



IndianOil

रिफाइनरीज प्रभाग
Refineries Division

Ref: PDR/HSE/HC/MOEFCC/2024-25/001

इंडियन ऑयल कॉर्पोरेशन लिमिटेड

पारादीप रिफाइनरी

डाकघर : झिमान, भाया : कुजंग, जिला : जगतसिंहपुर, ओडिशा-754141

Indian Oil Corporation Limited

Paradip Refinery

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Date: 30-12-2024

To,
Deputy Director General of Forests,
Ministry of Environment, Forest and Climate Change,
Integrated Regional Office,
A/3, Chandrasekharapur, Bhubaneswar – 751023
Email: roe2.bsr-mef@nic.in

Subject: Half Yearly Compliance Report of ECs issued to IOCL, Paradip Refinery

Dear Sir,

Please find enclosed the Half Yearly Compliance Report of the following ECs for period **Apr'24 - Sep'24**.

1. Compliance Status for Environment Clearance for Grass Root Refinery-cum Petrochemical Complex of 15 MMTPA at Paradip (Letter F.No.J-11011/70/2007-1A II (I) dated 06th Jul, 2007) is enclosed as Annexure-A.
2. Compliance Status for CRZ Clearance for laying of Storm Water Outfall Pipelines to sea for Paradip Refinery Project. (Letter F. No.11-86/2011-IA III dated 21st Feb'2012) is enclosed as Annexure-B.
3. Compliance Status for CRZ Clearance for laying of pipeline from Paradip Refinery to South Oil Jetty at Paradip Port, Odisha (Letter F. No. 11-33/2013-IA III, Government of India, Ministry of Environment & Forests (IA Division), Dated 19th Sep'2013) is enclosed as Annexure-C.
4. Compliance Status for CRZ Clearance for 'Pet Coke Evacuation Project' for Paradip Refinery in District Jagatsinghpur (Odisha) by Indian Oil Corporation Ltd – CRZ Clearance - reg. issued by Ministry of Environment and Forest (MoEF) (Letter no. F. No. 11-30/2015-IA.III dated 11th Feb'2016) enclosed as Annexure-D.
5. Compliance Status for EC and CRZ Clearance for "Installation Ethylene Recovery Unit, Mono Ethylene Glycol Unit and BS-VI facility by M/s Indian Oil Corporation Ltd (IOCL) at Paradip Refinery cum Petrochemical Complex, village Abhayachandrapur, Tehsil Kujang, District Jagatsinghpur (Odisha) – Environmental and CRZ Clearance - reg. issued by Ministry of Environment and Forest (MoEF) (Letter no. F. No. J-11011-344/2016-IA-II (I) dated 11th Oct' 2018) enclosed as Annexure-E.
6. Compliance Status for EC and CRZ Clearance for "Integrated Para-Xylene & Purified Terephthalic Acid (PTA) Project within existing Refinery complex by M/s. Indian Oil Corporation Limited, Paradip Refinery located at S.F. No-218, Abhayachandrapur Village, Jagatsinghpur District, Odisha State" reg. issued by Ministry of Environment and Forest (MoEF) (Letter no. F. No. J-11011/395/2012-IA-II (I) dated 9th Aug 2021) enclosed as Annexure-F.

Thanking you,

With regards

(S Vijay Kumar)

Deputy General Manager (H,S&E)
IOCL Paradip Refinery

Enclosures: As above

Copy to:

1. The Member Secretary, Odisha Pollution Control Board, Paribesh Bhawan,
A/118, Neelekanthanagar, Unit-8, Bhubaneswar - 751012, Orissa.

पंजीकृत कार्यालय, जी-9, अली यावर जंग मार्ग, बांद्रा (पूर्व), मुंबई - 400051, महाराष्ट्र (भारत)

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CIN-L23201 MH 1959 GOI 011388

ANNEXURES

Annexures	Description
Annexure-1	Compliance report of EC OM No.J-11011/26/1997-IA-II dated 24 th December, 1997.
Annexure- A to F	Compliance report of CRZ & ECs issued to Paradip Refinery from 2007 onward
Annexure-2	Stack Emission Report
Annexure-3	NHMC & Benzene monitoring Report
Annexure-4	VOC monitoring report
Annexure-5	Ambient Air quality report
Annexure-6	Sulphur Balance
Annexure-7	LDAR Report
Annexure-8	Treated effluent water quality report
Annexure-9	Ground water quality report
Annexure-10	Occupational Health report
Annexure-11	Marine water quality report
Annexure-12	Noise survey report
Annexure-13	Soil analysis report
Annexure-14	Forest clearance

Annexure-1

**Compliance report of EC OM No.
J-11011/26/1997-IA-II dt. 24th Dec'1997**

Sub: Compliance Status for Environment Clearance of Grass Root Petroleum Refinery for processing 9.0 MMTPA crude including LPG dispatch facility and associated marine facilities, namely SPM, jetty and crude product pipeline at Abhayachandrapur, District Jagatsinghpur, Orissa of M/s Indian oil Corporation Ltd (Letter F.No.J-11011/26/97-1A II (I) dated 24th Dec, 1997) for Apr'24 to Sep'24

Note: The project was deferred as withdrawal of tax incentives from Govt. of Orissa and viability of the project affected. Later, the capacity is revised to 15 MMTPA for improving economic viability after agreement with Govt. of Orissa on tax incentives. Accordingly, DFR prepared with revised project details and EC obtained in 2007 (F.No. J-11011/70/2007-IA. II (I)).

S. NO.	CONDITION	STATUS
A.	SPECIFIC CONDITIONS:	
i.	The total land earmarked for refinery involves around 70 acres of forest land. Diversion of forest land and any construction work in forest area shall not be taken up till forestry clearance is obtained under Forest (Conservation) Act, 1980.	Complied. Forest clearance attached as Annexure-14 .
ii.	The total SO ₂ emission from the refinery shall not exceed 1000 kg/hr (max.). The gaseous emission from various process units including IGCC unit should conform to the standards prescribed under Environment (Protection) Rules, 86 or norms stipulated by the SPCB whichever is more stringent. At no time, the emission level should go beyond the stipulated standards. In the event of failure of pollution control system (s) adopted by the unit, the respective unit should not be restarted until the control measures are rectified to achieve the desired efficiency.	Complied with. SO ₂ emission in kg/hr being calculated on monthly basis. Stack Report attached as Annexure-2 . Sulphur Balance attached as Annexure-6 .
iii.	Sulphur Recovery Units with more than 99% efficiency shall be provided.	Sulphur Recovery Units with overall efficiency of >99% has been commissioned.
iv.	A minimum of 7 ambient air quality monitoring stations (SO ₂ , NO _x and HC) should be set up in the refinery area in consultation with SPCB, based on occurrence of maximum ground level concentration and down wind direction of wind as well as in the direction of Betelvine plantations. The monitoring network must be decided based on modelling exercise to represent short term GLCs. In addition, a mobile van with adequate facilities to monitor ambient air quality outside the refinery premises should be provided.	7 nos. of Ambient Air Quality Monitoring (AAQM) stations were set up based on the modelling exercise conducted under the Comprehensive EIA Study Continuous monitoring in all the 7 monitoring stations already implemented. On-line data transmission to OSPCB/CPCB server is already done. A dedicated mobile ambient air quality monitoring van is in place for monitoring of ambient air quality. Ambient Air quality monitoring report attached as Annexure-5
v.	Data on ambient air quality and stack emissions as well as fugitive emissions of HC from product storage tank yard, crude oil tanks etc. must be regularly monitored and submitted to CPCB/SPCB regularly once in 3 months and to Ministry (Regional Office, Bhubaneswar) once in 6 months.	Being Complied. Ambient Air quality attached as Annexure-5 Stack Report attached as Annexure-2 Fugitive emission in tankage area is enclosed as Annexure-4 .



S. NO.	CONDITION	STATUS
vi.	Liquid effluents generated from the refinery should be treated comprehensively to conform to the load-based standards and concentration limits prescribed under EPA rules.	State-of-the-art effluent treatment plant has been commissioned to treat industrial effluent as well as domestic sewage with maximum recycle facility. Balance treated effluent confirming to prescribed limits is being discharged to the sea through a pipeline of about 3 km from low tide line. Treated effluent quality report attached as Annexure-8.
vii.	In consultation with SPCB, adequate number of influent and effluent quality monitoring stations have to be planned. As recommended by NIO and approved by SPCB, the treated effluent shall be discharged at a distance of 3 km from the low tide line into the sea. The process effluent generated and discharged shall not exceed 8400 m ³ /day by incorporating maximum recycling and water conservation measures as per EMP. Regular monitoring of the effluent (Industrial/domestic and others) quality should be carried out and monitored data submitted quarterly to CPCB/SPCB and half yearly to Ministry (Regional Office, Bhubaneswar).	ETP Treated effluent after recycling is being discharged to the sea through a pipeline of about 3 km from low tide line. Treated effluent quality and flow are regularly monitored. On-line data transmission to OSPCB/CPCB server is already being done. Treated effluent quality report attached as Annexure-8. Treated Effluent Flow data attached as Annexure-8.
viii.	Guard ponds of sufficient holding capacity should be provided to contain the effluent during process disturbances and or ETP failure. The concerned units must be shut down in cases of effluent quality exceeding prescribed limits.	Complied. ETP Treated water is stored in separate ponds and in case of any upset, the same can be reprocessed again in ETP till the quality complies with prescribed limits.
ix.	Detailed Risk Analysis of the Refinery and associated facilities must be done once the engg. design and layout is frozen. Based on this, on-site and off-site emergency preparedness plan must be prepared. Approval from the nodal agency must be obtained before commissioning the project.	Complied. Paradip Refinery fully implemented all the conditions stipulated in EIA and Risk Assessment reports. Complied. On-site and off-site preparedness plans of Paradip Refinery is in place. Emergency Response and Disaster management Plan (ERDMP) has been approved by MoP&G On-site emergency plan is approved by Director of Factories and Boiler. Off-site plan is incorporated in District Emergency Plan.
x.	The project involves displacement of around 584 people. The R&R of project affected population shall be carried out as per the State Govt. guidelines prepared in consultation with the affected people. It is the responsibility of the State Govt. and Project Authority to see that adequate compensation and relief are provided to the affected population in a time bound fashion as per	Complied.

S. NO.	CONDITION	STATUS
	agreed norms. IOC also must consider adopting certain villages in the area and contribute to peripheral developments. A progress report on the R&R must be submitted to Ministry (Regional office), Bhubaneswar every 6 months.	
xi.	The dredging of Jatadhar Mohan River mouth for meeting the requirement of fill material (for raising the level of project site) as recommended by NIO and State Govt. must be conducted with no disturbance to the sand bars and it must be ensured that the dredging is done within the LTLs from either side of river bank. For this IOC must firm up the scheme of dredging in consultation with NIO. Also, NIO must monitor the river/creek ecology including quality of water on a continuous/regular basis.	Complied.
xii.	IOC and State Govt. must strictly ensure that the guidelines and regulations contained in the approved CZMP of Orissa are adhered to w.r.t. Santra Creek, Jatadhar Mohan River, sea front and other surface water streams, if any, while taking up project related activities including Refinery, LPG storage, marine facilities laying of crude/product pipelines etc. All the conditions stipulated by the Odisha Coastal Zone Management Authority (OCZMA) shall be complied with.	Complied.
xiii.	A drainage pattern study of the region has to be carried out in view of large scale land-filling involved. As informed by IOC, the study has already been initiated by Water Resources Department, Government of Orissa. The study report must be submitted to the Ministry for its review. IOC must implement the action plans and recommendations in order to mitigate adverse impacts on the drainage aspects of the region.	Complied.
xiv.	The laying of submarine pipelines to the SPM should avoid the season when Ridley turtles frequent the coast.	Complied. Point was taken care. No construction work was done during the breeding season of olive Ridely turtles.
xv.	An oil spill contingency plan must be drawn up by IOC in consultation with Coast Guard to combat any oil spills around SPM, before commencement of operations. A copy of the plan must be submitted to the Ministry.	Complied. Oil spill contingency plan for SPM facility is in place.
xvi.	The marine facilities including SPM, jetty etc. must be provided with full-fledged firefighting set up etc. as prescribed by the competent authority dealing with such port establishments.	Complied.

S. NO.	CONDITION	STATUS
B.	GENERAL CONDITIONS:	
i.	The Ministry reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the Ministry.	Noted
ii.	The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act 1974, the Air (Prevention and Control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991, the Coastal zone regulation Notification of February 1991 and amendments thereof.	Noted
C.	ANNEXURE-I Conditions	
1.	The project authorities must strictly adhere to the stipulations made by the State Government and the State Pollution Control Board.	Noted for compliance.
2.	No expansion or modification of the project can be undertaken without prior approval of the Ministry.	Noted for compliance.
3.	In case of deviations or alterations in the project proposed from those submitted to this Ministry for clearance, a fresh reference should be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any	Noted for Compliance.
4.	The project authorities must strictly comply with the rules and regulations under Manufacture, Storage and Import of Hazardous Chemicals Rules 1989 as amended on 3 rd October 1994. Prior approvals from Chief Inspectorate of Factories, Chief Controller of Explosives, Fire Safety Inspectorate etc. must be obtained.	Complied. All required licenses obtained from Competent Authorities.
5.	The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Wastes (Management and Handling) Rules, 1989. Authorization from the State Pollution Control Board must be obtained for collections/ treatment/ storage/ disposal of hazardous wastes.	Complied. HW authorization obtained from OSPCB vide Ref no. IND-IV-HW-930/4014 dated 21-03-2024 with a validity till 31-03-2025
6.	Occupational Health Surveillance programme should be undertaken as regular exercise for all employees, specifically for those engaged in handling hazardous substances.	Complied with. OHC Report attached as Annexure-10 .
7.	The green belt of adequate width and density should be developed using native plant species, within and around plant premises in consultation with State Forest	Complied with Greenbelt has been developed in an area of 580 acres with the help of Orissa Forest Development Corporation Ltd. (OFDCL).

S. NO.	CONDITION	STATUS
	Department. A norm of 2000-2500 plants per ha. may be followed. As indicated in the EMPs supplementary data, a minimum of 580 acres shall be brought under green belt.	5,95,000 trees have been planted around the refinery area and approx. 41104 trees have been planted in the township. Every year also, Paradip Refinery is doing plantation in and around Refinery. Till date approximately >9 Lacs trees have been planted.
8.	A separate environmental management cell equipped with full-fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.	Complied. Dedicated Environment Management Cell headed by Chief General Manager-HSE exists in the Refinery to take care of all the environmental issues along with a dedicated Environmental monitoring laboratory to take care of all the environmental monitoring functions.
9.	Adequate financial provision should be made for time bound implementation of environment management plan and other measures. The funds earmarked for the environmental management and safeguard measures should not be diverted for other purposes and details giving year wise and itemise expenditure must be reported to the Ministry.	Being complied.
10.	The implementation of the project vis-à-vis environmental action plans will be monitored by Ministry's Regional Office at Bhubaneswar / State Pollution Control Board / Central pollution Control Board. A six-monthly compliance status report should be submitted to monitoring agencies.	Being complied.



1. **Annexure-A:** Compliance Status for Environment Clearance for Grass Root Refinery-cum Petrochemical Complex of 15 MMTPA at Paradip (Letter F.No.J-11011/70/2007-1A II (I) dated 06thJul, 2007).
2. **Annexure-B:** Compliance Status for CRZ Clearance for laying of Storm Water Outfall Pipelines to sea for Paradip Refinery Project. (Letter F. No.11-86/2011-IA III dated 21st Feb'2012).
3. **Annexure-C:** Compliance Status for CRZ Clearance for laying of pipeline from Paradip Refinery to South Oil Jetty at Paradip Port, Odisha (Letter F. No. 11-33/2013-IA III, Government of India, Ministry of Environment & Forests (IA Division), Dated 19th Sep'2013) is enclosed as.
4. **Annexure-D:** Compliance Status for CRZ Clearance for 'Pet Coke Evacuation Project' for Paradip Refinery in District Jagatsinghpur (Odisha) by Indian Oil Corporation Ltd – CRZ Clearance - reg. issued by Ministry of Environment and Forest (MoEF) (Letter no. F. No. 11-30/2015-IA.III dated 11th Feb'2016).
5. **Annexure-E:** Compliance Status for EC and CRZ Clearance for “Installation Ethylene Recovery Unit, Mono Ethylene Glycol Unit and BS-VI facility by M/s Indian Oil Corporation Ltd (IOCL) at Paradip Refinery cum Petrochemical Complex, village Abhayachandrapur, Tehsil Kujang, District Jagatsinghpur (Odisha) – Environmental and CRZ Clearance - reg. issued by Ministry of Environment and Forest (MoEF) (Letter no. F. No. J-11011-344/2016-IA-II (I) dated 11th Oct' 2018).
6. **Annexure-F:** Compliance Status for EC and CRZ Clearance for “Integrated Para-Xylene & Purified Terephthalic Acid (PTA) Project within existing Refinery complex by M/s. Indian Oil Corporation Limited, Paradip Refinery located at S.F. No-218, Abhayachandrapur Village, Jagatsinghpur District, Odisha State” reg. issued by Ministry of Environment and Forest (MoEF) (Letter no. F. No. J-11011/395/2012-IA-II (I) dated 9th Aug 2021).

IOCL, Paradip Refinery cum Petrochemicals Complex

Subject: EC CRZ - Compliance Status Report

Annexure-A

Name of Project	:	Grass Root Refinery-cum-Petrochemical Complex of 15 MMTPA at Paradip, Odisha
Clearance Letter(s) No. & Date	:	F.No.J-11011/70/2007-1A II (I) dated 06th July, 2007
Period of Compliance Report	:	Apr'24 to Sep'24

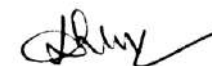
S. No.	CONDITION	STATUS	REMARKS
A.	SPECIFIC CONDITIONS:		
i.	The company shall ensure strict implementation/ compliance to the stipulations made by MOEF vide OM No. J-11011/26/1997-IA-II dated 24 th December 1997.	Complied	All stipulations are complied. Compliance report attached as Annexure-1
ii.	The gaseous emissions (SO ₂ , NO _x , CO, NMHC & Benzene) from the various process units shall conform to the standards prescribed under the Environment (Protection) Rules, 1986 or norms stipulated by the SPCB whichever is more stringent. At no time, the emission level shall go beyond the stipulated standards. In the event of failure of pollution control system(s) adopted by the unit, the respective unit should not be restarted until the control measures are rectified to achieve the desired efficiency.	Complied	Stack emission being monitored for adherence to the MoEF notification dated 18 th March'2008. Stack Report attached as Annexure-2 NHMC and Benzene monitoring Report attached as Annexure-3



IOCL, Paradip Refinery cum Petrochemicals Complex

Subject: EC CRZ - Compliance Status Report

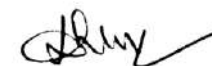
S. No.	CONDITION	STATUS	REMARKS
iii.	Ambient air monitoring stations, [SPM, SO ₂ , NO _x and NMHC, Benzene] shall be set up in the refinery complex in consultation with SPCB, based on occurrence of maximum ground level concentration and down-wind direction of wind. The monitoring network must be decided based on modelling exercise to represent short term GLCs. Continuous on-line stack monitoring equipment shall be installed for measurement of SO ₂ and NO _x . Data on VOC shall be monitored and submitted to the SPCB/ Ministry.	Complied	7 nos. of Ambient Air Quality Monitoring (AAQM) stations were set up based on the modelling exercise conducted under the Comprehensive EIA Study Continuous monitoring in all the 7 monitoring stations already implemented. On-line data transmission to OSPCB/CPCB server is already done. Continuous monitoring in all stacks already implemented. On-line data transmission to OSPCB/CPCB server is already done. VOC monitoring being done at various locations of the Refinery. VOC Reports attached as Annexure-4. Ambient Air quality attached as Annexure-5. Stack report attached as Annexure-2.
iv.	The total SO ₂ emission from the refinery complex shall not exceed 1000 kg/hr after fully stabilizing of the expansion and modernization of the refinery complex and upgrading the existing facilities. SO ₂ emission report may be made on daily basis for all the stacks (fuel burning and process emissions through the computerized mechanism). Further, regular monitoring of stacks every fortnight must also be carried out to cross check the data obtained from computerized monitoring by engaging a reputed organization. In addition, a monthly sulphur balance statement indicating type of fluid, its S – content, product S - content, SO ₂ emission etc. may be made. Daily, fortnightly and monthly reports generated as above shall be sent to the SPCB and MOEF.	Complied	SO₂ emission in kg/hr being calculated monthly basis. Stack Report attached as Annexure-2. Sulphur Balance attached as Annexure-6.



IOCL, Paradip Refinery cum Petrochemicals Complex

Subject: EC CRZ - Compliance Status Report

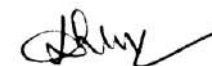
S. No.	CONDITION	STATUS	REMARKS
v.	All the Sulphur Recovery Units shall have overall efficiency of 99.9%.	Complied	Sulphur Recovery Units with overall efficiency of 99.9% has been commissioned.
vi.	Ultra Low – NO _x burners shall be provided in the new furnaces to avoid excessive formation of NO _x .	Complied	Ultra Low NO _x burners installed in major fired heaters.
vii.	Company shall install online SO ₂ and NO _x analysers in all the stacks of the refinery.	Complied	On-line SO ₂ and NO _x analysers installed in all the stacks of the refinery. Data being reflected in OSPCB/CPCB RTDAS.
viii.	Fugitive emissions of HC from product storage tank farms etc. must be regularly monitored. Sensors for detecting HC leakage shall be provided at strategic locations. Necessary measures shall be adopted so as to ensure that the NMHC levels outside the refinery complex premises do not exceed prescribed limits. Monitored data shall be submitted to OPCB / CPCB every three months and to Ministry of Environment & Forests every six months.	Complied	HC detectors installed in strategic locations of the tankage area. Fugitive emission in tankage area is attached as Annexure-7 .
ix.	For control of fugitive emissions, the company shall augment route all unsaturated hydrocarbons to the flare system in addition to the existing flare system. All the pumps and other equipment where there is a likelihood of HC leakages shall be provided with LEL indicators and also provide for immediate isolation of such equipment, in case of a leakage. The company shall adopt Leak Detection and Repair (LDAR) programme for quantification and control of fugitive emissions.	Complied	To safeguard process units during emergency, flare system is installed for complete combustion of hydrocarbon before releasing to atmosphere. HC detectors are installed in strategic locations throughout the Refinery complex. LDAR programme is carried out and reports attached as Annexure-7 .
x.	All the stacks shall be of appropriate design and height shall be attached to pollution control systems, wherever necessary. All stacks in the complex must meet the minimum stack height criteria as prescribed in the Environment Protection emissions.	Complied	The minimum stack height designed as per the following: $H = 14 Q_g^{0.3}$ H = Height of stack in meters Q _g = Quantity of SO ₂ emission in kg/hr All the major stacks are of height more than 60 m and tallest height is that of flare, around 131 m.



IOCL, Paradip Refinery cum Petrochemicals Complex

Subject: EC CRZ - Compliance Status Report

S. No.	CONDITION	STATUS	REMARKS
xi.	All new standards/ norms which are being proposed by CPCB for refinery projects/ petrochemical units shall be applicable for the proposed expansion and modernization of the petrochemical refinery complex. These standards shall be incorporated into the detail designs for the proposed expansion and modernization. The existing refinery complex shall also be upgraded to the new above mentioned emission standards.	Complied	The Refinery in its design has incorporated the updated environment standard issued on 18 th March'2008 for emission & discharge and 18 th November'2009 for Ambient Air Quality.
xii.	Ground water shall not be tapped for construction, industrial or domestic uses including the township.	Complied	No ground water tapping done during construction work
xiii.	Liquid effluents shall be treated to conform to the standards stipulated by CPCB / Ministry of Environment & Forests under EPA 1986 and also the new norms being specified. Treated effluent will be recycled and reused. The treated effluent shall be discharged into the sea through a pipeline of about 3 km from low tide line. The domestic effluent after treatment and conforming to the prescribed standards shall be used for greenbelt development.	Complied	State-of-the-art effluent treatment plant has been commissioned to treat industrial effluent as well as domestic sewage with maximum recycle facility. Balanced treated effluent after recycle being discharged to the sea through a pipeline of about 3 km from low tide line. Treated effluent water quality report attached as Annexure-8 .
xiv.	The company shall undertake monitoring of the groundwater quality at the locations as suggested by the Central Ground Water Board. Monitoring results of the same shall be submitted to the OPCB/CPCB and MOEF.	Complied	Ground water monitoring being carried out in the Refinery. Ground water quality monitoring report attached as Annexure-9 .
xv.	M/s IOCL shall undertake rainwater harvesting measures to recharge the ground water in the area in consultation with Central Ground Water Board and Orissa Pollution Control Board.	Complied	Two storm water reservoirs (Capacities: 2,96,000 KL and 3,13,000 KL) have been developed to store rainwater in monsoon in the Refinery premises. Also, storm water collection pond of capacity @ 470000 KL has been developed in Ecological Park.
xvi.	Green belt shall be raised in 580 acre area as per CPCB guidelines.	Complied	Greenbelt has been developed in an area of 580 acres.
xvii.	Occupational Health Surveillance of the employees and workers shall be done on a regular basis and records maintained as per the Factories Act.	Complied	Occupational Health Report attached as Annexure-10 .



IOCL, Paradip Refinery cum Petrochemicals Complex

Subject: EC CRZ - Compliance Status Report

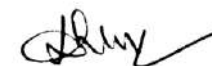
S. No.	CONDITION	STATUS	REMARKS
xviii.	The marine water quality shall be regularly monitored for the water quality (temperature, petroleum hydrocarbons, phenols, sulphides, total organic carbon), sediment quality (trace elements, petroleum hydrocarbons, TOC and sediment size) and biological parameters (primary productivity, benthos, fish quality and growth, biomass, phytoplankton and zooplankton).	Complied	Marine water quality monitoring job is being carried out by third party lab recognized by MoEFCC. Marine water quality monitoring Report attached as Annexure-11 .
xix.	The design, material of construction, assembly, inspection, testing and safety aspects of operation and maintenance of pipeline and transporting the oil shall be governed by ASME/ANSI B31.8/B31.4 and OISD standard 141.	Complied	The Refinery complies to the relevant standards
xx.	The project authorities should install SCADA system with dedicated optical fibre based telecommunication link for safe operation of pipeline and Leak Detection System. Intelligent pigging facility should be provided for the entire pipeline system for internal corrosion monitoring. Coating and impressed current cathodic protection system should be provided to prevent external corrosion.	Complied	Online detection of leak in the pipeline is through Optical fibre cable and is installed in South Oil jetty pipelines. Intelligent pigging is done for the facility pipeline system for internal corrosion monitoring. Cathodic protection system is provided for all underground pipelines to prevent external corrosion.
xxi.	The project authorities shall patrol and inspect the pipeline regularly for detection of faults as per OISD guidelines and continuous monitoring of pipeline operation by adopting non-destructive method(s) of testing as envisaged in the EMP. Pearson survey and continuous potential survey should be carried out at regular intervals to ensure the adequacy of cathodic protection system.	Complied	Regular patrolling is being done for the SOJ and Marketing pipelines. CAT & DCVG survey has been carried out within 05 years of commissioning of the lines (i.e., by 2021) as per OISD-138 guidelines.
xxii.	The solid waste shall be disposed of in secured landfill facility within the refinery. The spent catalyst and incinerated sludge will be stored in segregated manner in the secured landfill area. Tank bottom sludge from refinery operation shall be put to oil recovery system and the residual sludge will be incinerated. The incinerated sludge ash shall be stored in secured landfill inside refinery.	Complied	Melting pit has been constructed to recover oil from tank bottom sludge and Incinerator has been installed to burn the residual sludge. SLF has been constructed to dispose the incinerated ash.



IOCL, Paradip Refinery cum Petrochemicals Complex

Subject: EC CRZ - Compliance Status Report

S. No.	CONDITION	STATUS	REMARKS
	Bio sludge shall be stored in drying pit for natural weathering and then used as manure inside refinery premises.		In ETP, sludge drying bed is constructed for drying of bio sludge and is used as Manure in refinery plants
xxiii.	The company shall also comply with all the conditions and safeguards prescribed in the EIA & Risk Assessment Reports.	Complied	Paradip Refinery fully implemented all the conditions stipulated in EIA and Risk Assessment reports.
xxiv.	The On-site and Off-site Emergency Preparedness Plans, Oil Spill Contingency Plans, Marine Disaster Management Plan shall be prepared for the enhanced refinery throughput and submitted to the Ministry before commissioning at the enhanced capacity.	Complied	On-site and off-site preparedness plan, Oil Spill response plan of Paradip Refinery is in place. Emergency Response and Disaster management Plan (ERDMP) approved by PNGRB empaneled Third Party Auditor is in place. On-site emergency plan is approved by Director of Factories and Boiler. Off-site plan is incorporated in District Emergency Plan.
xxv.	The Environment Management Cell and laboratory facilities for the collection of the samples shall be augmented with suitable facilities and qualified personnel and directly report to the chief executive of the refinery complex.	Complied	Dedicated Environment Management Cell headed by a HOD exists in the Refinery to take care of all the environmental issues.
xxvi.	The company shall prepare comprehensive EIA/EMP report and submit to the Ministry within one year.	Complied	Comprehensive EIA Report was prepared and submitted to SPCB on 12.09.2008 and MOEF on 22.09.2008.
B.	GENERAL CONDITIONS:		
i.	The project authorities must strictly adhere to the stipulations made by the Orissa State Pollution Control Board and the State Government.	Complied	Noted for compliance.
ii.	No further expansion or modernization in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	Complied	Noted for compliance.



IOCL, Paradip Refinery cum Petrochemicals Complex

Subject: EC CRZ - Compliance Status Report

S. No.	CONDITION	STATUS	REMARKS
iii.	At no time, the emissions shall go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the units, the respective unit should be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.	Complied	Noted for compliance.
iv.	The overall noise levels in and around the plant area should be kept well within the standards (75 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (night time).	Complied	Noise survey is regularly carried out by Industrial Hygienist and the Noise levels are maintained as per standards.
v.	The project authorities must strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules 1989 as amended in 2000 for handling of hazardous chemicals etc. Necessary approvals from Chief Controller of Explosives must be obtained before commission of the project.	Complied	All the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules 1989 as amended in 2000 for handling of hazardous chemicals etc are fully complied. All required licenses obtained from CCE.
vi.	The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Wastes (Management and Handling) Rules, 2003. Authorization from the State Pollution Control Board must be obtained for collections/treatment/storage/disposal of hazardous wastes.	Complied	HW authorization obtained from OSPCB vide Ref no. IND-IV-HW-930/4014 dated 21-03-2024 with a validity till 31-03-2025
vii.	The project authorities will provide requisite funds both recurring and non-recurring to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided should not be diverted for any other purposes.	Being Complied	Paradip Refinery has installed all the pollution control units at an approximate cost of 10% of the capital expenditure of Refinery. In 2023-24, total expenditure on account of environment related job was approximately of Rs. 24.7 Cr. Yearly budget provision is made for env. related activities.
viii.	The stipulated conditions will be monitored by the Regional of this Ministry at Bhubaneshwar / Central Pollution Control Board / State Pollution Control Board. A six monthly compliance report and the monitored data should be submitted to them regularly.	Being Complied	Six monthly compliance report is being sent to MoEF. Last report was submitted vide letter no. PDR/HSE/HC/MOEFCC/2023-24/002 dated 24.09.2024 for Oct'23 to March'24.



IOCL, Paradip Refinery cum Petrochemicals Complex

Subject: EC CRZ - Compliance Status Report

S. No.	CONDITION	STATUS	REMARKS
ix.	The Project Proponent should inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the State Pollution Control Board/ Committee and may also be seen at Website of the Ministry of Environment and Forests at http://www.envfor.nic.in . This should be advertised within seven days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional Office.	Complied	The information has been published in the two daily local newspapers i.e. 'The Samaj' in Oriya and 'The Indian Express' in English dated 18.07.2007.
x.	The Project Authorities should inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	Complied	The Board of Directors of IOCL accorded investment approval on 28.02.2009 for the project. EC-No. J-11011/70/2007-1A-II (I) dt. 06.07.2007. Consent to Establish (CTE) was granted by SPCB, Odisha on 14.07.2008. The land development work for the project commenced from 16.03.2009.



IOCL, Paradip Refinery cum Petrochemicals Complex

Subject: EC CRZ - Compliance Status Report

Annexure-B

Name of Project	:	CRZ Clearance for laying of Storm Water Outfall Pipelines to sea for Paradip Refinery Project
Clearance Letter(s) No. & Date	:	F. No.11-86/2011-IA III dated 21st February 2012
Period of Compliance Report	:	Apr'24 to Sep'24

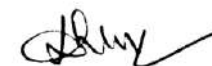
S.N.	SPECIFIC CONDITIONS:	STATUS	REMARKS
4(i)	"Consent for Establishment" shall be obtained from State Pollution Control Board under Air and Water Act and a copy shall be submitted' to the Ministry before start of any construction work at the site.	Complied	"Consent for Establishment" obtained vide letter no. 12048 Ind-II-NOC- 4600 dated 25-06-2012
(ii)	The proposed storm water line shall be laid along the Crude Oil pipeline corridor which was accorded CRZ clearance for transportation of crude oil after the recommendation of the SCZMA. However, the proponent shall submit the CRZ map showing the proposed pipeline route to SCZMA with a copy to the Ministry before commencement of the work.	Being Complied	Complied with CRZ map has already been submitted (Ref. No. IOCL/PDRP/LSTK-11/1/014)
(iii)	The unit shall provide separate drains and collection system at the process area so as to prevent any possible mixing of process spillage in to storm water as proposed.	Being Complied	Separate drains for storm water and process drains have been provided in the process area of the Refinery.
(iv)	The project proponent shall set up separate environmental management cell for effective implementation of the stipulated environmental safeguards under the supervision of a Senior Executive.	Being Complied	Dedicated Environment Management Cell headed by a HOD exists in the Refinery to take care of all the environmental issues.
(v)	The funds earmarked for environment management plan shall be included in the budget and this shall not be diverted for any other purposes.	Being Complied	Paradip Refinery has installed all the pollution control units at an approximate cost of 10% of the capital expenditure of Refinery. In 2023-24, total expenditure on account of environment related job was approximately of Rs. 24.70 Cr. Year wise budget provision is made for environment related activities.



IOCL, Paradip Refinery cum Petrochemicals Complex

Subject: EC CRZ - Compliance Status Report

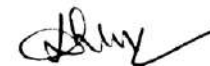
S.N.	SPECIFIC CONDITIONS:	STATUS	REMARKS
	GENERAL CONDITIONS:		
5(i)	Appropriate measures must be taken while undertaking digging activities to avoid any likely degradation of water quality.	Complied	Taken care during construction activities. Now lines are already commissioned.
(ii)'	Full support shall be extended to the officers of this Ministry/ Regional Office at Bhubaneswar by the project proponent during inspection of the project for monitoring purposes by furnishing full details and action plan including action taken reports in respect of mitigation measures and other environmental' protection activities.	Complied	Being Complied
(iii)	A six-Monthly monitoring report shall need to be submitted by the project proponents to the Regional Office of this Ministry at Bhubaneswar regarding the implementation of the stipulated conditions.	Complied	Six monthly compliance report is being sent to MoEF. Last report was submitted vide letter no. PDR/HSE/HC/MOEFCC/2023-24/002 dated 24.09.2024 for Oct'23 to March'24.
(iv)	Ministry of Environment & Forests or any other competent authority may stipulate any additional conditions or modify the existing ones, if necessary, in the interest of environment and the same shall be complied with.	Complied	Noted
(v)	The Ministry reserves the right to revoke this clearance if any of the conditions stipulated are not complied with the satisfaction of the Ministry.	Complied	Noted
(vi)	In the event of a change in project profile or change in the implementation agency, a fresh reference shall be made to the Ministry of Environment and Forests.	Complied	Noted
(vii)	The project proponents shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date' of start of land development work.	Complied	This is the part of the entire Refinery Project. The Board of Directors of IOCL accorded investment approval for the entire project at Paradip on 28.02.2009 for the project.
(viii)	State Pollution Control Board shall display a copy of the clearance letter at the Regional Office, District Industries Center and Collector's Office/Tehsildar's office for 30 days.	Complied	For compliance by OSPCB office.



IOCL, Paradip Refinery cum Petrochemicals Complex

Subject: EC CRZ - Compliance Status Report

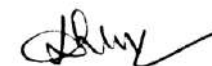
S.N.	SPECIFIC CONDITIONS:	STATUS	REMARKS
6	These stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act 1974, the Air (Prevention and Control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification 1994, including the amendments and rules made thereafter	Complied	Noted
7	All other statutory clearances such as the approvals for storage of diesel from Chief Controller. of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.	Complied	Paradip Refinery has already obtained all necessary statutory approvals
8	The project proponent shall advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the- project has been accorded Environmental Clearance and copies of clearance letters are available with the State Pollution Control Board and may also be seen on the website of the Ministry of Environment and Forests at http://www.envfor.nic.in . The advertisement should be made within 10 days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the Regional office of this Ministry at Bhubaneswar.	Complied	Advertisement placed in two newspapers (One is "The Samaja" and other is "The Times of India"), dated 1 st March'12).
9	Environmental clearance is subject to final order of the Hon'ble-Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) No.460 of 2004 as may be applicable to this project.	Complied	Noted
10	Status of compliance to the various stipulated environmental conditions and environmental safeguards will be uploaded by the project proponent in its website	Complied	Complied
11.	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were	Complied	Complied



IOCL, Paradip Refinery cum Petrochemicals Complex

Subject: EC CRZ - Compliance Status Report

S.N.	SPECIFIC CONDITIONS:	STATUS	REMARKS
	received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.		
12	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.	Complied	Six monthly compliance report is being sent to MoEF. Last report was submitted vide letter no. PDR/HSE/HC/MOEFCC/2023-24/002 dated 24.09.2024 for Oct'23 to March'24.
13	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.	Complied	Paradip Refinery regularly submitting the Environment Statement in September. Environment Statement for FY 2023-24 submitted on 15.09.2024 vide ref no. PDR/HSE/Env-Statement/2023-24.



IOCL, Paradip Refinery cum Petrochemicals Complex

Subject: EC CRZ - Compliance Status Report

Annexure-C

Name of Project	:	CRZ Clearance for laying of pipeline from Paradip Refinery to South Oil Jetty at Paradip Port, Odisha
Clearance Letter(s) No. & Date	:	F. No. 11-33/2013-IA III dated 19th September, 2013
Period of Compliance Report	:	Apr'24 to Sep'24

S.N.	SPECIFIC CONDITIONS :	STATUS	REMARKS
5(i)	"Consent for Establishment" shall be obtained from State Pollution Control Board under Air and Water Act and a copy shall be submitted to the Ministry before start of any construction work at the site.	Complied	"Consent for Establishment" obtained vide letter no 12048 Ind-II-NOC- 4600 dated 25-06-2012. Copy has been submitted to the ministry vide letter no. PDRP/HSE/CRZ/MoEF/2013-1 dated 03.10.2013.
(ii)	All the conditions of Forest Clearance dated 06/02/2013 shall be complied with.	Complied	Compliance status already submitted and based on the status, Forest and Environment Dept. Govt. of Odisha has been issued a letter (Letter No. 10F(Cons)510/2012 23891/F&E. Dtd 20/11/13) to accord the final clearance.
(iii)	The laying of pipeline at creek shall be carried out in such a way that it shall not obstruct tidal flow of the creek.	Complied	Due care was taken during laying of the pipeline.
(iv)	All the conditions stipulated by the Odisha Coastal Zone Management Authority (OCZMA) shall be complied with.	Complied	Complied.
(v)	Laying pipe line shall not be carried out during the breeding of olive Ridely turtle as committed vide undertaking dated 25.06.2013.	Complied	No construction work was done during the breeding season of olive Ridely turtle.
(vi)	Soil and water samples shall be regularly monitored along the pipeline route to check the leakage/contamination, if any and shall examine if any strengthening is required.	Complied	Soil quality monitoring job is being carried out by third party lab recognized by MoEFCC. Soil quality monitoring Report attached as Annexure-13 .
(vii)	Proper oil spillage contingency plan shall be put in place.	Complied	Approved Oil Spill Contingency is in place for tackling any eventuality.



IOCL, Paradip Refinery cum Petrochemicals Complex

Subject: EC CRZ - Compliance Status Report

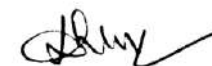
S.N.	SPECIFIC CONDITIONS :	STATUS	REMARKS
(viii)	It shall be ensured that there is no disturbance to people, houses or fishing activity as a result of the project.	Complied	Complied.
(ix)	The smooth and safe operation of the system shall be ensured by incorporating a computerized SCADA (Supervisory Control And Data Automation) system. Any leakage in the pipeline shall be immediately detected by the Computer system and product pumping shall be immediately cut off.	Complied	Leak detection by optical fibre cable installed for south oil jetty pipelines.
(x)	All the recommendation of the EMP shall be complied with letter and spirit. All the mitigation measures submitted in the EIA report shall be prepared in a matrix format and the compliance for each mitigation plan shall be submitted to MoEF along with half yearly compliance report to MoEF-RO.	Complied	Complied
(xi)	The project proponent shall set up separate environmental management cell for effective implementation of the stipulated environmental safeguards under the supervision of a Senior Executive.	Complied	Dedicated Environment Management Cell headed by a HOD exists in the Refinery to take care of all the environmental issues.
(xii)	The funds earmarked for environment management plan shall be included in the budget and this shall not be diverted for any other purposes.	Being Complied	Paradip Refinery has installed all the pollution control units at an approximate cost of 10% of the capital expenditure of Refinery. In 2023-24, total expenditure on account of environment related job was approximately of Rs. 24.70 Cr. Year wise budget provision is made for environment related activities.
	GENERAL CONDITIONS :		
6(i)	Appropriate measures must be taken while undertaking digging activities to avoid any likely degradation of water quality.	Complied	Due care was taken during construction. Now the lines are already commissioned.
(ii)	Full support shall be extended to the officers of this Ministry/Regional Office at Bhubaneswar by the project proponent during inspection of the project for monitoring purposes by furnishing full details and action plan including action taken reports in respect of mitigation measures and other environmental protection activities.	Agreed to Compliance	Noted for compliance



IOCL, Paradip Refinery cum Petrochemicals Complex

Subject: EC CRZ - Compliance Status Report

S.N.	SPECIFIC CONDITIONS :	STATUS	REMARKS
(iii)	A six-monthly monitoring report shall need to be submitted by the project proponents to the Regional Office of this Ministry at Bhubaneswar regarding the implementation of the stipulated conditions.	Being Complied	Six monthly compliance report is being sent to MoEF. Last report was submitted vide letter no. PDR/HSE/HC/MOEFCC/2023-24/002 dated 24.09.2024 for Oct'23 to March'24.
(iv)	Ministry of Environment & Forests or any other competent authority may stipulate any additional conditions or modify the existing ones, if necessary in the interest of environment and the same shall be complied with.	Agreed to Compliance	Noted
(v)	The Ministry reserves the right to revoke this clearance if any of the conditions stipulated are not complied with the satisfaction of the Ministry.	Agreed to Compliance	Noted
(vi)	In the event of a change in project profile or change in the implementation agency, a fresh reference shall be made to the Ministry of Environment and Forests.	Agreed to Compliance	Noted
(vii)	The project proponents shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of land development work.	Complied	This is the part of the entire Refinery Project. The Board of Directors of IOCL accorded investment approval for the entire project at Paradip on 28.02.2009 for the project.
(viii)	State Pollution Control Board shall display a copy of the clearance letter at the Regional Office, District Industries Centre and Collector's Office/Tehsildar's office for 30 days.	Agreed to Compliance	Compliance by OSPCB
9	The project proponent shall advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded CRZ Clearance and copies of clearance letters are available with the State Pollution Control Board and may also be seen on the website of the Ministry of Environment and Forests at http://www.envfor.nic.in . The advertisement should be made within 10 days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the Regional office of this Ministry at Bhubaneswar.	Complied	Advertisement placed in two newspapers (One is "The Samaj" and other is "The New Indian Express", dated 29 th Sept'13)



IOCL, Paradip Refinery cum Petrochemicals Complex

Subject: EC CRZ - Compliance Status Report

S.N.	SPECIFIC CONDITIONS :	STATUS	REMARKS
11	Status of compliance to the various stipulated environmental conditions and environmental safeguards will be uploaded by the project proponent in its website.	Complied	Complied
12	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parisad /Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.	Complied	Complied
14	The proponent shall upload the status of compliance of the stipulated Clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.	Being Complied	Six monthly compliance report is being sent to MoEF. Last report was submitted vide letter no. PDR/HSE/HC/MOEFCC/2023-24/002 dated 24.09.2024 for Oct'23 to March'24.
15	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of Clearance conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.	Complied	Complied



IOCL, Paradip Refinery cum Petrochemicals Complex

Subject: EC CRZ - Compliance Status Report

Annexure-D

Name of Project	:	CRZ Clearance for 'Pet Coke Evacuation Project' for Paradip Refinery in District Jagatsinghpur (Odisha)
Clearance Letter(s) No. & Date	:	F. No. 11-30/2015-IA.III dated 11th February, 2016
Period of Compliance Report	:	Apr'24 to Sep'24

S.N.	CONDITIONS:	STATUS	REMARKS
A	SPECIFIC CONDITIONS:		
i)	The project proponent shall undertake periodic inspection and maintenance to avoid spillages, wear and tear of the proposed conveying system.	Complied	Complied
ii)	Adequate safe guards including alarm and emergency shutdown system shall be provided for the proposed conveying system.	Complied	Complied
iii)	Proper fire hydrant and fire extinguisher shall be provided at appropriate locations conforming to prevailing norms or fire safety.	Complied	Complied
iv)	There shall be no destruction of the mangrove during construction as well as the operation phase.	Complied	Complied
v)	The top soil of excavated area during the construction shall be kept separately and to be used for vegetation.	Complied	Excavated soil used in Ecological Park and roadside land filling which used for vegetation.
vi)	The labour camps, storage of material and machinery during construction phase shall be located outside the CRZ.	Complied	Yes, located outside the CRZ.
vii)	Crossing of creek shall be on trestles with adequate clearance thereby having negligible impact on the flow.	Complied	The RRLS facility is laid on the existing bridge for which sufficient clearance already exist.
viii)	During construction, solid waste generated will include packaging and wrapping material, stubs of spent welding electrodes, used rags and housekeeping etc. The project proponent shall ensure disposal of such wastes at approved sites. There shall be no disposal in CRZs.	Complied	Complied
ix)	There shall be no ground water withdrawal within CRZ limits.	Complied	Complied

IOCL, Paradip Refinery cum Petrochemicals Complex

Subject: EC CRZ - Compliance Status Report

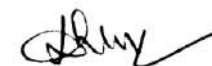
S.N.	CONDITIONS:	STATUS	REMARKS
x)	All the recommendations and conditions specified by Odisha Coastal Zone Management Authority (OCZMA) vide letter No. 56/OCZMA dated 25.08.2015, shall be complied with.	Complied	Complied
xi)	Project proponent shall implement all the recommendations stipulated in the EIA, EMP and Risk Assessment reports pertaining to the project.	Complied	Complied
xii)	The project proponent shall set up separate environmental management cell for effective implementation of the stipulated environmental safeguards under the supervision of a Senior Executive.	Complied	Dedicated Environment Management Cell headed by a HOD exists in the Refinery to take care of all the environmental issues.
xiii)	The project proponent shall take up mangrove plantation/ green belt in the project area, wherever possible. Adequate budget shall be provided in the Environment Management Plan for such mangrove development.	Complied	Complied
B	General Conditions		
i)	'Consent to Establish' shall be obtained from the State Pollution Control Board under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.	Complied	Complied
ii)	A copy of the clearance letter shall also be displayed on the website of the concerned State Pollution Control Board. The EC letter shall also be displayed at the Regional Office, District Industries centre and Collector's Office/ Tehsildar's office for 30 days.	Agreed for Compliance	Compliance at OSPCB site
iii)	The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year-wise expenditure shall be reported to this Ministry and its concerned Regional Office.	Complied	Year wise budget provision being made for environment related activities. In 2023-24, total expenditure on account of environment related job was approximately of Rs. 24.70 Cr
5	The above stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) act 1981, the Environment (Protection) Act, 1986, the	Agreed for Compliance	Noted



IOCL, Paradip Refinery cum Petrochemicals Complex

Subject: EC CRZ - Compliance Status Report

S.N.	CONDITIONS:	STATUS	REMARKS
	Public Liability (Insurance) Act, 1991, EIA Notification, 2006 and CRZ Notification, 2011.		
6	Officials from the Regional Office of MoEF&CC, Bhubaneswar who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/ data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF&CC should be forwarded to the CCF, Regional Office of MoEF&CC Bhubaneswar.	Agreed for Compliance	Noted
7	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.	Agreed for Compliance	Noted for Compliance
8	The Ministry reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the CRZ Clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	Agreed for Compliance	Noted
9	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.	Complied	Complied
10	The project proponent should advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded CRZ Clearance and copies of clearance letters are available with the State Pollution Control Board and may also be seen on the website of the Ministry of Environment, Forest & Climate Change at http://www.envfor.nic.in . The advertisement should be made within Seven days from the date of receipt of the Clearance letter and a copy of the	Complied	Complied



IOCL, Paradip Refinery cum Petrochemicals Complex

Subject: EC CRZ - Compliance Status Report

S.N.	CONDITIONS:	STATUS	REMARKS
	same should be forwarded to the Regional Office of this Ministry at Bhubaneswar.		
11	This Clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs Union of India in Writ Petition (Civil) No.460 of 2004 as may be applicable to this project.	Agreed for Compliance	Noted
12	Any appeal against this clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Agreed for Compliance	Noted
13	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parisad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.	Complied	Complied



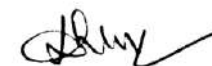
IOCL, Paradip Refinery cum Petrochemicals Complex

Subject: EC CRZ - Compliance Status Report

Annexure-E

Name of Project	:	EC and CRZ Clearance for “Installation Ethylene Recovery Unit, Mono Ethylene Glycol Unit and BS-VI facility at Paradip Refinery cum Petrochemical Complex, village Abhayachandrapur, Tehsil Kujanga, District Jagatsinghpur (Odisha)
Clearance Letter(s) No. & Date	:	F. No. J-11011-344/2016-IA-II (I) dated 11 th October, 2018
Period of Compliance Report	:	Apr'24 to Sep'24

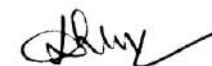
S.N.	CONDITIONS :	STATUS	REMARKS
11.0	EC CONDITIONS:		
i)	Consent to Establish/Operate for the project shall be obtained from the State Pollution Control Board as required under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.	Complied	Consent to Establish for the said project obtained from OSPCB vide letter ref: 9365/IND-II-NOC-6193 dated 06-08-2018.
ii)	Necessary authorization required under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and Solid Waste Management Rule, 2016 shall be obtained and provisions contained in the Rules shall be strictly adhered to.	Complied	MEG&ERU and BS-VI project is part of the existing Refinery which is having valid HW Authorization vide ref no. IND-IV-HW-930/4014 dated 21-03-2024 with a validity till 31-03-2025
iii)	National Emission standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R 608 € dated 21st July, 2010 and amended from time to time shall be followed.	Complied	G.S.R 186 (E) dated 18 th March 2008 is applicable to Oil Refinery and IOCL Paradip Refinery is complying the same.
iv)	To control source and the fugitive emissions, suitable pollution control devices shall be installed with different stacks to meet the prescribed norms and/or the NAAQMS. The gaseous emissions shall be dispersed through stacks of adequate height as per the CPCB/SPCB guideline.	Complied	Stack height is as per statutory requirement i.e. $H = 14 Q_g^{0.3}$ H = Height of stack in meters Q _g = Quantity of SO ₂ emission in kg/hr
v)	The project proponent shall take necessary steps to prevent any liquid hydrocarbon falling on the water body of the creek from the pipelines passing	Complied	Providing tray barrier or enclosure around the pipelines crossing over the creek require humongous structures erection at the extant



IOCL, Paradip Refinery cum Petrochemicals Complex

Subject: EC CRZ - Compliance Status Report

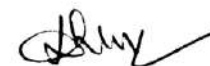
S.N.	CONDITIONS :	STATUS	REMARKS
	over the bridge of Santra creek by creating a tray like barrier below the pipelines which can hold any leakage materials.		pipelines bridge, so as to maintain integrity & stability of structures against high wind pressure load considering super cyclones prone location of Paradip Refinery. While reviewing pipe racks adequacy for new projects, it was found that the structures cannot accommodate additional load. Hence the arrangement to provide trays below the pipelines is not feasible. Accordingly, IOCL has put in the following mitigation measures for oil spill containment: • The refinery location compatible with Design standards, O&M & Inspection practices ensure integrity of pipelines and structure stability. • Illumination at pipeline bridge area has been enhanced. • The bridge area is under round the clock patrolling by CISF personnel placed at site. • All the pipelines crossing the creek are subject to health checks like monthly walk thru inspection, quarterly thickness sampling for corrosion detection and periodical LRUT survey as per standards (once in two years) and records maintained. View the above actions, hydrocarbon pipelines leakage probability is almost negligent. Also, adequate numbers of Oil spill containment Booms, Boats, oil adsorbent, oil dispersant and



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S.N.	CONDITIONS :	STATUS	REMARKS
			cleaning kit are kept as emergency standby near Santra creek for tackling any Leak scenario. Oil Spill Response plan of Paradip Refinery duly approved by competent authority is in place to tackle any leak scenario.
vi)	Total water requirement shall not exceed 4685 cum/hr to be met from Mahanadi River. Necessary permission in this regard shall be obtained from the concerned regulatory authority.	Complied	Being complied
vii)	Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arrestors shall be provided on tank farm, and solvent transfer to be done through pumps.	Complied	Being complied
viii)	Process effluent/any waste water shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.	Complied	Being complied
ix)	Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic and evaporation salt shall be disposed off to the TSDF. The ash from boiler shall be sold to brick manufacturer/cement industry.	Complied	MEG-ERU and BS-VI facility is integral part of the existing Refinery. All the wastes are disposed-off in line with the HW approval issued by OSPCB.
x)	The company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemical (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.	Complied	Being complied
xi)	Regular VOC monitoring to be done at vulnerable points	Complied	Being complied
xii)	The oily sludge shall be subjected to melting pit for oil recovery and the residue shall be bio-remediated. The sludge shall be stored in HDPE lined pit with proper leachate collection system	Complied	Complied



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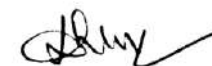
S.N.	CONDITIONS :	STATUS	REMARKS
xiii)	Comprehensive water audit to be conducted on annual basis and report to the concerned Regional Office of MEF&CC. Outcome from the report to be implemented for conservation scheme	Complied	Water Audit by M/s EIL has been carried out for entire Refinery in 2019-20.
xiv)	Oil catchers/oil traps shall be provided at all possible locations in rain/ storm water drainage system inside the factory premises	Complied	Oil catchers are provided at all possible locations in rain/ storm water drainage system.
xv)	The company shall undertake waste minimization measures as below:- (a) Metering and control of quantities of active ingredients to minimize waste. (b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. (c) Use of automated filling to minimize spillage. (d) Use of Close Feed system into batch reactors. (e) Venting equipment through vapour recovery system. (f) Use of high pressure hoses for equipment clearing to reduce wastewater generation.	Complied	IOCL PDR has installed facilities like Vapor recovery system, Closed feed system etc. to minimize spillage or vent.
xvi)	The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.	Being complied	Noted for compliance. Green belt with an area of 31.57 % has already been developed for the existing Refinery as per the previous EC requirement based on the availability of land. Balance green belt development is being explored with the support of local community to fulfil the requirement of 33%.
xvii)	At least 0.25% of the total project cost shall be allocated for Corporate Environment Responsibility (GER) and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office.	Being complied	Complied



IOCL, Paradip Refinery cum Petrochemicals Complex

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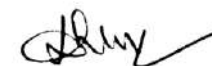
S.N.	CONDITIONS :	STATUS	REMARKS
xviii)	For the DG sets, emission limits and the stack height shall be in conformity with the extant regulations and the CPCB guidelines. Acoustic enclosure shall be provided to DG set for controlling the noise pollution	Complied	Complied. DG sets is available at P&U for handling any black out emergency. Stack heights, emissions and acoustic enclosure are as per CPCB guidelines.
xix)	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms	Complied	The entire unit is protected by Fixed and portable firefighting facilities confirming to OISD-116.
xx)	Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises. In case of the treated effluent to be utilized for irrigation/gardening, real time monitoring system shall be installed at the ETP outlet		Continuous online (24x7) monitoring of stack for measurement of flue gas discharge and the pollutants concentration along with data transmission to CPCB and SPCB server is available. Treated effluent water meeting MINAS parameters limits is discharged from the Refinery through a closed system into deep Sea at 3 km from LTL through diffuser. Online analysers have been provided in the effluent discharge line for continuous monitoring of the treated effluent discharge water quality and quantity and real time data sent online to CPCB, SPCB. CCTV camera is installed for monitoring of effluent discharge line area.
xxi)	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act	Complied	Occupational Health Report attached as Annexure-10 .
xxii)	All terms and conditions stipulated by the State Coastal Zone Management Authority in their recommendation/NOC letter dated 11 th January, 2018 shall be strictly adhered to	Complied	Complied



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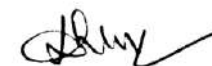
S.N.	CONDITIONS :	STATUS	REMARKS
xxiii)	The National Emission Standards for Petroleum Oil Refinery issued by the Ministry vide G.S.R. 186(E) dated 18 th March, 2008 and G.S.R. 595(E) dated 2P1 August, 2009 as amended from time to time shall be followed	Complied	Paradip Refinery is strictly following the Standards vide G.S.R. 186(E) dated 18 th March 2008 and G.S.R. 595(E) dated 21 August, 2009
xxiv)	The National Emission Standards for Petrochemical (Basic & Intermediates) issued by the Ministry vide G.S.R. 820 (E) dated 9th November, 2012 as amended time to time shall be followed.	Complied	Shall be complied.
11.1		Compliance of other general conditions:	
i)	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board, Central Pollution Control Board, State Government and any other statutory authority	Complied	Complied
ii)	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any	Complied	Complied
iii)	The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one station each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	Complied	Complied
iv)	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 th November, 2009 shall be followed.	Complied	Complied
v)	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise	Complied	Complied



IOCL, Paradip Refinery cum Petrochemicals Complex

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S.N.	CONDITIONS :	STATUS	REMARKS
	levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).		
vi)	The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water	Complied	Ground water recharging is not suitable in Paradip region as water table is very high. However, Refinery has constructed two storm water reservoirs (Capacities: 2,96,000 KL and 3,13,000 KL) to store monsoon rainwater in Refinery premises for re-use. Further, Refinery has developed an Ecological Park integrated with rainwater harvesting pond which can store approximately 470000 KL water during rain.
vii)	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	Complied	Complied
viii)	The company shall also comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.	Complied	EIA/EMP recommendations are complied.
ix)	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. ESC activities shall be undertaken by involving local villages and administration	Complied	IOCL PDR is implementing projects under CSR and CER extensively for improving the socio-economic conditions of the surrounding area
x)	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment	Complied	Paradip Refinery has recently developed an ecological park to create an ambience for ecology and sustainability.



IOCL, Paradip Refinery cum Petrochemicals Complex

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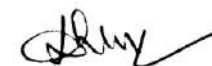
S.N.	CONDITIONS :	STATUS	REMARKS
xi)	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose	Complied	In 2023-24, total expenditure on account of environment related job was approximately of Rs. 24.70 Cr. Year wise budget provision is made for environment related activities.
xii)	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal	Complied	Complied
xiii)	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company	Complied	Being complied Six monthly compliance report is being sent to MoEF. Last report was submitted vide letter no. PDR/HSE/HC/MOEFCC/2023-24/002 dated 24.09.2024 for Oct'23 to March'24.
xiv)	The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail	Complied	Being complied Paradip Refinery regularly submitting the Environment Statement in September. Environment Statement for FY 2023-24 submitted on 15.09.2024 vide ref no. PDR/HSE/Env-Statement/2023-24.



IOCL, Paradip Refinery cum Petrochemicals Complex

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S.N.	CONDITIONS :	STATUS	REMARKS
xv)	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at http://moef.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry	Complied	Advertisement placed in two newspapers (One is "The Samaja" and other is "The Times of India")  
xvi)	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project	Complied	Being complied



IOCL, Paradip Refinery cum Petrochemicals Complex

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Annexure-F

Name of Project	:	EC and CRZ Clearance for “Integrated Para-Xylene & Purified Terephthalic Acid (PTA) Project within existing Refinery complex by M/s. Indian Oil Corporation Limited, Paradip Refinery located at S.F. No-218, Abhayachandrapur Village, Jagatsinghpur District, Odisha State
Clearance Letter(s) No. & Date	:	F. No. J-11011/395/2012-IA-II (I) dated 9 th Aug 2021
Period of Compliance Report	:	Apr'24 to Sep'24

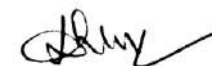
S.N.	CONDITIONS:	STATUS	REMARKS
A	EC CONDITIONS:		
i)	Construction in CRZ area shall be in accordance with the provision of CRZ Notification, 2011 and as amended from time to time. The project proponent shall comply with all the conditions stipulated in OCZMA/CRZ recommendations and NOC issued for the same.	Complied	Complied
(ii)	No groundwater shall be extracted to meet the water requirements during the construction phase of the project, within CRZ area.	Complied	No ground water is extracted at Paradip Refinery.
(iii)	The PESO clearance shall be obtained, if related by M/s IOCL before commencing the project activities.	Complied	Noted for compliance.
(iv)	No excavated material during the construction shall be dumped in water bodies adjacent to CRZ areas. CRZ site shall be restored to near original condition after completion of construction.	Complied	Complied
(v)	The company shall submit detailed study report on odour pollutants from the industry, their control and mitigation within petrochemical refinery after carrying out continuous monitoring for one month and the report shall be submitted within three (03) months to the Ministry.	Complied	Odour Pollutant Study has been done by M/s Chola MS and report submitted on 31.05.2022. No significant findings from Paradip refinery were observed by the agency.
(vi)	The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental	Complied	Complied



IOCL, Paradip Refinery cum Petrochemicals Complex

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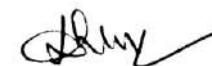
S.N.	CONDITIONS:	STATUS	REMARKS
	management, and risk mitigation measures relating to the project shall be implemented.		
(vii)	Total freshwater requirement shall not exceed 89832 m3/day, proposed to be met from River Mahanadi. Necessary permission in this regard shall be obtained from the concerned regulatory authority. The freshwater requirement shall be reduced after installation of rainwater harvesting system in the unit/project area.	Complied	Complied
(viii)	Comprehensive water audit to be conducted on annual basis and report to the concerned Regional Office of MEF&CC. Outcome from the report to be implemented for conservation scheme.	Complied	Water Audit by M/s EIL has been carried out for entire Refinery in 2019-20 and recommendations have been implemented.
(ix)	Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.	Complied	Complied
(x)	Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm, and solvent transfer to be done through pumps.	Complied	Being Complied for existing Refinery complex and shall be complied with in PX-PTA unit as well.
(xi)	Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF. The ash from boiler shall be sold to brick manufacturers/cement industry.	Complied	Noted for compliance. Refinery ETP sludge is processed in Delayed Coker unit in Refinery itself as per HW authorization. Ash generation from boilers is very less ~ 20MT/ Annum as cleaner fuel is fired in boilers and ash being a small quantity is disposed in captive SLF.
(xii)	Regular VOC monitoring shall be done at vulnerable points.	Complied	Being Complied for existing Refinery complex and shall be complied with in PX-PTA unit as well.
(xiii)	The oily sludge shall be subjected to melting pit for oil recovery and the residue shall be bio-remediated. The sludge shall be stored in HDPE lined pit with proper leachate collection system.	Agreed for Compliance	Noted for compliance.
xiv)	Oil catchers/oil traps shall be provided at all possible locations in rain/ storm water drainage system inside the factory premises.	Complied	PX-PTA facility is integral part of the existing Refinery. Oil catchers are already provided in the existing facility.



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S.N.	CONDITIONS:	STATUS	REMARKS
xv)	The company shall undertake waste minimization measures as below: a) Metering and control of quantities of active ingredients to minimize waste. b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. c) Use of automated filling to minimize spillage. d) Use of Close Feed system into batch reactors. e) Venting equipment through vapour recovery system. f) Use of high pressure hoses for equipment cleaning etc. to reduce wastewater generation.	Complied	IOCL PDR has installed facilities like Vapor recovery system, Closed feed system etc. to minimize spillage or vent.
xvi)	The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.	Agreed for Compliance	Noted for compliance. Green belt with an area of 31.57 % has already been developed for the existing Refinery as per the previous EC requirement based on the availability of land. Balance green belt development is being explored with the support of local community to fulfil the requirement of 33%.
xvii)	As per the Ministry's OM dated 30.09.2020 superseding the OM dated 01.05.2018 regarding the Corporate Environmental Responsibility, and as per the action plan proposed by the project proponent to address the socio-economic and environmental issues in the study area, the project proponent, as committed, shall provide education funds in technical training centers/ support in nearby village's schools, support in health care facilities, drinking water supply and funds for miscellaneous activities like solar street lights, battery, solar panel etc., in the nearby villages. The action plan shall to be completed within time as proposed.	Agreed for Compliance	Noted for compliance IOCL PDR is implementing projects under CER extensively for improving the socio-economic conditions of the surrounding area.
xviii)	The project proponent shall ensure 70% of the employment to the local people, as per the applicable law. The project proponent shall set up a skill development center/provide skill development training to village people.	Being Complied	The employment of local people is being carried out as per the applicable law.



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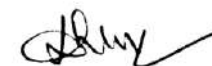
S.N.	CONDITIONS:	STATUS	REMARKS
			Various developmental activities e.g. promoting education, skill development trainings etc. in nearby Gram Panchayats under CSR are being finalized by CSR team of Paradip Refinery in consultation with District Administration. Skill development in association with NSDC & CIPET is being carried out periodically. Skill development Institute has been set up at Bhubaneswar with an aim to provide opportunities to the unemployed and underprivileged youth of Odisha and to provide skilled manpower to the industry.
xix)	A separate Environmental Management Cell (having qualified person with Environmental Science/ Environmental Engineering/ specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	Being complied	Dedicated Environment Management Cell headed by a HOD exists in the Refinery to take care of all the environmental issues
xx)	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms.	Being complied	Being Complied for existing Refinery complex and shall be complied with in PX-PTA unit as well.
xxi)	Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. In case of the treated effluent to be utilized for irrigation/gardening, real time monitoring system shall be installed at the ETP outlet.	Agreed for Compliance	Noted for compliance. Continuous online (24x7) monitoring system for stack emissions is already in place at Paradip Refinery and same shall be complied for PX-PTA unit stacks. Real time monitoring system shall be installed at the ETP outlet.
xxii)	PP to set up occupational health Centre for surveillance of the worker's health within and outside the plant on a regular basis. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.	Being Complied	Occupational health Centre is already available for the Refinery. Same facility shall be used for PX-PTA unit as well. OHC report for Refinery employees is enclosed as Annexure- 10 .



IOCL, Paradip Refinery cum Petrochemicals Complex

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S.N.	CONDITIONS:	STATUS	REMARKS
xxiii)	The National Emission Standards for Petrochemical (Basic & Intermediates) issued by the Ministry vide G.S.R. 820 (E) dated 9th November, 2012 as amended time to time shall be followed.	Agreed for Compliance	Noted for compliance.
xxiv)	Recommendations of mitigation measures from possible accident shall be implemented based on Risk Assessment studies conducted for worst case scenarios using latest techniques.	Agreed for Compliance	Noted for compliance.
xxv)	The project proponent shall develop R&D facilities to develop their own technologies for propylene and polypropylene processing.	Complied	IOCL has a fully established R&D facility located at Faridabad, Haryana.
B			
(i)	No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Agreed for Compliance	Noted for compliance.
(ii)	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.	Agreed for Compliance	Noted for compliance.
(iii)	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Agreed for Compliance	Noted for compliance.
(iv)	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CER activities shall be undertaken by involving local villages and administration and shall be	Being complied	IOCL PDR is implementing projects under CSR and CER extensively for improving the socio-economic conditions of the surrounding area.



IOCL, Paradip Refinery cum Petrochemicals Complex

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S.N.	CONDITIONS:	STATUS	REMARKS
	implemented. The company shall undertake eco developmental measures including community welfare measures in the project area for the overall improvement of the environment		
(v)	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.	Being complied	In 2023-24, total expenditure on account of environment related job for Paradip Refinery was approximately of Rs. 24.70 Cr. Year wise budget provision is made for environment related activities.
(vi)	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, ZillaParishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.	Complied	Complied
(vii)	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six-monthly compliance status report shall be posted on the website of the company.	Complied	Six monthly compliance report is being sent to MoEF. Last report was submitted vide letter no. PDR/HSE/HC/MOEFCC/2023-24/002 dated 24.09.2024 for Oct'23 to March'24.
(viii)	The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.	Being Complied	Paradip Refinery regularly submitting the Environment Statement in September. Environment Statement for FY 2023-24 submitted on 15.09.2024 vide ref no. PDR/HSE/Env-Statement/2023-24.



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S.N.	CONDITIONS:	STATUS	REMARKS
(ix)	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry and at https://parivesh.nic.in/ . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	Complied	Advertisement placed in two newspapers (One is "The Samaja" and other is "The Times of India")  
(x)	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Agreed for Compliance	Noted for compliance
(xi)	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.	Agreed for Compliance	Noted
23	The ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the siad conditions in a time bound manner. The ministry may revoke or suspend the environmental clearance, if implementation of any of the condition is not found satisfactory.	Agreed for Compliance	Noted
24	Concealing factual data or submission of false/ fabricated data and failure to comply with any conditions mentioned above may result in withdrawal of this clearance and attract action under the provision of Environment (Protection) Act , 1986.	Agreed for Compliance	Noted



Annexure-2

Stack Emission Report



Visiontek Consultancy Services Pvt. Ltd.

(Committed For Better Environment)

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 (OH&S), ISO/IEC 17025:2017 Certified

Ref.: Envlab/24-25/TR-14048

Date: 30.12.2024

TEST REPORT

Name and Address of the Customer: : IOCL, Paradip Refinery

APRIL-2024						
Parameter			SO ₂	NO _x	PM	CO
UOM			mg/Nm ³	mg/Nm ³	mg/Nm ³	mg/Nm ³
Method			IS 11255 [P-2]	IS 11255 [P-7]	IS 11255 [P-1]	IS 11255 [P-3]
CEMS-21	HRSG -2	02-04-24	70.8	155.6	18.07	8.75
CEMS-22	HRSG -3	02-04-24	72.1	218.6	9.47	11.25
CEMS-12	HRSG -1	03-04-24	81.6	126.7	15.49	7.5
CEMS-10	UB-3	03-04-24	64.8	97.4	13.34	3.75
CEMS-09	UB-2	04-04-24	84.2	78.8	13.57	2.5
CEMS-05	DCU-Heater 1	04-04-24	55.1	72.3	8.92	1.25
CEMS-03	DCU-Heater 2	05-04-24	54.4	40.8	9.18	2.5
CEMS-04	CDU	05-04-24	141.8	95.4	12.35	5
CEMS-14	VDU	06-04-24	111.5	58.3	9.12	1.25
CEMS-13	VGO(MHC-2)	06-04-24	46.3	58.8	4.46	1.25
CEMS-20	VGO(ADH)	08-04-24	55.2	63.6	7.96	1.25
CEMS-19	VGO-HDT	08-04-24	57.1	65.4	8.3	1.25
CEMS-02	VGO(MHC-1)	09-04-24	46.8	62.4	4.08	1.25
CEMS-01	DHDT	09-04-24	44.3	52.1	4.44	2.5
CEMS-15	FCC RR	10-04-24	90.8	54.1	19.09	225
CEMS-17	FCC HEATER	10-04-24	723.2	142.8	6.97	1.25
CEMS-18	CCRU -P	13-04-24	45.2	68.4	3.18	11.25
CEMS-07	NHDT	13-04-24	70.4	58.9	3.53	5
CEMS-06	SRU/TGTU	15-04-24	1658.4	215.6	10.53	92.5
CEMS-08	UB-1	16-04-24	130.4	71.2	7.56	2.5
CEMS-10	UB-3	16-04-24	65.1	96.4	5.57	1.25
CEMS-21	HRSG -2	17-04-24	72.4	149.3	9.83	7.5
CEMS-22	HRSG -3	17-04-24	72.5	214.6	7.03	5
CEMS-12	HRSG -1	18-04-24	82.4	121.3	6.31	6.25
CEMS-14	VDU	18-04-24	108.6	55.8	2.5	2.5
CEMS-04	CDU	19-04-24	139.4	96.2	5.88	3.75
CEMS-05	DCU-Heater 1	19-04-24	55.8	71.3	2.09	1.25
CEMS-02	VGO(MHC-1)	20-04-24	43.8	63.5	3.26	5
CEMS-13	VGO(MHC-2)	20-04-24	48.2	57.4	3.91	2.5
CEMS-15	FCC RR	22-04-24	88.7	55.4	10.84	250
CEMS-17	FCC HEATER	22-04-24	224.8	141.5	3.2	2.5
CEMS-18	CCRU -P	23-04-24	44.6	68.3	4.27	7.5
CEMS-07	NHDT	23-04-24	69.9	57.6	3.97	2.5
CEMS-01	DHDT	26-04-24	43.8	50.6	3.8	2.5
CEMS-06	SRU/TGTU	29-04-24	1566.1	228.4	23.67	87.5

Note:

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3. Sample will be preserved according to standard method.
4. The test report shall not be reproduced except in full, without the written approval of laboratory.

Accreditations: OHSAS-45001:2018, MoEF & CC, NABET,
SPCB Empanelled Consultant-A Category.


Authorized Signatory



Visiontek Consultancy Services Pvt. Ltd.

(Committed For Better Environment)

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 (OH&S), ISO/IEC 17025:2017 Certified

Ref.: Envlab/24-25/TR- 14049

Date: 30.12.2024

TEST REPORT

Name and Address of the Customer: : IOCL, Paradip Refinery

MAY-2024						
Parameter			SO ₂	NO _x	PM	CO
UOM			mg/Nm ³	mg/Nm ³	mg/Nm ³	mg/Nm ³
Method			IS 11255 [P-2]	IS 11255 [P-7]	IS 11255 [P-1]	IS 11255 [P-3]
CEMS-21	HRSG -2	01-05-24	69.3	142.6	5.89	5
CEMS-22	HRSG -3	01-05-24	73.3	231.4	7.52	3.75
CEMS-08	UB-1	02-05-24	144.2	71.4	13.11	15
CEMS-09	UB-2	02-05-24	88.1	76.8	3.36	5
CEMS-10	UB-3	03-05-24	63.8	95.2	7.7	1.25
CEMS-12	HRSG-01	03-05-24	81.9	122.4	5.55	2.5
CEMS-05	DCU-Heater 1	04-05-24	56.7	72.3	4.31	1.25
CEMS-03	DCU-Heater 2	04-05-24	55.6	40.8	3	1.25
CEMS-04	CDU	06-05-24	138.7	92.6	7.41	2.5
CEMS-14	VDU	06-05-24	109.7	54.9	7.88	5
CEMS-15	FCC RR	07-05-24	89.8	54.2	7.93	237.5
CEMS-17	FCC HEATER	07-05-24	229.6	142.8	3.46	2.5
CEMS-02	VGO(MHC-1)	08-05-24	44.8	62.4	4	3.75
CEMS-13	VGO(MHC-2)	08-05-24	49.4	58.6	3.91	2.5
CEMS-01	DHDT	10-05-24	44.6	51.7	4.23	2.5
CEMS-02	VGO(MHC-1)	10-05-24	46.2	61.9	3.73	1.25
CEMS-05	DCU-Heater 1	11-05-24	57.1	84.3	4.47	7.5
CEMS-03	DCU-Heater 2	11-05-24	54.8	62.5	4.97	1.25
CEMS-18	CCRU -P	13-05-24	45.4	71.2	4.38	10
CEMS-07	NHDT	13-05-24	71.4	56.3	6.33	2.5
CEMS-06	SRU/TGTU	16-05-24	1586.4	206.2	24.44	91.25
CEMS-10	UB-3	16-05-24	62.3	94.2	15.3	89.6
CEMS-08	UB-1	17-05-24	148.2	72.4	17.58	10
CEMS-09	UB-2	17-05-24	84.2	69.4	7.1	2.5
CEMS-12	HRSG -1	18-05-24	80.6	124.3	9.2	5
CEMS-21	HRSG -2	18-05-24	70.2	141.6	8.14	6.25
CEMS-22	HRSG -3	20-05-24	74.3	218.6	5.1	15
CEMS-05	DCU-Heater 1	20-05-24	59.4	87.1	9.5	6.25
CEMS-03	DCU-Heater 2	21-05-24	57.4	43.6	4.48	1.25
CEMS-14	VDU	21-05-24	107.6	55.8	7.69	6.25
CEMS-04	CDU	22-05-24	137.6	91.4	10.85	5
CEMS-02	VGO(MHC-1)	22-05-24	48.1	64.1	3.85	2.5
CEMS-13	VGO(MHC-2)	23-05-24	46.3	59.4	4.1	2.5
CEMS-15	FCC RR	23-05-24	92.4	58.6	23.18	210
CEMS-17	FCC HEATER	24-05-24	259.8	145.2	3.6	2.5
CEMS-07	NHDT	24-05-24	76.4	54.2	2.96	5
CEMS-18	CCRU -P	27-05-24	47.1	72.6	1.66	7.5
CEMS-01	DHDT	27-05-24	45.7	53.9	1.95	3.75

Note:

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Accreditations: OHSAS-45001:2018, MoEF & CC, NABET,
SPCB Empanelled Consultant-A Category.


Authorized Signatory



Visiontek Consultancy Services Pvt. Ltd.

(Committed For Better Environment)

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 (OH&S), ISO/IEC 17025:2017 Certified

Ref.: Envlab/24-25/TR-14050

Date: 30.12.2024

TEST REPORT

Name and Address of the Customer: : IOCL, Paradip Refinery

JUNE-2024						
Parameter			SO ₂	NO _x	PM	CO
UOM			mg/Nm ³	mg/Nm ³	mg/Nm ³	mg/Nm ³
Method			IS 11255 [P-2]	IS 11255 [P-7]	IS 11255 [P-1]	IS 11255 [P-3]
CEMS-05	DCU-Heater 1	05-06-24	60.5	88.7	6.16	2.5
CEMS-03	DCU-Heater 2	05-06-24	52.8	42.9	5.05	1.25
CEMS-14	VDU	06-06-24	106.8	54.8	3.75	3.75
CEMS-04	CDU	06-06-24	134.8	90.6	11.32	5
CEMS-15	FCC RR	07-06-24	85.6	53.6	5.78	237.5
CEMS-17	FCC HEATER	07-06-24	341.6	134.2	1.65	1.25
CEMS-02	VGO(MHC-1)	08-06-24	40.6	58.9	2.76	5
CEMS-13	VGO(MHC-2)	08-06-24	48.7	62.5	2.73	2.5
CEMS-08	UB-1	17-06-24	145.6	70.4	5.05	1.25
CEMS-09	UB-2	17-06-24	81.3	70.4	4.65	1.25
CEMS-11	UB-4	18-06-24	164.3	148.7	3.93	2.5
CEMS-12	HRSR -1	19-06-24	84.3	121.6	5.68	3.75
CEMS-22	HRSR -3	19-06-24	69.4	225.1	3.18	6.25
CEMS-03	DCU-Heater 2	20-06-24	51.7	41.3	4.39	1.25
CEMS-17	FCC HEATER	24-06-24	344.3	135.4	1.97	1.25
CEMS-04	CDU	25-06-24	133.8	92.3	6.79	6.25
CEMS-15	FCC RR	25-06-24	86.2	54.9	22.12	206.25
CEMS-02	VGO(MHC-1)	26-06-24	47.2	63.5	3.43	2.5
CEMS-13	VGO(MHC-2)	26-06-24	43.4	61.2	0.79	2.5
CEMS-18	CCRU -P	27-06-24	48.3	71.6	3.19	7.5
CEMS-07	NHDT	27-06-24	74.1	52.3	3.51	2.5
CEMS-11	UB-4	28-06-24	88.4	125.6	2.12	1.25
CEMS-14	VDU	29-06-24	104.6	50.4	1.49	5
CEMS-05	DCU-Heater 1	05-06-24	60.5	88.7	6.16	2.5
CEMS-03	DCU-Heater 2	05-06-24	52.8	42.9	5.05	1.25
CEMS-14	VDU	06-06-24	106.8	54.8	3.75	3.75

Note:

1. Test Values are reported based on the materials received.
2. Sample(s) will be destroyed after 15 days from date of issues of the test report subject to nature of preservation.
3. Sample will be preserved according to standard method.
4. The test report shall not be reproduced except in full, without the written approval of laboratory.

Accreditations: OHSAS-45001:2018, MoEF & CC, NABET, SPCB Empanelled Consultant-A Category.



Audited Signatory



Visiontek Consultancy Services Pvt. Ltd.

(Committed For Better Environment)

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 (OH&S), ISO/IEC 17025:2017 Certified

Ref.: Envlab/24-25/TR-14051

Date: 30.12.2024

TEST REPORT

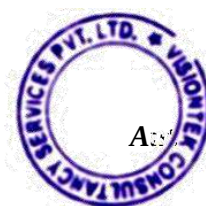
Name and Address of the Customer: : IOCL, Paradip Refinery

JULY-2024						
Parameter			SO ₂	NO _x	PM	CO
UOM			mg/Nm ³	mg/Nm ³	mg/Nm ³	mg/Nm ³
Method			IS 11255 [P-2]	IS 11255 [P-7]	IS 11255 [P-1]	IS 11255 [P-3]
CEMS-08	UB-1	01-07-24	144.8	71.2	2.61	1.25
CEMS-09	UB-2	01-07-24	82.4	71.2	6.55	1.25
CEMS-11	UB-4	02-07-24	89.7	124.3	6.89	1.25
CEMS-22	HRSG -3	02-07-24	68.7	175.2	8.09	7.5
CEMS-12	HRSG -1	04-07-24	87.1	122.3	5.34	2.5
CEMS-04	CDU	05-07-24	132.4	91.6	5.91	6.25
CEMS-14	VDU	05-07-24	102.4	52.7	8.93	3.75
CEMS-05	DCU-Heater 1	06-07-24	54.8	43.2	5.41	1.25
CEMS-01	DHDT	06-07-24	48.2	54.6	4.74	1.25
CEMS-03	DCU-Heater 2	08-07-24	53.4	42.5	4.49	1.25
CEMS-02	VGO(MHC-1)	08-07-24	48.1	32.5	4.55	3.75
CEMS-13	VGO(MHC-2)	09-07-24	44.3	63.4	4.57	2.5
CEMS-17	FCC HEATER	09-07-24	742.1	140.5	4.64	1.25
CEMS-15	FCC RR	10-07-24	85.4	54.9	22.91	237.5
CEMS-06	SRU/TGTU	10-07-24	1676.5	209.2	7.56	90
CEMS-07	NHDT	11-07-24	75.6	51.3	4.62	6.25
CEMS-18	CCRU -P	11-07-24	48.2	70.6	4.85	5
CEMS-10	UB-3	15-07-24	62.5	92.3	8.91	5
CEMS-11	UB-4	16-07-24	88.5	123.6	7.31	2.5
CEMS-09	UB-2	16-07-24	83.2	70.4	3.55	1.25
CEMS-21	HRSG -2	17-07-24	71.5	140.3	6.68	6.25
CEMS-12	HRSG -1	17-07-24	86.8	124.6	6.76	8.75
CEMS-05	DCU-Heater 1	18-07-24	54.8	47.5	3.32	1.25
CEMS-09	UB-2	18-07-24	83.5	69.3	2.36	1.25
CEMS-03	DCU-Heater 2	19-07-24	53.8	41.6	3.75	1.25
CEMS-04	CDU	19-07-24	130.5	92.3	1.63	5
CEMS-14	VDU	20-07-24	105.3	53.2	7.5	2.5
CEMS-01	DHDT	22-07-24	47.9	55.3	3.04	1.25
CEMS-02	VGO(MHC-1)	22-07-24	47.5	33.6	3.41	5
CEMS-13	VGO(MHC-2)	24-07-24	45.4	62.8	5.42	2.5
CEMS-06	SRU/TGTU	24-07-24	1738.2	207.3	20.73	92.3
CEMS-15	FCC RR	25-07-24	85.1	55.3	20.52	237.5
CEMS-17	FCC HEATER	26-07-24	698.4	135.6	3.49	1.25
CEMS-07	NHDT	29-07-24	74.8	50.3	4.23	5
CEMS-18	CCRU -P	31-07-24	47.7	68.3	1.14	2.5

Note:

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Accreditations: OHSAS-45001:2018, MoEF & CC, NABET,
SPCB Empanelled Consultant-A Category.



[Signature]

Authorized Signatory



Visiontek Consultancy Services Pvt. Ltd.

(Committed For Better Environment)

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 (OH&S), ISO/IEC 17025:2017 Certified

Ref.: Envlab/24-25/TR-14052

Date: 30.12.2024

TEST REPORT

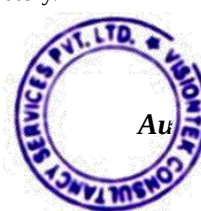
Name and Address of the Customer: : IOCL, Paradip Refinery

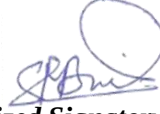
AUGUST-2024						
Parameter			SO ₂	NO _x	PM	CO
UOM			mg/Nm ³	mg/Nm ³	mg/Nm ³	mg/Nm ³
Method			IS 11255 [P-2]	IS 11255 [P-7]	IS 11255 [P-1]	IS 11255 [P-3]
CEMS-09	UB-2	01-08-24	82.3	65.8	10.87	1.25
CEMS-11	UB-4	01-08-24	87.9	120.3	6.29	2.5
CEMS-12	HRSG-01	02-08-24	90.1	125.4	5.76	15
CEMS-21	HRSG-02	02-08-24	72.4	136.5	3.84	12.5
CEMS-22	HRSG -3	03-08-24	68.3	169.2	7.77	17.5
CEMS-05	DCU-Heater 1	03-08-24	61.3	86.7	4.84	2.5
CEMS-03	DCU-Heater 2	05-08-24	42.8	40.8	3.09	1.25
CEMS-14	VDU	05-08-24	104.1	52.9	4.29	2.5
CEMS-04	CDU	06-08-24	131.5	93.1	4.83	2.5
CEMS-02	VGO(MHC-1)	06-08-24	48.1	33.8	2.44	2.5
CEMS-13	VGO(MHC-2)	07-08-24	44.9	61.8	4.85	1.25
CEMS-17	FCC HEATER	07-08-24	688.5	132.8	5.45	1.25
CEMS-15	FCC RR	08-08-24	86.2	58.4	19.94	212.5
CEMS-06	SRU/TGTU	08-08-24	1713.5	208.9	9	73.75
CEMS-18	CCRU -P	09-08-24	44.2	67.8	1.98	2.5
CEMS-07	NHDT	10-08-24	75.1	49.6	4.18	5
CEMS-01	DHDT	10-08-24	48.6	54.3	4.09	2.5
CEMS-11	UB-4	16-08-24	88.2	118.3	3.45	2.5
CEMS-09	UB-2	16-08-24	81.4	62.9	4.79	1.25
CEMS-12	HRSG -1	17-08-24	72.2	136.8	7.89	37.5
CEMS-21	HRSG -2	17-08-24	75.9	134.5	7.32	27.5
CEMS-22	HRSG -3	19-08-24	68.2	169.8	8.46	47.5
CEMS-14	VDU	19-08-24	132.7	90.6	5.82	2.5
CEMS-04	CDU	20-08-24	103.5	51.2	10.8	56.25
CEMS-05	DCU-Heater 1	20-08-24	62.4	85.2	2.87	2.5
CEMS-03	DCU-Heater 2	21-08-24	44.6	41.2	3.36	1.25
CEMS-02	VGO(MHC-1)	21-08-24	46.7	35.1	4.33	1.25
CEMS-13	VGO(MHC-2)	23-08-24	45.3	60.2	3.83	1.25
CEMS-15	FCC RR	24-08-24	88.4	54.3	23.9	250
CEMS-17	FCC HEATER	24-08-24	685.3	129.6	12.32	127.5
CEMS-01	DHDT	27-08-24	48.6	54.2	4.33	1.25
CEMS-07	NHDT	27-08-24	74.8	50.2	3.64	1.25
CEMS-06	SRU/TGTU	28-08-24	1556.4	208.2	23.14	91.25

Note:

1. Test Values are reported based on the materials received.
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3. Sample will be preserved according to standard method.
4. The test report shall not be reproduced except in full, without the written approval of laboratory.

Accreditations: OHSAS-45001:2018, MoEF & CC, NABET, SPCB Empanelled Consultant-A Category.



Au  rized Signatory



Visiontek Consultancy Services Pvt. Ltd.

(Committed For Better Environment)

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 (OH&S), ISO/IEC 17025:2017 Certified

Ref.: Envlab/24-25/TR-14053

Date: 30.12.2024

TEST REPORT

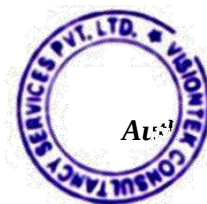
Name and Address of the Customer: : IOCL, Paradip Refinery

SEPTEMBER-2024						
Parameter			SO ₂	NO _x	PM	CO
UOM			mg/Nm ³	mg/Nm ³	mg/Nm ³	mg/Nm ³
Method			IS 11255 [P-2]	IS 11255 [P-7]	IS 11255 [P-1]	IS 11255 [P-3]
CEMS-02	VGO(MHC-1)	02-09-24	47.8	36.4	4.8	1.25
CEMS-13	VGO(MHC-2)	02-09-24	46.7	62.4	4.15	1.25
CEMS-01	DHDT	03-09-24	41.2	55.4	4.65	1.25
CEMS-09	UB-2	03-09-24	80.4	62.3	12.69	5
CEMS-10	UB-3	04-09-24	63.4	90.6	6.43	2.5
CEMS-11	UB-4	04-09-24	89.3	120.0	4.67	5
CEMS-21	HRSG -2	05-09-24	73.5	129.3	6.27	25
CEMS-22	HRSG -3	05-09-24	66.8	248.2	2.34	40
CEMS-05	DCU-Heater 1	06-09-24	46.4	40.8	4.71	1.25
CEMS-03	DCU-Heater 2	06-09-24	66.4	84.3	3.55	1.25
CEMS-04	CDU	09-09-24	133.4	94.2	5.92	2.5
CEMS-14	VDU	09-09-24	104.6	50.8	8.72	5
CEMS-15	FCC RR	10-09-24	89.3	55.2	20.18	162.5
CEMS-17	FCC HEATER	10-09-24	174.3	118.5	6.11	10
CEMS-07	NHDT	11-09-24	72.6	51.8	6.53	2.5
CEMS-18	CCRU -P	11-09-24	42.8	66.3	2.51	2.5
CEMS-06	SRU/TGTU	13-09-24	1588.4	190.6	10.13	92.3
CEMS-09	UB-2	17-09-24	81.1	60.8	8.09	2.5
CEMS-11	UB-4	17-09-24	90.5	121.3	9.97	2.5
CEMS-21	HRSG -2	18-09-24	70.5	119.3	13.52	17.5
CEMS-22	HRSG -3	18-09-24	68.3	142.1	8.97	26.25
CEMS-05	DCU-Heater 1	19-09-24	65.4	88.4	5.16	1.25
CEMS-12	HRSG -1	19-09-24	75.4	132.6	8.14	20
CEMS-03	DCU-Heater 2	20-09-24	44.8	40.1	5.64	1.25
CEMS-14	VDU	20-09-24	102.4	53.2	11.82	67.5
CEMS-01	DHDT	21-09-24	44.8	54.2	4.72	2.5
CEMS-04	CDU	21-09-24	130.4	92.5	8.19	6.25
CEMS-17	FCC HEATER	24-09-24	328.2	120.4	6.14	15
CEMS-15	FCC RR	25-09-24	88.4	56.2	24.46	250
CEMS-07	NHDT	27-09-24	70.8	52.4	6.55	5
CEMS-18	CCRU -P	27-09-24	43.4	62.5	4.1	3.75
CEMS-02	VGO(MHC-1)	28-09-24	45.8	35.8	4.6	1.25
CEMS-13	VGO(MHC-2)	28-09-24	47.4	60.5	3.9	1.25
CEMS-06	SRU/TGTU	30-09-24	1686.4	180.8	21.17	91.25

Note:

1. Test Values are reported based on the materials received.
2. Sample(s) will be destroyed after 15 days from date of issues of the test report subject to nature of preservation.
3. Sample will be preserved according to standard method.
4. The test report shall not be reproduced except in full, without the written approval of laboratory.

Accreditations: OHSAS-45001:2018, MoEF & CC,
SPCB Empanelled Consultant-A Category.



Aus^d Authorized Signatory

Annexure-3

NHMC & Benzene Monitoring Report



INDIAN OIL CORPORATION LIMITED

PARADIP REFINERY

QUALITY CONTROL LABORATORY

VOC/FUGITIVE EMISSION SUMMARY: 2024-25 Report

IndianOil

Source of sample: Inside the Plant

Reason for testing: VOC/Fugitive Emission (Non Methane Hydrocarbons-NMHC) study

Sample drawn by: QC Lab/ HSE representative

Test report No: PDR/QC/FE-NMHC/2024-25/Q1-Q2

Date of sample

Sl No	Test Method	Dt: 15.06.2024	Dt: 16.09.2024
1	UOP 539	NMHC (ppm) <100	NMHC (ppm) <100

Dr. RC Sahu
QCM
IOCL, Paradip Refinery
17.09.2024

Annexure-4

VOC Monitoring Report



INDIAN OIL CORPORATION LIMITED

PARADIP REFINERY

QUALITY CONTROL LABORATORY

IndianOil

VOC (FUGITIVE EMISSION) SUMMARY: 2024-25, Test Report

Source of sample: Inside the Plant

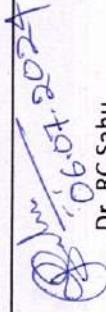
Reason for testing: VOC (Fugitive Emission) Study

Sample drawn by: QC Lab Representative

Test report No: PDR/QC/FE/2024-25/01

Date: 06.07.2024

Sl. No.	UNIT	Number of equipments taken for measurement	Date of Measurement	Test Results of VOC (kg/hr)
1	AVU	141	26.06.2024 - 28.06.2024	0.03816
2	CCR	29	28.06.2024	0.00793
3	NHT	48	28.06.2024	0.04238
4	DHDT	39	01.07.2024	0.02070
5	VGOHDT	90	19.06.2024 - 25.06.2024	0.01734
6	ALK & BUTAMER	32	06.04.2024	0.00495
7	KTU	17	06.04.2024	0.20571
8	FCC - INDMAX	27	10.04.2024	0.03709
TOTAL		423	06.04.2024 - 01.07.2024	0.37426


06.07.2024
Dr. RC Sahu

QCM

Indian Oil Corporation Ltd
Paradip Refinery



INDIAN OIL CORPORATION LIMITED

PARADIP REFINERY

QUALITY CONTROL LABORATORY

IndianOil

VOC (FUGITIVE EMISSION) SUMMARY: 2024-25, Test Report

Source of sample: Inside the Plant

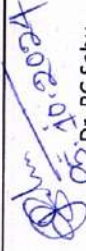
Reason for testing: VOC (Fugitive Emission) Study

Sample drawn by: QC Lab Representative

Test report No: PDR/QC/FE/2024-25/02

Date: 05.10.2024

Sl. No.	UNIT	Number of equipments taken for measurement	Date of Measurement	Test Results of VOC (kg/hr)
1	AVU	141	11.09.2024 - 13.09.2024	0.03724
2	CCR	29	30.09.2024	0.00487
3	NHT	48	30.09.2024	0.02660
4	DHDT	39	28.09.2024	0.05320
5	VGOHDT	90	24.09.2024 - 25.09.2024	0.01248
6	DCU	36	17.09.2024	0.05431
7	SARU	20	19.09.2024	0.00000
8	ALK & BUTAMER	32	19.09.2024	0.00341
9	KTU	17	27.09.2024	0.08435
10	FCC - INDMAX	27	21.09.2024	0.02421
11	KHDS	12	30.09.2024	0.01782
TOTAL		491	11.09.2024 - 30.09.2024	0.31849


05.10.2024

Dr. RC Sahu

QCM

Indian Oil Corporation Ltd

Paradip Refinery

Annexure-5

Ambient Air Quality Report

Table: 4 Period of Monitoring: April 2024

Day	Date of Sampling	ULR No	Concentration of Pollutants											
			Particulate Matter (PM2.5) µg/m3	Particulate Matter (PM10) µg/m3	Sulphur Dioxide (as SO2) µg/m3	Nitrogen Dioxide (as NO2) µg/m3	Ozone (as O3) µg/m3	Lead (as Pb ¹) µg/ m3	Carbon Monoxide (as CO) mg/m3	Ammonia (as NH3) µg/m3	Nickel (as Ni ²) ng/m ³	Arsenic (as As ³) ng/m3	Benzo (a) pyrene (as BAP ⁴) ng/m ³	Benzene (C6H6 ⁵) ug/m3
Tue./Wed.	02/04/2024	TC636624000002724F	30.76	78.20	20.30	29.20	19.80	ND	1.18	46.20	ND	ND	ND	ND
Thu./Fri.	05/04/2024	TC636624000002753F	27.77	77.10	19.80	18.60	21.60	ND	1.03	49.10	ND	ND	ND	ND
Tue./Wed.	09/04/2024	TC636624000002812F	30.34	68.40	28.30	22.60	16.80	ND	0.94	36.40	ND	ND	ND	ND
Fri./Sat.	12/04/2024	TC636624000002824F	33.76	74.50	17.20	24.50	15.20	ND	1.02	41.50	ND	ND	ND	ND
Tue./Wed.	15/04/2024	TC636624000002870F	25.21	77.80	18.40	32.80	20.50	ND	0.96	45.80	ND	ND	ND	ND
Fri./Sat.	17/04/2024	TC636624000002910F	26.06	80.40	28.20	26.70	13.90	ND	0.97	51.80	ND	ND	ND	ND
Tue./Wed.	19/04/2024	TC636624000002976F	22.64	66.30	26.60	30.60	25.50	ND	0.88	37.90	ND	ND	ND	ND
Fri./Sat.	26/04/2024	TC636624000003155F	29.48	75.10	14.50	24.50	12.80	ND	1.04	47.50	ND	ND	ND	ND
Mon./Tue.	29/04/2024	TC636624000003179F	27.35	76.26	19.20	27.30	22.30	ND	0.96	44.20	ND	ND	ND	ND
No. of Observation			9	9	9	9	9	9	9	9	9	9	9	9
Minimum			22.64	66.30	14.50	18.60	12.80	-	0.88	36.40	-	-	-	-
Maximum			33.76	80.40	28.30	32.80	25.50	-	1.18	51.80	-	-	-	-
Average			28.15	74.90	21.39	26.31	18.71	-	1.00	44.49	-	-	-	-
98 th Percentile			33.28	80.05	28.28	32.45	24.99	-	1.16	51.37	-	-	-	-
NAAQM Standards			60	100	80	80	100	1	2	400	20	6	1	5
Test Method			40CFR Appendix Part 53	IS:5182 (P-23)	IS:5182 (P-2)	IS:5182 (P-6)	IS:5182 (P-9)	NL/SOP/ AAQ-11	IS:5182 (P-10)	Method of Air Sampling & Analysis	NL/SOP/ AAQ-13	NL/SOP/ AAQ-12	IS:5182 (P-12)	IS:5182 (P-11)

Remark: *NAAQS: National Ambient Air Quality Standards: Schedule-VI (Part-I) (P-1) (P-2) (P-3) (P-4) (P-5) (P-6) (P-7) (P-8) (P-9) (P-10) (P-11) (P-12) (P-13) (P-14) (P-15) (P-16) (P-17) (P-18) (P-19) (P-20) (P-21) (P-22) (P-23) (P-24) (P-25) (P-26) (P-27) (P-28) (P-29) (P-30) (P-31) (P-32) (P-33) (P-34) (P-35) (P-36) (P-37) (P-38) (P-39) (P-40) (P-41) (P-42) (P-43) (P-44) (P-45) (P-46) (P-47) (P-48) (P-49) (P-50) (P-51) (P-52) (P-53) (P-54) (P-55) (P-56) (P-57) (P-58) (P-59) (P-60) (P-61) (P-62) (P-63) (P-64) (P-65) (P-66) (P-67) (P-68) (P-69) (P-70) (P-71) (P-72) (P-73) (P-74) (P-75) (P-76) (P-77) (P-78) (P-79) (P-80) (P-81) (P-82) (P-83) (P-84) (P-85) (P-86) (P-87) (P-88) (P-89) (P-90) (P-91) (P-92) (P-93) (P-94) (P-95) (P-96) (P-97) (P-98) (P-99) (P-100) (P-101) (P-102) (P-103) (P-104) (P-105) (P-106) (P-107) (P-108) (P-109) (P-110) (P-111) (P-112) (P-113) (P-114) (P-115) (P-116) (P-117) (P-118) (P-119) (P-120) (P-121) (P-122) (P-123) (P-124) (P-125) (P-126) (P-127) (P-128) (P-129) 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Table: 5 Period of Monitoring: April 2024

Day	Date of Sampling	ULR No	Concentration of Pollutants											
			Particulate Matter (PM _{2.5}) µg/m ³	Particulate Matter (PM ₁₀) µg/m ³	Sulphur Dioxide (as SO ₂) µg/m ³	Nitrogen Dioxide (as NO ₂) ug/m ³	Ozone (as O ₃) ug/m ³	Lead (as Pb ¹) µg/ m ³	Carbon Monoxide (as CO) mg/m ³	Ammonia (as NH ₃) ug/m ³	Nickel (as Ni ²) ng/m ³	Arsenic (as As ³) ng/m ³	Benzo (a) pyrene (as BAP ⁴) ng/m ³	Benzene (C ₆ H ₆) ug/m ³
Tue./Wed.	02/04/2024	TC636624000002725F	20.51	75.20	15.50	18.10	18.60	ND	0.74	44.60	ND	ND	ND	ND
Thu./Fri.	05/04/2024	TC636624000002754F	23.50	57.60	20.50	27.40	19.20	ND	1.03	42.20	ND	ND	ND	ND
Tue./Wed.	09/04/2024	TC636624000002813F	18.37	67.40	14.90	17.70	20.30	ND	1.32	29.50	ND	ND	ND	ND
Fri./Sat.	12/04/2024	TC636624000002825F	30.34	77.10	16.70	19.10	15.90	ND	1.12	41.80	ND	ND	ND	ND
Tue./Wed.	15/04/2024	TC636624000002871F	25.21	61.30	21.60	29.40	14.60	ND	1.03	45.10	ND	ND	ND	ND
Fri./Sat.	17/04/2024	TC636624000002911F	26.92	57.90	28.30	32.60	21.20	ND	0.90	32.80	ND	ND	ND	ND
Tue./Wed.	19/04/2024	TC636624000002977F	27.77	68.20	16.10	29.10	15.80	ND	1.06	41.10	ND	ND	ND	ND
Fri./Sat.	26/04/2024	TC636624000003156F	18.37	67.50	17.20	20.50	22.90	ND	0.94	36.70	ND	ND	ND	ND
Mon./Tue.	29/04/2024	TC636624000003180F	25.21	70.20	18.20	21.10	20.10	ND	1.07	37.80	ND	ND	ND	ND
No. of Observation			9	9	9	9	9	9	9	9	9	9	9	9
Minimum			18.37	57.60	14.90	17.70	14.60	-	0.74	29.50	-	-	-	-
Maximum			30.34	77.10	28.30	32.60	22.90	-	1.32	45.10	-	-	-	-
Average			24.02	66.93	18.78	23.89	18.73	-	1.02	39.07	-	-	-	-
98 th Percentile			29.93	76.80	27.23	32.09	22.63	-	1.29	45.02	-	-	-	-
NAAQM Standards			60	100	80	80	100	1	2	400	20	6	1	5
Test Method			40CFR Appendix L Part 53 CPCB Guidelines	IS:5182 (P-23)	IS:5182 (P-2)	IS:5182 (P-6)	IS:5182 (P-9)	NL/SOP/AAQ-11	IS:5182 (P-10)	Method of Air Sampling & Analysis	NL/SOP/AAQ-13	NL/SOP/AAQ-12	IS:5182 (P-12)	IS:5182 (P-11)

Remark:

* NAAQS: National Ambient Air Quality Standards, Schedule IV, Part-II, Sec-3 (i) 16.11.2009. * Performed at 43, Sector-1A Ex., Bhalla Enclave, Channihimmat, Jammu, J&K (UT) of NITYA Labs. Sample Analysed within Five days after Receipt.
* ND-Not Detected, *Arsenic-ND[DL- 0.5], *Benzene-ND[DL- 0.5], *Lead-ND[DL- 0.5], *Nickel-ND[DL- 1.0]



(AUTHORISED SIGNATORY)
(RAVINDER MITTAL)

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Table: 6 Period of Monitoring: April 2024

Location: Township Market Complex

Day	Date of Sampling	ULR No	Concentration of Pollutants											
			Particulate Matter (PM2.5) µg/m3	Particulate Matter (PM10) µg/m3	Sulphur Dioxide (as SO2) µg/m3	Nitrogen Dioxide (as NO2) µg/m3	Ozone (as O3) µg/ m3	Lead (as Pb1) µg/ m3	Carbon Monoxide (as CO) mg/m3	Ammonia (as NH3) µg/m3	Nickel (as Ni2) ng/m³	Arsenic (as As³) ng/m3	Benzo (a) pyrene (as BAP⁴) ng/m³	Benzene (C6H6⁵) ug/m3
Fri./Sat.	12/04/2024	TC636624000002826F	32.05	46.50	12.90	15.80	18.90	ND	0.92	43.20	ND	ND	ND	ND
Tue./Wed.	15/04/2024	TC636624000002872F	30.34	54.80	11.80	30.20	19.10	ND	1.03	29.10	ND	ND	ND	ND
Fri./Sat.	17/04/2024	TC636624000002912F	25.21	45.60	23.20	33.60	14.20	ND	1.35	27.50	ND	ND	ND	ND
Tue./Wed.	19/04/2024	TC636624000002978F	19.65	55.20	29.60	35.10	17.40	ND	0.72	39.60	ND	ND	ND	ND
Fri./Sat.	26/04/2024	TC636624000003157F	21.36	51.30	25.50	15.70	16.20	ND	0.81	44.50	ND	ND	ND	ND
Mon./Tue.	29/04/2024	TC636624000003181F	31.19	53.10	15.10	23.40	17.10	ND	1.05	47.20	ND	ND	ND	ND
No. of Observation			6	6	6	6	6	6	6	6	6	6	6	6
Minimum			19.65	45.60	11.80	15.70	14.20	-	0.72	27.50	-	-	-	-
Maximum			32.05	55.20	29.60	35.10	19.10	-	1.35	47.20	-	-	-	-
Average			26.63	51.08	19.68	25.63	17.15	-	0.98	38.52	-	-	-	-
98 th Percentile			31.96	55.16	29.19	34.95	19.08	-	1.32	46.93	-	-	-	-
NAAQM Standards			60	100	80	80	100	1	2	400	20	6	1	5
Test Method		40CFR Appendix L Part 53 CPCB Guidelines	IS:5182 (P-23)	IS:5182 (P-2)	IS:5182 (P-6)	IS:5182 (P-9)	NL/SOP/ AAQ-11	IS:5182 (P-10)	Method of Air Sampling & Analysis	NL/SOP/ AAQ-13	NL/SOP/ AAQ-12	IS:5182 (P-11)	IS:5182 (P-12)	IS:5182 (P-11)

Remark:

* NAAQS: National Ambient Air Quality Standards: Schedule-VII, (Rule 3 (3B)), Part-I-sec-3(0) 16.11.2009. *Performed at '43, Sector-1A Exd., Bhalla Enclave, Channihimmat, Jammu, J&K (UT) of NITYA Labs, Sample Analysed within Five days after Receipt.
* ND-Not Detected, *Arsenic-ND[DL- 0.5], *BAP-ND[DL- 0.5], *Benzene-ND[DL- 0.5], *Lead-ND[DL- 0.5], *Nickel-ND[DL- 1.0]



TC-6366



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Table: 10 Period of Monitoring: April 2024

Day	Date of Sampling	ULR No	Concentration of Pollutants											
			Particulate Matter (PM2.5) µg/m3	Particulate Matter (PM10) µg/m3	Sulphur Dioxide (as SO2) µg/m3	Nitrogen Dioxide (as NO2) µg/m3	Ozone (as O3) µg/m3	Lead (as Pb ¹) µg/ m3	Carbon Monoxide (as CO) mg/m3	Ammonia (as NH3) ug/m3	Nickel (as Ni ³) ng/m ³	Arsenic (as As ³) ng/m3	Benzo (a) pyrene (as BAP ⁴) ng/m ³	Benzene (C6H6 ⁵) ug/m3
Tue./Wed.	02/04/2024	TC636624000002726F	30.34	58.90	27.60	20.10	25.40	ND	0.97	26.70	ND	ND	ND	ND
Thu./Fri.	05/04/2024	TC636624000002755F	19.23	72.20	19.60	35.20	20.50	ND	1.09	38.40	ND	ND	ND	ND
Tue./Wed.	09/04/2024	TC636624000002814F	21.79	75.10	18.40	21.40	17.80	ND	0.95	42.10	ND	ND	ND	ND
Fri./Sat.	12/04/2024	TC636624000002827F	23.50	77.40	16.60	22.10	23.50	ND	0.88	34.10	ND	ND	ND	ND
Tue./Wed.	15/04/2024	TC636624000002873F	36.32	73.20	31.50	37.60	33.10	ND	1.07	21.80	ND	ND	ND	ND
Fri./Sat.	17/04/2024	TC636624000002913F	38.88	74.10	30.40	38.20	32.60	ND	0.98	37.40	ND	ND	ND	ND
Tue./Wed.	19/04/2024	TC636624000002979F	24.78	71.10	21.80	19.80	19.90	ND	0.93	29.60	ND	ND	ND	ND
Fri./Sat.	26/04/2024	TC636624000003158F	27.35	62.60	24.40	22.60	18.10	ND	0.80	32.90	ND	ND	ND	ND
Mon./Tue.	29/04/2024	TC636624000003182F	28.63	67.20	31.50	20.40	28.30	ND	0.96	31.60	ND	ND	ND	ND
No. of Observation			9	9	9	9	9	9	9	9	9	9	9	9
Minimum			19.23	58.90	16.60	19.80	17.80	-	0.80	21.80	-	-	-	-
Maximum			38.88	77.40	31.50	38.20	33.10	-	1.09	42.10	-	-	-	-
Average			27.87	70.20	24.64	26.38	24.36	-	0.96	32.73	-	-	-	-
98 th Percentile			38.47	77.03	31.50	38.10	33.02	-	1.09	41.51	-	-	-	-
NAAQM Standards			60	100	80	80	100	1	2	400	20	6	1	5
Test Method		40CFR Appendix L Part 53 C PCB Guidelines	IS:5182 (P-23)	IS:5182 (P-2)	IS:5182 (P-6)	IS:5182 (P-9)	NL/SOP/ AAQ-11	IS:5182 (P-10)	Method of Air Sampling & Analysis	NL/SOP/ AAQ-13	NL/SOP/A AQ-12	IS:5182 (P-12)	IS:5182 (P-11)	

Remark:

* NAAQS: National Ambient Air Quality Standards, Schedule VII, (Rule 134B) (Part-II-sec-3(i)) 16.11.2009, *Performed at *43, Sector-1A Ext., Bhalla Enclave, Channihimmat, Jammu, J&K (UT) of NITYA Labs, Sample Analysed within Five days after Receipt.

* ND=Not Detected, *Arsenic=ND(DL- 0.5), *BAP=ND(DL- 0.5), *Benzene=ND(DL- 0.5), *Lead=ND(DL- 0.5), *Nickel=ND(DL- 1.0)



TC-6366

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Table: 4 Period of Monitoring: May 2024

Day	Date of Sampling	ULR No	Concentration of Pollutants											
			Particulate Matter (PM2.5) µg/m3	Particulate Matter (PM10) µg/m3	Sulphur Dioxide (as SO2) µg/m3	Nitrogen Dioxide (as NO2) ug/m3	Ozone (as O3) ug/m3	Lead (as Pb ¹) µg/ m3	Carbon Monoxide (as CO) mg/m3	Ammonia (as NH3) ug/m3	Nickel (as Ni ³) ng/m ³	Arsenic (as As ³) ng/m3	Benzo (a) pyrene (as BAP ⁴) ng/m ³	Benzene (C6H6 ⁵) ug/m3
Fri./Sat.	03/05/2024	TC6366240000003279F	32.60	82.60	14.62	26.41	22.16	ND	1.16	48.24	ND	ND	ND	ND
Tue./Wed.	07/05/2024	TC6366240000003327F	34.18	88.28	19.42	32.14	20.18	ND	1.14	44.42	ND	ND	ND	ND
Fri./Sat.	10/05/2024	TC6366240000003408F	31.62	86.14	16.24	28.40	24.22	ND	0.98	42.18	ND	ND	ND	ND
Tue./Wed.	14/05/2024	TC6366240000003484F	36.16	80.46	20.26	24.82	26.18	ND	1.08	45.14	ND	ND	ND	ND
Fri./Sat.	17/05/2024	TC6366240000003592F	34.22	82.66	18.24	30.42	21.82	ND	1.08	41.62	ND	ND	ND	ND
Tue./Wed.	21/05/2024	TC6366240000003715F	36.20	84.18	16.36	26.48	24.15	ND	1.12	44.86	ND	ND	ND	ND
Fri./Sat.	24/05/2024	TC6366240000003818F	34.64	86.62	22.66	36.84	22.18	ND	1.11	40.58	ND	ND	ND	ND
Tue./Wed.	27/05/2024	TC6366240000003881F	32.81	80.14	18.24	28.14	20.84	ND	1.14	44.80	ND	ND	ND	ND
Thu. /Fri.	30/05/2024	TC6366240000004012F	35.64	84.26	20.84	26.22	24.64	ND	1.12	42.82	ND	ND	ND	ND
No. of Observation			9	9	9	9	9	9	9	9	9	9	9	9
Minimum			31.62	80.14	14.62	24.82	20.18	-	0.98	40.58	-	-	-	-
Maximum			36.20	88.28	22.66	36.84	26.18	-	1.16	46.24	-	-	-	-
Average			34.17	83.97	18.54	29.23	22.97	-	1.09	43.57	-	-	-	-
98 th Percentile			36.20	88.28	22.66	36.84	26.18	-	1.16	46.24	-	-	-	-
NAAQM Standards			60	100	80	80	100	1	2	400	20	6	1	5
Test Method			40CFR Appendix L Part 53 CPCB Guidelines	IS:5182 (P-23)	IS:5182 (P-2)	IS:5182 (P-6)	IS:5182 (P-9)	NL/SOP/ AAQ-11	IS:5182 (P-10)	Method of Air Sampling g & Analysis	NL/SOP/ AAQ-13	NL/SOP/ AAQ-12	IS:5182 (P-12)	IS:5182 (P-11)

Remark: *NAAQS: National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(b)] 16.11.2009. *Performed at 43, Sector-1A Ext., Bralia Endave, ChurniHimmat, Jangpura, New Delhi-110014, NITYA Labs, Sample Analysed within Five days after Receipt.

*ND-Not Detected, *Arsenic-ND(DL- 0.5), *BAP-ND(DL- 0.5), *Benzene-ND(DL- 0.5), *Lead-ND(DL- 0.5), *Nickel-ND(DL- 1.0)



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Table: 5 Period of Monitoring: May 2024

Day	Date of Sampling	ULR No	Concentration of Pollutants											
			Particulate Matter (PM2.5) µg/m3	Particulate Matter (PM10) µg/m3	Sulphur Dioxide (as SO2) µg/m3	Nitrogen Dioxide (as NO2) ug/m3	Ozone (as O3) ug/m3	Lead (as Pb ¹) µg/ m3	Carbon Monoxide (as CO) mg/m3	Ammonia (as NH3) ug/m3	Nickel (as Ni ²) ng/m ³	Arsenic (as As ³) ng/m3	Benzo (a) pyrene (as BAP ⁴) ng/m ³	Benzene (C6H6 ⁵) ug/m3
Fri./Sat.	03/05/2024	TC636624000003280F	36.18	80.42	21.40	34.26	22.88	ND	1.12	44.32	ND	ND	ND	ND
Tue./Wed.	07/05/2024	TC636624000003328F	34.62	78.14	19.62	28.18	21.48	ND	1.04	42.76	ND	ND	ND	ND
Fri./Sat.	10/05/2024	TC636624000003409F	32.14	76.48	22.48	30.22	20.26	ND	1.14	40.82	ND	ND	ND	ND
Tue./Wed.	14/05/2024	TC636624000003485F	35.64	82.18	21.46	33.16	19.84	ND	1.12	44.22	ND	ND	ND	ND
Fri./Sat.	17/05/2024	TC636624000003593F	30.18	78.64	19.17	30.82	20.62	ND	1.11	38.68	ND	ND	ND	ND
Tue./Wed.	21/05/2024	TC636624000003716F	34.10	81.14	16.88	26.16	22.84	ND	1.06	41.68	ND	ND	ND	ND
Fri./Sat.	24/05/2024	TC636624000003819F	36.24	80.42	21.40	30.94	24.48	ND	1.12	46.42	ND	ND	ND	ND
Tue./Wed.	27/05/2024	TC636624000003882F	33.16	78.46	19.84	32.14	20.82	ND	1.04	40.28	ND	ND	ND	ND
Thu. /Fri.	30/05/2024	TC636624000004013F	34.28	82.94	22.62	30.48	24.48	ND	1.12	42.60	ND	ND	ND	ND
No. of Observation			9	9	9	9	9	9	9	9	9	9	9	9
Minimum			30.18	76.48	16.88	26.16	19.84	-	1.04	38.68	-	-	-	-
Maximum			36.24	82.94	22.62	34.26	24.48	-	1.14	46.42	-	-	-	-
Average			33.90	79.84	20.39	30.61	22.00	-	1.09	42.44	-	-	-	-
98 th Percentile			36.24	82.94	22.62	34.26	24.48	-	1.14	46.42	-	-	-	-
NAAQM Standards			60	100	80	80	100	1	2	400	20	6	1	5
Test Method			40CFR Appendix L Part 53 CPCB Guidelines	IS:5182 (P-23)	IS:5182 (P-2)	IS:5182 (P-6)	IS:5182 2 (P-9)	NL/SOP/AAQ-11	IS:5182 (P-10)	Method of Air Sampling & Analysis	NL/SOP/AAQ-13	NL/SOP/AAQ-12	IS:5182 (P-12)	IS:5182 (P-11)

Remark:

* NAAQS: National Ambient Air Quality Standards: Schedule-VI, (Rule 3 (3B)) (Part-II sec-300) 16.11.2009. * Performed at '43, Sector-1A Ed., Bhilai Refinery, Channihimmat, Jammu, J&K (UT) of NITYA Labs. Sample Analysed within Five days after Receipt.
* ND=Not Detected, *Arsenic=ND[DL: 0.5], *BAP=ND[DL: 0.5], *Benzene=ND[DL: 0.5], *Lead=ND[DL: 0.5], *Nickel=ND[DL: 1.0]



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Table: 6 Period of Monitoring: May 2024

Day	Date of Sampling	ULR No	Concentration of Pollutants											
			Particulate Matter (PM2.5) µg/m3	Particulate Matter (PM10) µg/m3	Sulphur Dioxide (as SO2) µg/m3	Nitrogen Dioxide (as NO2) µg/m3	Ozone (as O3) µg/m3	Lead (as Pb ¹) µg/m3	Carbon Monoxide (as CO) mg/m3	Ammonia (as NH3) µg/m3	Nickel (as Ni ²) ng/m ³	Arsenic (as As ³) ng/m3	Benzo (a) pyrene (as BAP ⁴) ng/m ³	Benzene (C6H6 ⁵) ug/m3
Fri./Sat.	03/05/2024	TC636624000003281F	30.12	78.62	20.86	32.64	24.16	ND	1.10	40.62	ND	ND	ND	ND
Tue./Wed.	07/05/2024	TC636624000003329F	26.42	74.24	22.24	30.48	21.86	ND	1.02	36.42	ND	ND	ND	ND
Fri./Sat.	10/05/2024	TC636624000003410F	32.14	76.82	26.48	28.94	20.68	ND	1.04	38.14	ND	ND	ND	ND
Tue./Wed.	14/05/2024	TC636624000003486F	28.46	80.16	24.12	31.68	22.40	ND	1.08	36.12	ND	ND	ND	ND
Fri./Sat.	17/05/2024	TC636624000003594F	25.82	76.20	19.76	34.62	21.84	ND	1.16	32.82	ND	ND	ND	ND
Tue./Wed.	21/05/2024	TC636624000003717F	32.40	78.12	22.38	32.18	20.86	ND	1.12	35.48	ND	ND	ND	ND
Fri./Sat.	24/05/2024	TC636624000003820F	30.18	76.82	20.26	36.62	22.46	ND	1.08	38.48	ND	ND	ND	ND
Tue./Wed.	27/05/2024	TC636624000003883F	28.82	81.72	23.86	34.28	24.92	ND	1.14	34.22	ND	ND	ND	ND
Thu./Fri.	30/05/2024	TC636624000004014F	32.82	78.94	21.48	32.80	21.84	ND	1.12	36.14	ND	ND	ND	ND
No. of Observation			6	6	9	9	9	9	9	9	9	9	9	9
Minimum			25.82	74.24	19.76	28.94	20.68	-	1.02	32.82	-	-	-	-
Maximum			32.82	81.72	26.48	36.62	24.92	-	1.16	40.62	-	-	-	-
Average			29.62	77.96	22.51	32.70	22.42	-	1.09	36.53	-	-	-	-
98 th Percentile			32.82	81.72	26.48	36.62	24.92	-	1.16	40.62	-	-	-	-
NAAQM Standards			60	100	80	80	100	1	2	400	20	6	1	5
Test Method		40CFR Appendix L Part 53 CPCB Guidelines	IS:5182 (P-23)	IS:5182 (P-2)	IS:5182 (P-6)	IS:5182 (P-9)	NL/SOP/AAQ-11	IS:5182 (P-10)	Method of Air Sampling & Analysis	NL/SOP/AAQ-12	IS:5182 (P-11)	IS:5182 (P-12)	IS:5182 (P-13)	IS:5182 (P-14)

Remark:

- * NAAQS: National Ambient Air Quality Standards, Schedule-VI, [Rule 3 (B)], Part-II-sec-3(0) 15.11.2009, *Performed at *3, Sector-1A Ext., Bhalla Enclave, Chhatrapati, Jammu, J&K (UT) of NITYA Labs. Sample Analysed within Five days after Receipt.
- * ND-Not Detected, *Arsenic-ND[DL- 0.5], *BAP-ND[DL- 0.5], *Benzene-ND[DL- 0.5], *Lead-ND[DL- 0.5], *Nickel-ND[DL- 1.0]



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Table: 10 Period of Monitoring: May 2024

Day	Date of Sampling	ULR No	Concentration of Pollutants											
			Particulate Matter (PM2.5) µg/m3	Particulate Matter (PM10) µg/m3	Sulphur Dioxide (as SO2) µg/m3	Nitrogen Dioxide (as NO2) ug/m3	Ozone (as O3) ug/m3	Lead (as Pb ¹) µg/ m3	Carbon Monoxide (as CO) mg/m3	Ammonia (as NH3) ug/m3	Nickel (as Ni ²) ng/m ³	Arsenic (as As ¹) ng/m3	Benzo (a) pyrene (as BAP ⁴) ng/m ³	Benzene (C6H6 ⁵) ug/m3
Fri./Sat.	03/05/2024	TC636624000003282F	32.82	82.44	20.82	28.64	26.14	ND	1.12	38.20	ND	ND	ND	ND
Tue./Wed.	07/05/2024	TC636624000003330F	28.40	76.24	18.62	24.14	23.28	ND	1.28	36.14	ND	ND	ND	ND
Fri./Sat.	10/05/2024	TC636624000003411F	26.62	77.92	21.48	26.48	21.62	ND	0.98	34.36	ND	ND	ND	ND
Tue./Wed.	14/05/2024	TC636624000003487F	30.42	81.72	24.24	30.64	24.18	ND	1.02	37.80	ND	ND	ND	ND
Fri./Sat.	17/05/2024	TC636624000003595F	32.14	78.72	22.64	28.22	20.24	ND	0.97	33.14	ND	ND	ND	ND
Tue./Wed.	21/05/2024	TC636624000003718F	26.84	74.86	23.94	31.16	28.10	ND	1.04	35.24	ND	ND	ND	ND
Fri./Sat.	24/05/2024	TC636624000003821F	31.92	76.82	20.26	32.62	23.14	ND	1.14	32.38	ND	ND	ND	ND
Tue./Wed.	27/05/2024	TC636624000003884F	28.61	78.46	24.68	30.28	21.48	ND	1.02	36.42	ND	ND	ND	ND
Thu./Fri.	30/05/2024	TC636624000004015F	30.82	80.58	22.40	34.42	24.26	ND	1.04	34.68	ND	ND	ND	ND
No. of Observation			9	9	9	9	9	9	9	9	9	9	9	9
Minimum			26.62	74.86	18.62	24.14	20.24	-	0.97	32.38	-	-	-	-
Maximum			32.82	82.44	24.68	34.42	26.14	-	1.28	38.20	-	-	-	-
Average			29.82	78.64	22.03	29.56	23.34	-	1.07	35.35	-	-	-	-
98 th Percentile			32.82	82.44	24.68	34.42	26.14	-	1.28	38.20	-	-	-	-
NAAQM Standards			60	100	80	80	100	1	2	400	20	6	1	5
Test Method		40CFR Appendix L Part 53 CPCL Guidelines	IS:5182 (P-23)	IS:5182 (P-2)	IS:5182 (P-6)	IS:5182 (P-9)	NL/SOP/AAQ-11	IS:5182 (P-10)	Method of Air Sampling & Analysis	NL/SOP/AAQ-13	NL/SOP/AAQ-12	IS:5182 (P-12)	IS:5182 (P-11)	

Remark:

- * NAAQS: National Ambient Air Quality Standards, Schedule-VI, [Rule 3 (3B)], [Part-II, sec-3(3)] 16.11.2009, *Performed at '43, Sector-1A Ext., Bhalla Enclave, Changi-Himmat, Jammu, J&K (UT) of NITYA Labs. Sample Analysed within Five days after Receipt.
- * ND-Not Detected, *Arsenic-ND[DL-0.5], *BAP-ND[DL-0.5], *Benzene-ND[DL-0.5], *Lead-ND[DL-0.5], *Nickel-ND[DL-1.0]



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Table: 4 Period of Monitoring: June 2024

Day	Date of Sampling	ULR No	Concentration of Pollutants											
			Particulate Matter (PM2.5) µg/m3	Particulate Matter (PM10) µg/m3	Sulphur Dioxide (as SO2) µg/m3	Nitrogen Dioxide (as NO2) ug/m3	Ozone (as O3) ug/m3	Lead (as Pb ¹) µg/ m3	Carbon Monoxide (as CO) mg/m3	Ammonia (as NH3) ug/m3	Nickel (as Ni ²) ng/m ³	Arsenic (as As ³) ng/m3	Benzo (a) pyrene (as BAP ⁴) ng/m ³	Benzene (C6H6 ⁵) ug/m3
Mon./Tue.	03/06/2024	TC636624000004080F	34.18	84.16	16.24	28.42	24.62	ND	1.18	44.28	ND	ND	ND	ND
Fri./Sat.	07/06/2024	TC636624000004130F	36.88	90.14	20.10	30.68	28.82	ND	1.01	42.10	ND	ND	ND	ND
Tue./Wed.	11/06/2024	TC636624000004210F	35.12	86.68	18.46	26.24	26.52	ND	0.96	46.42	ND	ND	ND	ND
Fri./Sat.	14/06/2024	TC636624000004306F	39.42	82.82	23.14	30.81	22.10	ND	1.04	41.82	ND	ND	ND	ND
Tue./Wed.	18/06/2024	TC636624000004340F	34.16	87.42	21.72	32.18	24.86	ND	1.02	40.50	ND	ND	ND	ND
Fri./Sat.	21/06/2024	TC636624000004480F	35.14	80.68	18.63	28.14	22.92	ND	1.12	46.48	ND	ND	ND	ND
Tue./Wed.	25/06/2024	TC636624000004616F	32.28	88.10	20.72	30.96	26.40	ND	1.17	41.72	ND	ND	ND	ND
Fri./Sat.	28/06/2024	TC636624000004741F	36.64	85.32	18.96	26.44	21.26	ND	1.08	42.88	ND	ND	ND	ND
No. of Observation			8	8	8	8	8	8	8	8	8	8	8	8
Minimum			32.28	80.68	16.24	26.24	21.26	-	0.96	40.5	-	-	-	-
Maximum			39.42	90.14	23.14	32.18	28.82	-	1.18	46.48	-	-	-	-
Average			35.55	85.61	19.74	29.23	24.76	-	1.07	43.32	-	-	-	-
98 th Percentile			39.42	90.14	23.14	32.18	32.18	-	1.18	46.48	-	-	-	-
NAAQM Standards			60	100	80	80	100	1	2	400	20	6	1	5
Test Method			40CFR Appendix L Part 53 CPCB Guidelines	IS:5182 (P-23)	IS:5182 (P-2)	IS:5182 (P-6)	IS:5182 (P-9)	NL/SOP/ AAQ-11	IS:5182 (P-10)	Method of Air Sampling & Analysis	NL/SOP/ AAQ-13	IS:5182 (P-12)	IS:5182 (P-11)	

Remark: *NAAQS: National Ambient Air Quality Standards; Schedule-VII, (Rule 3 (3B)), (Part-I)-sec-3(i) (5.11.2009, *Performed at *43, Sector-1A Ex., Bhilai, Bhilai Nagar, Odisha. *Lead-NI(DL-0.5), *Benzene-NI(DL-0.5), *Arsenic-NI(DL-0.5), *Nickel-NI(DL-1.0) *ND-Not Detected, *Arsenic-NI(DL-0.5), *BAP-NI(DL-0.5), *Benzene-NI(DL-0.5), *Nickel-NI(DL-1.0)



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Table: 5 Period of Monitoring: June 2024

Location: Secured Landfill Area

Day	Date of Sampling	ULR No	Concentration of Pollutants											
			Particulate Matter (PM2.5) µg/m3	Particulate Matter (PM10) µg/m3	Sulphur Dioxide (as SO2) µg/m3	Nitrogen Dioxide (as NO2) ug/m3	Ozone (as O3) ug/m3	Lead (as Pb ¹) µg/ m3	Carbon Monoxide (as CO) mg/m3	Ammonia (as NH3) ug/m3	Nickel (as Ni ²) ng/m ³	Arsenic (as As ³) ng/m3	Benzo (a) pyrene (as BAP ⁴) ng/m ³	Benzene (C6H6 ⁵) ug/m3
Mon./Tue.	03/06/2024	TC636624000004081F	35.18	76.42	18.60	32.66	20.90	ND	1.12	40.48	ND	ND	ND	ND
Fri./Sat.	07/06/2024	TC636624000004131F	32.42	78.44	20.44	30.42	24.64	ND	1.08	41.68	ND	ND	ND	ND
Tue./Wed.	11/06/2024	TC636624000004211F	30.16	80.92	21.92	28.48	24.84	ND	1.18	42.42	ND	ND	ND	ND
Fri./Sat.	14/06/2024	TC636624000004307F	34.86	76.24	17.88	30.82	22.66	ND	1.12	45.92	ND	ND	ND	ND
Tue./Wed.	18/06/2024	TC636624000004341F	31.42	74.86	22.68	27.46	24.86	ND	1.16	43.82	ND	ND	ND	ND
Fri./Sat.	21/06/2024	TC636624000004481F	35.64	80.88	18.40	30.88	20.18	ND	1.02	40.58	ND	ND	ND	ND
Tue./Wed.	25/06/2024	TC636624000004617F	32.88	72.86	21.44	32.40	22.82	ND	1.14	44.68	ND	ND	ND	ND
Fri./Sat.	28/06/2024	TC636624000004742F	34.64	74.16	20.92	30.16	21.84	ND	1.11	42.96	ND	ND	ND	ND
No. of Observation			8	8	8	8	8	8	8	8	8	8	8	8
Minimum			30.16	72.86	17.88	27.46	20.18	-	1.02	40.48	-	-	-	-
Maximum			35.64	80.92	22.68	32.66	24.86	-	1.18	45.92	-	-	-	-
Average			33.3	76.86	20.28	30.34	22.78	-	1.11	42.89	-	-	-	-
98 th Percentile			35.64	80.92	22.68	32.66	24.86	-	1.18	45.92	-	-	-	-
NAAQM Standards			60	100	80	80	100	1	2	400	20	6	1	5
Test Method			40CFR Appendix L Part 53 C PCB Guidelines	IS:5182 (P-23)	IS:5182 (P-2)	IS:5182 (P-6)	IS:5182 2 (P-9)	NL/SOP/ AAQ-11	IS:5182 (P-10)	Method of Air Sampling g & Analysis	NL/SOP/ AAQ-13	NL/SOP/ AAQ-12	IS:5182 (P-12)	IS:5182 (P-11)

Remark:

* NAAQS: National Ambient Air Quality Standards, Schedule-VII, [Rule 3 (39)] (Part-I-sec-30) 16.11.2009. * Performed at *43, Sector-14, Enclave, Chann-Himmat, Jammu, J&K (UT) of NITYA Labs, Sample Analysed within Five days after Receipt.
 * ND-Not Detected, *Arsenic-ND(DL- 0.5), *BAP-ND(DL- 0.5), *Benzene-ND(DL- 0.5), *Lead-ND(DL- 1.0)



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Table: 6 Period of Monitoring: June 2024

Day	Date of Sampling	ULR No	Concentration of Pollutants											
			Particulate Matter (PM2.5) µg/m3	Particulate Matter (PM10) µg/m3	Sulphur Dioxide (as SO2) µg/m3	Nitrogen Dioxide (as NO2) µg/m3	Ozone (as O3) µg/m3	Lead (as Pb ¹) µg/ m3	Carbon Monoxide (as CO) mg/m3	Ammonia (as NH3) µg/m3	Nickel (as Ni ²) ng/m ³	Arsenic (as As ³) ng/m3	Benzo (a) pyrene (as BAP ⁴) ng/m ³	Benzene (C6H6 ⁵) ug/m3
Mon./Tue.	03/06/2024	TC636624000004082F	26.48	74.18	19.40	30.24	20.41	ND	1.12	38.92	ND	ND	ND	
Fri./Sat.	07/06/2024	TC636624000004132F	28.82	72.93	21.08	28.60	22.62	ND	1.08	32.14	ND	ND	ND	
Tue./Wed.	11/06/2024	TC636624000004212F	30.44	75.46	17.68	26.42	19.44	ND	1.02	36.58	ND	ND	ND	
Fri./Sat.	14/06/2024	TC636624000004308F	32.92	74.80	20.82	32.10	20.26	ND	1.06	32.42	ND	ND	ND	
Tue./Wed.	18/06/2024	TC636624000004342F	27.42	72.68	23.68	27.82	22.46	ND	1.14	35.42	ND	ND	ND	
Fri./Sat.	21/06/2024	TC636624000004482F	26.66	75.82	21.82	30.12	24.88	ND	1.22	36.40	ND	ND	ND	
Tue./Wed.	25/06/2024	TC636624000004618F	30.40	73.16	18.72	32.46	21.42	ND	1.42	32.48	ND	ND	ND	
Fri./Sat.	28/06/2024	TC636624000004743F	31.48	76.48	20.26	30.68	22.86	ND	1.16	36.26	ND	ND	ND	
No. of Observation			8	8	8	8	8	8	8	8	8	8	8	
Minimum			26.48	72.68	17.68	26.42	19.44	-	1.02	32.14	-	-	-	
Maximum			32.92	76.48	23.68	32.46	24.88	-	1.42	38.92	-	-	-	
Average			29.40	74.47	20.48	29.73	21.87	-	1.16	35.17	-	-	-	
98 th Percentile			32.92	76.48	23.68	32.46	24.88	-	1.42	38.92	-	-	-	
NAAQM Standards			60	100	80	80	100	1	2	400	20	6	1	5
Test Method			40CFR Appendix L Part 53 CPCB Guidelines	IS:5182 (P-23)	IS:5182 (P-2)	IS:5182 (P-6)	IS:5182 (P-9)	NL/SOP/AAQ-11	IS:5182 (P-10)	Method of Air Sampling & Analysis	NL/SOP/AAQ-13	NL/SOP/AAQ-12	IS:5182 (P-12)	IS:5182 (P-11)

Remark:

* NAAQS: National Ambient Air Quality Standards, Schedule-VII, [Rule 3 (3B)], [Part-II sec-3(0)] 16.11.2009, *Performed at *43, Sector-1A, Ex. Shilpa Sadana, Channihimmet, Jammu, J&K (UT) of NITYA Labs, Sample Analysed within Five days after Receipt
 * ND-Not Detected, *Arsenic-ND[DL- 0.5], *BAP-ND[DL- 0.5], *Benzene-ND[DL- 0.5], *Nickel-ND[DL- 1.0]



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Table: 10 Period of Monitoring: June 2024

Location: South Oil Jetty

Day	Date of Sampling	ULR No	Concentration of Pollutants											
			Particulate Matter (PM2.5) µg/m3	Particulate Matter (PM10) µg/m3	Sulphur Dioxide (as SO2) µg/m3	Nitrogen Dioxide (as NO2) ug/m3	Ozone (as O3) ug/m3	Lead (as Pb ¹) µg/ m3	Carbon Monoxide (as CO) mg/m3	Ammonia (as NH3) ug/m3	Nickel (as Ni ²) ng/m ³	Arsenic (as As ³) ng/m3	Benzo (a) pyrene (as BAP ⁴) ng/m ³	Benzene (C6H6) ug/m3
Mon./Tue.	03/06/2024	TC636624000004083F	30.48	80.18	22.68	30.68	21.42	ND	1.14	36.48	ND	ND	ND	ND
Fri./Sat.	07/06/2024	TC636624000004133F	26.92	74.26	20.10	28.44	22.68	ND	1.16	30.86	ND	ND	ND	ND
Tue./Wed.	11/06/2024	TC636624000004213F	28.72	76.14	24.28	31.42	20.52	ND	1.04	32.42	ND	ND	ND	ND
Fri./Sat.	14/06/2024	TC636624000004309F	29.48	78.28	21.42	34.62	22.60	ND	1.12	34.18	ND	ND	ND	ND
Tue./Wed.	18/06/2024	TC636624000004343F	27.68	76.82	20.38	30.82	19.58	ND	1.09	32.26	ND	ND	ND	ND
Fri./Sat.	21/06/2024	TC636624000004483F	26.42	75.44	22.42	29.40	21.82	ND	0.98	30.98	ND	ND	ND	ND
Tue./Wed.	25/06/2024	TC636624000004619F	31.80	78.86	19.86	32.58	20.66	ND	1.12	32.82	ND	ND	ND	ND
Fri./Sat.	28/06/2024	TC636624000004744F	29.48	75.12	20.28	31.60	18.28	ND	1.08	34.84	ND	ND	ND	ND
No. of Observation			8	8	8	8	8	8	8	8	8	8	8	8
Minimum			26.42	74.26	19.86	28.44	18.28	-	0.98	30.86	-	-	-	-
Maximum			31.8	80.18	24.28	34.62	22.68	-	1.16	36.48	-	-	-	-
Average			28.92	76.95	21.56	31.26	20.58	-	1.09	33.22	-	-	-	-
98 th Percentile			31.8	80.18	24.28	34.62	22.68	-	1.16	36.48	-	-	-	-
NAAQM Standards			60	100	80	80	100	1	2	400	20	6	1	5
Test Method		40CFR Appendix L Part 53 CPCB Guidelines	IS:5182 (P-23)	IS:5182 (P-2)	IS:5182 (P-6)	IS:5182 (P-9)	NL/SOP/ AAQ-11	IS:5182 (P-10)	Method of Air Sampling & Analysis	NL/SOP/ AAQ-13	NL/SOP/A AQ-12	IS:5182 (P-12)	IS:5182 (P-11)	

Remark:

* NAAQS: National Ambient Air Quality Standards, Schedule-VII, (Rule 3 (B)), (Part-II, sec-3(1)) 16.11.2009. * Performed at *43, Sector-1A, Exd. Road, Jammu, J&K (UT) of NITYA Labs. Sample Analysed within Five days after Receipt.
* ND-Not Detected, *Arsenic-ND[DL-0.5], *BAP-ND[DL-0.5], *Benzene-ND[DL-0.5], *Lead-ND[DL-0.5], *Nickel-ND[DL-1.0]



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Table: 4 Period of Monitoring: July 2024

Day	Date of Sampling	ULR No	Concentration of Pollutants											
			Particulate Matter (PM2.5) µg/m3	Particulate Matter (PM10) µg/m3	Sulphur Dioxide (as SO2) µg/m3	Nitrogen Dioxide (as NO2) ug/m3	Ozone (as O3) ug/m3	Lead (as Pb ¹) µg/ m3	Carbon Monoxide (as CO) mg/m3	Ammonia (as NH3) ug/m3	Nickel (as Ni ²) ng/m ³	Arsenic (as As ³) ng/m3	Benzo (a) pyrene (as BAP ⁴) ng/m ³	Benzene (C6H6 ⁵) ug/m3
Tues./Wed.	02/07/2024	TC636624000004771F	35.10	85.70	26.10	35.40	27.40	ND	1.50	56.20	ND	ND	ND	ND
Fri./Sat.	05/07/2024	TC636624000004842F	34.20	84.20	26.20	24.90	31.00	ND	1.43	66.40	ND	ND	ND	ND
Tues./Wed.	09/07/2024	TC636624000004882F	36.80	74.60	35.20	25.60	14.50	ND	1.10	36.40	ND	ND	ND	ND
Fri./Sat.	12/07/2024	TC636624000004961F	40.70	80.90	16.80	30.10	10.80	ND	1.28	50.20	ND	ND	ND	ND
Tues./Wed.	16/07/2024	TC636624000005010F	29.80	84.90	19.20	40.50	25.10	ND	1.12	60.20	ND	ND	ND	ND
Fri./Sat.	19/07/2024	TC636624000005156F	31.80	87.20	34.20	31.10	15.10	ND	1.06	67.20	ND	ND	ND	ND
Tues./Wed.	23/07/2024	TC636624000005247F	21.70	72.80	32.10	36.70	35.10	ND	0.80	45.20	ND	ND	ND	ND
Fri./Sat.	26/07/2024	TC636624000005326F	36.40	81.00	14.80	21.50	12.20	ND	1.27	65.10	ND	ND	ND	ND
No. of Observation			8	8	8	8	8	8	8	8	8	8	8	8
Minimum			21.70	72.80	14.80	21.50	10.80	-	0.80	36.40	-	-	-	-
Maximum			40.70	87.20	35.20	40.50	35.10	-	1.50	67.20	-	-	-	-
Average			33.31	81.41	26.57	30.72	21.40	-	1.19	55.86	-	-	-	-
98 th Percentile			40.70	87.20	35.20	40.50	35.10	-	1.50	67.20	-	-	-	-
NAAQM Standards			60	100	80	80	100	1	2	400	20	6	1	5
Test Method		40CFR Appendix L Part 53 CPCB Guidelines	IS:5182 (P-23)	IS:5182 (P-2)	IS:5182 (P-6)	IS:5182 (P-9)	NL/SOP/AAQ-11	IS:5182 (P-10)	Method of Air Sampling & Analysis	NL/SOP/AAQ-12	IS:5182 (P-12)	IS:5182 (P-11)		

Remark:

*NAAQS: National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (B)], [Part-II-sec-3(i)] 16.11.2009, *Performed at *43, Sector-1A Ext., Bhalla Enclave, Chandel Himmat, Jamnui, J&K (UT) of NITYA Labs, Sample Analysed within Five days after Receipt.

*ND-Not Detected, *Arsenic-ND[DL- 0.5], *BAP-ND[DL- 0.5], *Benzene-ND[DL- 0.5], *Lead-ND[DL- 0.5], *Nickel-ND[DL- 1.0]



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Table: 5 Period of Monitoring: July 2024

Location: Secured Landfill Area

Day	Date of Sampling	ULR No	Concentration of Pollutants											
			Particulate Matter (PM2.5) µg/m3	Particulate Matter (PM10) µg/m3	Sulphur Dioxide (as SO2) µg/m3	Nitrogen Dioxide (as NO2) µg/m3	Ozone (as O3) µg/m3	Lead (as Pb ¹) µg/ m3	Carbon Monoxid e (as CO) mg/m3	Ammoni a (as NH3) µg/m3	Nickel (as Ni ²) ng/m ³	Arsenic (as As ³) ng/m3	Benzo (a) pyrene (as BAP ⁴) ng/m ³	Benzene (C6H6 ⁵) ug/m3
Tues./Wed.	02/07/2024	TC636624000004772F	14.20	85.20	21.40	21.90	31.10	ND	0.70	55.20	ND	ND	ND	ND
Fri./Sat.	05/07/2024	TC636624000004843F	30.20	65.10	27.40	41.90	33.20	ND	1.30	60.30	ND	ND	ND	ND
Tues./Wed.	09/07/2024	TC636624000004883F	22.48	74.20	19.90	21.80	25.40	ND	1.65	37.30	ND	ND	ND	ND
Fri./Sat.	12/07/2024	TC636624000004962F	37.50	90.10	23.60	23.70	19.80	ND	1.40	60.44	ND	ND	ND	ND
Tues./Wed.	16/07/2024	TC636624000005011F	30.88	70.20	29.80	40.20	15.10	ND	1.21	62.30	ND	ND	ND	ND
Fri./Sat.	19/07/2024	TC636624000005157F	31.20	65.20	36.20	50.20	30.10	ND	0.78	43.50	ND	ND	ND	ND
Tues./Wed.	23/07/2024	TC636624000005248F	34.20	78.30	13.90	49.20	19.90	ND	1.28	51.30	ND	ND	ND	ND
Fri./Sat.	26/07/2024	TC636624000005327F	18.90	81.40	22.10	45.80	32.30	ND	1.11	46.50	ND	ND	ND	ND
No. of Observation			8	8	8	8	8	8	8	8	8	8	8	8
Minimum			14.20	65.10	13.90	21.80	15.10	-	0.70	37.30	-	-	-	-
Maximum			37.50	90.10	36.20	50.20	33.20	-	1.65	62.30	-	-	-	-
Average			27.19	76.21	24.28	36.83	25.85	-	1.17	52.10	-	-	-	-
98 th Percentile			37.50	90.10	36.20	50.20	33.20	-	1.65	62.30	-	-	-	-
NAAQM Standards			60	100	80	80	100	1	2	400	20	6	1	5
Test Method			40CFR Appendix L Part 53 CPCB Guidelines	IS:5182 (P-23)	IS:5182 (P-2)	IS:5182 (P-6)	IS:5182 2 (P-9)	NL/SOP/ AAQ-11	IS:5182 (P-10)	Method of Air Sampling & Analysis	NL/SOP/ AAQ-13	NL/SOP/ AAQ-12	IS:5182 (P-12)	IS:5182 (P-11)

Remark:

* NAAQS National Ambient Air Quality Standards, Schedule-VII, (Rule 3 (3B)), (Part-II-sec-3(i)) 16.11.2009, *Performed at *43, Sector-1A Exd., Bhalla Enclave, ChannHimmat, Jammu, J&K (UT) of NITYA Labs, Sample Analysed within Five days after Receipt.
* ND-Not Detected, *Arsenic-ND[DL- 0.5], *BAP-ND[DL- 0.5], *Benzene-ND[DL- 0.5], *Lead-ND[DL- 0.5], *Nickel-ND[DL- 1.0]



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Table: 6 Period of Monitoring: July 2024

Location: Township Market Complex

Day	Date of Sampling	ULR No	Concentration of Pollutants											
			Particulate Matter (PM _{2.5}) µg/m ³	Particulate Matter (PM ₁₀) µg/m ³	Sulphur Dioxide (as SO ₂) µg/m ³	Nitrogen Dioxide (as NO ₂) µg/m ³	Ozone (as O ₃) µg/m ³	Lead (as Pb ¹) µg/ m ³	Carbon Monoxide (as CO) mg/m ³	Ammonia (as NH ₃) µg/m ³	Nickel (as Ni ²) ng/m ³	Arsenic (as As ³) ng/m ³	Benzo (a) pyrene (as BAP ⁴) ng/m ³	Benzene (C ₆ H ₆) µg/m ³
Tues./Wed.	02/07/2024	TC636624000004773F	40.50	55.80	14.80	19.80	30.20	ND	1.11	55.20	ND	ND	ND	ND
Fri./Sat.	05/07/2024	TC636624000004844F	37.80	63.70	13.90	39.40	24.50	ND	1.22	34.10	ND	ND	ND	ND
Tues./Wed.	09/07/2024	TC636624000004884F	30.80	56.80	31.90	43.10	15.90	ND	1.61	33.20	ND	ND	ND	ND
Fri./Sat.	12/07/2024	TC636624000004963F	24.30	65.80	35.20	45.10	22.40	ND	0.92	48.50	ND	ND	ND	ND
Tues./Wed.	16/07/2024	TC636624000005012F	19.90	61.80	30.80	16.90	19.80	ND	0.81	60.10	ND	ND	ND	ND
Fri./Sat.	19/07/2024	TC636624000005158F	39.80	64.90	16.80	29.80	31.10	ND	1.24	64.40	ND	ND	ND	ND
Tues./Wed.	23/07/2024	TC636624000005249F	27.30	63.90	24.80	43.10	26.30	ND	1.27	49.40	ND	ND	ND	ND
Fri./Sat.	26/07/2024	TC636624000005328F	43.50	57.40	30.80	24.90	19.90	ND	1.01	81.10	ND	ND	ND	ND
No. of Observation			8	8	8	8	8	8	8	8	8	8	8	8
Minimum			19.90	55.80	13.90	16.90	15.90	-	0.81	33.20	-	-	-	-
Maximum			43.50	65.80	35.20	45.10	31.10	-	1.61	64.40	-	-	-	-
Average			32.98	61.26	24.87	32.76	23.76	-	1.14	50.75	-	-	-	-
98 th Percentile			43.50	65.80	35.20	45.10	31.10	-	1.61	64.40	-	-	-	-
NAAQM Standards			60	100	80	80	100	1	2	400	20	6	1	5
Test Method		40CFR Appendix L Part 53 CPCB Guidelines	IS:5182 (P-23)	IS:5182 (P-2)	IS:5182 (P-6)	IS:5182 (P-9)	NL/SOP/AAQ-11	IS:5182 (P-10)	Method of Air Sampling & Analysis	NL/SOP/AAQ-13	NL/SOP/AAQ-12	IS:5182 (P-12)	IS:5182 (P-11)	IS:5182 (P-11)

Remark:

* NAAQS: National Ambient Air Quality Standards; Schedule-VII (Rule 3 (B)), (Part-I)-sec-3(i)(1) 10.11.2009. *Performed at '43, Sector-1A Ext. Bhalla Enclave, Channil-immat, Jammu, J&K (UT) of NITYA Lab. Sample Analysed within Five days after Receipt.
* ND=Not Detected, *Arsenic-ND(DL- 0.6), *BAP-ND(DL- 0.6), *Lead-ND(DL- 0.6), *Benzene-ND(DL- 0.6), *Nickel-ND(DL- 1.0)



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Table: 10 Period of Monitoring: July 2024

Day	Date of Sampling	ULR No	Concentration of Pollutants											
			Particulate Matter (PM _{2.5}) µg/m ³	Particulate Matter (PM ₁₀) µg/m ³	Sulphur Dioxide (as SO ₂) µg/m ³	Nitrogen Dioxide (as NO ₂) µg/m ³	Ozone (as O ₃) µg/m ³	Lead (as Pb ¹) µg/ m ³	Carbon Monoxide (as CO) mg/m ³	Ammonia (as NH ₃) ug/m ³	Nickel (as Ni ⁴) ng/m ³	Arsenic (as As ³) ng/m ³	Benzo (a) pyrene (as BAP ⁴) ng/m ³	Benzene (C ₆ H ₆) ug/m ³
Tues./Wed.	02/07/2024	TC636624000004774F	21.10	84.10	25.10	40.20	16.10	ND	1.39	49.40	ND	ND	ND	
Fri./Sat.	05/07/2024	TC636624000004845F	34.20	75.30	30.40	20.10	30.10	ND	1.10	30.10	ND	ND	ND	
Tues./Wed.	09/07/2024	TC636624000004885F	23.50	77.30	21.50	38.30	18.80	ND	1.30	46.30	ND	ND	ND	
Fri./Sat.	12/07/2024	TC636624000004964F	16.80	81.40	13.30	21.10	37.30	ND	0.94	47.40	ND	ND	ND	
Tues./Wed.	16/07/2024	TC636624000005013F	17.00	86.40	15.80	30.40	21.80	ND	0.80	40.80	ND	ND	ND	
Fri./Sat.	19/07/2024	TC636624000005159F	40.10	79.50	36.30	46.80	34.50	ND	1.20	34.10	ND	ND	ND	
Tues./Wed.	23/07/2024	TC636624000005250F	43.40	84.30	35.20	44.80	40.80	ND	0.96	41.50	ND	ND	ND	
Fri./Sat.	26/07/2024	TC636624000005329F	19.80	76.80	23.80	18.90	15.60	ND	1.03	32.00	ND	ND	ND	
No. of Observation			8	8	8	8	8	8	8	8	8	8	8	
Minimum			16.80	75.30	13.30	18.90	15.60	-	0.80	30.10	-	-	-	
Maximum			43.40	86.40	36.30	46.80	40.80	-	1.39	49.40	-	-	-	
Average			26.98	80.63	25.15	32.57	26.87	-	1.09	40.20	-	-	-	
98 th Percentile			43.40	86.40	36.30	46.80	40.80	-	1.39	49.40	-	-	-	
NAAQM Standards			60	100	80	80	100	1	2	400	20	6	1	
Test Method		40CFR Appendix L Part 63 CPCB Guidelines	IS:5182 (P-23)	IS:5182 (P-2)	IS:5182 (P-6)	IS:5182 (P-9)	NL/SOP/AAQ-11	IS:5182 (P-10)	Method of Air Sampling & Analysis	NL/SOP/AAQ-13	NL/SOP/AAQ-12	IS:5182 (P-12)	IS:5182 (P-11)	

Remark:

* NAAQS: National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-I-(sec-3.0)] 16.11.2009. *Performed at: 43, Sector-1A, Ext. Bhalia Enclave, Charanl Himmat, Jammu, J&K (UT) of NITYA Labs, Sample Analysed within Five days after Receipt.
* ND-Not Detected, *Arsenic-ND[DL- 0.5], *BAP-ND[DL- 0.5], *Benzene-ND[DL- 0.5], *Lead-ND[DL- 0.5], *Nickel-ND[DL- 1.0]



(AUTHORISED SIGNATORY)
(RAVINDER MITTAL)

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TC-6366

Table: 4 Period of Monitoring: August 2024

Day	Date of Sampling	Test Report No.	Concentration of Pollutants											
			Particulate Matter (PM2.5) µg/m3	Particulate Matter (PM10) µg/m3	Sulphur Dioxide (as SO2) µg/m3	Nitrogen Dioxide (as NO2) ug/m3	Ozone (as O3) ug/m3	Lead (as Pb ¹) µg/ m3	Carbon Monoxide (as CO) mg/m3	Ammonia (as NH3) ug/m3	Nickel (as Ni ²) ng/m ³	Arsenic (as As ³) ng/m3	Benzo (a) pyrene (as BAP ⁴) ng/m ³	Benzene (C6H6 ⁵) ug/m3
Fri./Sat.	02/08/2024	202408020110	24.82	68.28	14.11	23.58	14.68	ND	1.13	46.11	ND	ND	ND	ND
Tues./Wed.	06/08/2024	202408060110	30.48	74.24	18.47	30.65	20.36	ND	1.04	48.65	ND	ND	ND	ND
Fri./Sat.	09/08/2024	202408090110	26.51	80.16	15.62	28.35	18.58	ND	1.13	51.72	ND	ND	ND	ND
Tues./Wed.	13/08/2024	202408130110	30.51	78.68	20.52	32.28	22.91	ND	1.15	48.55	ND	ND	ND	ND
Fri./Sat.	16/08/2024	202408160110	27.28	75.92	22.95	34.22	23.55	ND	1.15	54.28	ND	ND	ND	ND
Tues./Wed.	20/08/2024	202408200110	25.64	70.28	17.61	31.28	20.17	ND	1.14	58.33	ND	ND	ND	ND
Fri./Sat.	23/08/2024	202408230110	32.18	82.43	21.27	38.69	24.63	ND	1.12	56.24	ND	ND	ND	ND
Tues./Wed.	27/08/2024	202408270110	28.22	84.35	25.43	42.25	21.75	ND	1.13	45.97	ND	ND	ND	ND
Fri./Sat.	30/08/2024	202408300110	26.85	81.48	20.26	35.68	23.58	ND	1.11	50.41	ND	ND	ND	ND
No. of Observation			9	9	9	9	9	9	9	9	9	9	9	9
Minimum			24.82	68.28	14.11	23.58	14.68	-	1.04	45.97	-	-	-	-
Maximum			32.18	84.35	25.43	42.25	24.63	-	1.15	58.33	-	-	-	-
Average			28.05	77.31	19.58	33.00	21.13	-	1.12	51.14	-	-	-	-
98 th Percentile			32.18	84.35	25.43	42.25	24.63	-	1.15	58.33	-	-	-	-
NAAQM Standards			60	100	80	80	100	1	2	400	20	6	1	5
Test Method			40CFR Appendix L Part 53 CPCB Guidelines	IS:5182 (P-23)	IS:5182 (P-2)	IS:5182 (P-6)	IS:5182 (P-9)	NL/SOP/AAQ-11	IS:5182 (P-10)	Method of Air Sampling & Analysis	NL/SOP/AAQ-13	NL/SOP/AAQ-12	IS:5182 (P-12)	IS:5182 (P-11)

Remark: *NAAQS: National Ambient Air Quality Standards, Schedule-VII, [Rule 3, (3B)] (Part II, sec-3(1) 16.11.2009. *Performed at: *43, Sector-1A Ext., Bhalla Endave, Channal Himmat, Jammu, J&K (UT) of NITYA Labs, Sample Analysed within Five days after Receipt.
*NO_x Not Detected, *Arsenic-ND(DL: 0.5), *Benzene-ND(DL: 0.5), *Lead-ND(DL: 0.5), *Nickel-ND(DL: 1.0)



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Table: 5 Period of Monitoring: August 2024

Day	Date of Sampling	Test Report No.	Concentration of Pollutants											
			Particulate Matter (PM _{2.5}) µg/m ³	Particulate Matter (PM ₁₀) µg/m ³	Sulphur Dioxide (as SO ₂) µg/m ³	Nitrogen Dioxide (as NO ₂) ug/m ³	Ozone (as O ₃) ug/m ³	Lead (as Pb ¹) µg/ m ³	Carbon Monoxide (as CO) mg/m ³	Ammonia (as NH ₃) ug/m ³	Nickel (as Ni ²) ng/m ³	Arsenic (as As ³) ng/m ³	Benzo (a) pyrene (as BAP ⁴) ng/m ³	Benzene (C ₆ H ₆) ug/m ³
Fri./Sat.	02/08/2024	202408020111	30.12	80.25	20.32	34.68	22.65	ND	1.26	50.96	ND	ND	ND	
Tues./Wed.	06/08/2024	202408060111	27.46	78.95	26.43	38.24	25.14	ND	1.31	54.62	ND	ND	ND	
Fri./Sat.	09/08/2024	202408090111	40.91	84.51	23.48	40.86	20.94	ND	1.26	51.28	ND	ND	ND	
Tues./Wed.	13/08/2024	202408130111	38.55	81.66	25.91	36.53	24.34	ND	1.14	55.43	ND	ND	ND	
Fri./Sat.	16/08/2024	202408160111	35.64	78.43	27.92	38.42	26.88	ND	1.18	60.83	ND	ND	ND	
Tues./Wed.	20/08/2024	202408200111	38.11	82.25	24.21	42.91	21.52	ND	1.11	52.82	ND	ND	ND	
Fri./Sat.	23/08/2024	202408230111	40.82	88.18	29.68	35.87	22.94	ND	1.19	56.92	ND	ND	ND	
Tues./Wed.	27/08/2024	202408270111	35.36	85.65	32.58	44.11	27.38	ND	1.07	53.81	ND	ND	ND	
Fri./Sat.	30/08/2024	202408300111	32.69	81.96	30.16	41.84	25.82	ND	1.03	48.99	ND	ND	ND	
No. of Observation			9	9	9	9	9	9	9	9	9	9	9	
Minimum			30.12	78.43	20.32	34.68	22.65	-	1.03	48.99	-	-	-	
Maximum			40.91	88.18	32.68	44.11	27.38	-	1.31	60.83	-	-	-	
Average			35.52	82.43	26.74	39.27	24.18	-	1.17	53.96	-	-	-	
98 th Percentile			40.91	88.18	32.68	44.11	27.38	-	1.31	60.83	-	-	-	
NAAQM Standards			60	100	80	80	100	1	2	400	20	6	1	5
Test Method			40CFR Appendix L Part 53 CPCB Guidelines	IS:5182 (P-23)	IS:5182 (P-2)	IS:5182 (P-6)	IS:5182 (P-9)	NL/SOP/AAQ-11	IS:5182 (P-10)	Method of Air Sampling & Analysis	NL/SOP/AAQ-13	NL/SOP/AAQ-12	IS:5182 (P-12)	IS:5182 (P-11)

Remark:

* NAAQS: National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (B)], [Part-II, sec-3(3)] 16.11.2009, "Performed at '43, Sector-1A Ex., Bhaila Enclave, Channihimmat, Jammu, J&K (UT) of NITYA Labs, Sample Analysed within Five days after Receipt."
 * ND-Not Detected, "Arsenic-ND[DL- 0.5], "BAP-ND[DL- 0.5], "Benzene-ND[DL- 0.5], "Lead-ND[DL- 0.5], "Nickel-ND[DL- 1.0]"

(AUTHORISED SIGNATORY)
 (RAVINDER MITAL)

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Location: Township Market Complex

Remark:

- NAAQS: National Ambient Air Quality Standards; Schedule-VII (Rule 3 (B)), Part-II-sec-3(10) 19.11.2009, *Performed at *43, Sector-1A Ext., Bhalla Enclave, ChandiHimmat, Jammu, J&K (UT) of NITYA Labs. Sample Analysed within Five days after Receipt.
- NP: Not Detected
- Arsenic-NI(DI): - 0.51; *Benzene-NI(DI): - 0.51; *Benzene-NI(DI): - 0.51; Lead-NI(DI): - 0.51; Nickel-NI(DI): - 1.01

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Table: 10 Period of Monitoring: August 2024

Day	Date of Sampling	Test Report No.	Concentration of Pollutants											
			Particulate Matter (PM2.5) µg/m3	Particulate Matter (PM10) µg/m3	Sulphur Dioxide (as SO2) µg/m3	Nitrogen Dioxide (as NO2) ug/m3	Ozone (as O3) ug/m3	Lead (as Pb ¹) µg/ m3	Carbon Monoxide (as CO) mg/m3	Ammonia (as NH3) ug/m3	Nickel (as Ni ²) ng/m ³	Arsenic (as As ⁻³) ng/m3	Benzo (a) pyrene (as BAP ⁻⁴) ng/m ³	Benzene (C6H6 ⁶) ug/m3
Fri./Sat.	02/08/2024	202408020113	28.27	70.95	22.37	34.16	26.91	ND	0.85	28.55	ND	ND	ND	
Tues./Wed.	06/08/2024	202408060113	26.14	65.46	16.93	36.57	28.93	ND	0.83	32.45	ND	ND	ND	
Fri./Sat.	09/08/2024	202408090113	22.97	68.11	20.47	28.11	30.68	ND	0.94	26.51	ND	ND	ND	
Tues./Wed.	13/08/2024	202408130113	29.53	62.98	18.56	32.67	26.38	ND	0.87	30.88	ND	ND	ND	
Fri./Sat.	16/08/2024	202408160113	21.88	66.25	24.88	30.94	22.47	ND	1.14	25.93	ND	ND	ND	
Tues./Wed.	20/08/2024	202408200113	25.14	71.22	21.65	34.82	28.96	ND	0.85	34.13	ND	ND	ND	
Fri./Sat.	23/08/2024	202408230113	30.46	69.57	25.94	38.46	25.76	ND	0.89	32.55	ND	ND	ND	
Tues./Wed.	27/08/2024	202408270113	27.24	61.76	21.27	35.48	21.98	ND	0.86	35.62	ND	ND	ND	
Fri./Sat.	30/08/2024	202408300113	24.18	72.48	23.83	33.97	24.14	ND	0.98	31.22	ND	ND	ND	
No. of Observation			9	9	9	9	9	9	9	9	9	9	9	
Minimum			28.27	61.76	16.93	28.11	21.98	-	0.83	25.93	-	-	-	
Maximum			30.46	72.48	25.94	38.46	30.68	-	1.14	35.62	-	-	-	
Average			26.20	67.64	21.77	33.91	26.25	-	0.91	30.87	-	-	-	
98 th Percentile			30.46	72.48	25.94	38.46	30.68	-	1.14	35.62	-	-	-	
NAAQM Standards			60	100	80	80	100	1	2	400	20	6	1	
Test Method			40CFR Appendix L Part 53 CPCB Guidelines	IS:5182 (P-23)	IS:5182 (P-2)	IS:5182 (P-6)	IS:5182 (P-9)	NL/SOP/AAQ-11	IS:5182 (P-10)	Method of Air Sampling & Analysis	NL/SOP/AAQ-13	NL/SOP/AAQ-12	IS:5182 (P-12)	IS:5182 (P-11)

Remark:

* NAAQS: National Ambient Air Quality Standards, Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)] 16.11.2009, *Performed at: 43, Sector-1A Ext., Bhalla Enclave, Channi Himmat, Jammu, J&K (UT) of NITYA Labs, Sample Analysed within Five days after Receipt.
* ND=Not Detected, *Arsenic-ND[DL- 0.5], *BAP-ND[DL- 0.5], *Benzene-ND[DL- 0.5], *Lead-ND[DL- 0.5], *Nickel-ND[DL- 1.0]



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Table: 4 Period of Monitoring: September 2024

Day	Date of Sampling	Test Report No.	Concentration of Pollutants											
			Particulate Matter (PM2.5) µg/m3	Particulate Matter (PM10) µg/m3	Sulphur Dioxide (as SO2) µg/m3	Nitrogen Dioxide (as NO2) µg/m3	Ozone (as O3) µg/ m3	Lead (as Pb1) µg/ m3	Carbon Monoxide (as CO) mg/m3	Ammonia (as NH3) µg/m3	Nickel (as Ni2) ng/m3	Arsenic (as As3) ng/m3	Benzo (a) pyrene (as BAP4) ng/m3	Benzene (C6H6) ug/m3
Mon./Tue.	02/09/2024	202409020110	27.80	64.20	16.10	22.50	16.60	ND	1.03	42.10	ND	ND	ND	ND
Thu./Fri.	05/09/2024	202409050110	33.40	70.20	16.40	27.70	19.50	ND	0.96	43.60	ND	ND	ND	ND
Tues./Wed.	10/09/2024	202409100110	29.20	75.50	17.20	26.90	20.10	ND	1.03	46.40	ND	ND	ND	ND
Fri./Sat.	13/09/2024	202409130110	32.50	74.90	18.50	28.10	21.30	ND	1.05	43.50	ND	ND	ND	ND
Tues./Wed.	17/09/2024	202409170110	30.60	72.10	20.80	29.50	20.80	ND	1.08	51.20	ND	ND	ND	ND
Fri./Sat.	20/09/2024	202409200110	28.10	66.70	19.60	30.10	19.50	ND	1.04	50.10	ND	ND	ND	ND
Tues./Wed.	24/09/2024	202409240110	34.50	78.30	23.40	32.40	22.50	ND	1.02	52.40	ND	ND	ND	ND
Fri./Sat.	27/09/2024	202409270110	31.10	79.40	24.10	34.50	19.70	ND	1.05	41.90	ND	ND	ND	ND
No. of Observation			8	8	8	8	8	8	8	8	8	8	8	8
Minimum			27.80	64.20	16.10	22.50	16.60	-	0.96	41.90	-	-	-	-
Maximum			34.50	79.40	24.10	34.50	22.50	-	1.08	52.40	-	-	-	-
Average			30.90	72.66	19.51	28.96	20.00	-	1.03	46.40	-	-	-	-
98th Percentile			34.35	79.25	24.00	34.21	22.33	-	1.08	52.23	-	-	-	-
NAAQM Standards			60	100	80	80	100	1	2	400	20	6	1	5
Test Method			40CFR, Appendix L Part 53, CPCB Guidelines	IS:5182 (P-23)	IS:5182 (P-2)	IS:5182 (P-6)	IS:5182 (P-9)	NL/SOP/ AAQ-11	IS:5182 (P-10)	Method of Air Sampling & Analysis	NL/SOP/ AAQ-13	NL/SOP/ AAQ-12	IS:5182 (P-12)	IS:5182 (P-11)

Remark: *NAAQS: National Ambient Air Quality Standards, Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(0)] 16.11.2009, *Performed at 43, Sector-1A Ex., Bhalla Enclave, Charni Himmat, Jammu, J&K (UT) of NITYA Labs, Sample Analysed within Five days after Receipt.
 *ND-Not Detected, *Arsenic-ND(DL- 0.5), *BAP-ND(DL- 0.5), *Lead-ND(DL- 0.5), *Nickel-ND(DL- 1.0)



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Table: 5 Period of Monitoring: September 2024

Day	Date of Sampling	Test Report No.	Concentration of Pollutants											
			Particulate Matter (PM2.5) µg/m3	Particulate Matter (PM10) µg/m3	Sulphur Dioxide (as SO2) µg/m3	Nitrogen Dioxide (as NO2) µg/m3	Ozone (as O3) µg/m3	Lead (as Pb ¹) µg/ m3	Carbon Monoxide (as CO) mg/m3	Ammonia (as NH3) µg/m3	Nickel (as Ni ²) ng/m ³	Arsenic (as As ³) ng/m3	Benzo (a) pyrene (as BAP ⁴) ng/m ³	Benzene (C6H6 ⁵) ug/m3
Mon./Tue.	02/09/2024	202409020111	28.40	75.20	18.30	31.60	20.60	ND	1.16	45.96	ND	ND	ND	ND
Thu./Fri.	05/09/2024	202409050111	26.90	73.90	24.40	35.20	23.10	ND	1.21	48.20	ND	ND	ND	ND
Tues./Wed.	10/09/2024	202409100111	36.30	78.80	21.50	36.40	18.90	ND	1.16	46.20	ND	ND	ND	ND
Fri./Sat.	13/09/2024	202409130111	33.50	76.60	23.90	32.50	22.30	ND	1.04	49.10	ND	ND	ND	ND
Tues./Wed.	17/09/2024	202409170111	31.60	72.40	25.90	34.40	24.80	ND	1.08	51.40	ND	ND	ND	ND
Fri./Sat.	20/09/2024	202409200111	33.30	77.20	22.20	37.70	19.50	ND	1.01	47.80	ND	ND	ND	ND
Tues./Wed.	24/09/2024	202409240111	35.50	79.10	27.60	30.80	20.10	ND	1.09	48.90	ND	ND	ND	ND
Fri./Sat.	27/09/2024	202409270111	32.80	78.00	29.90	38.10	25.30	ND	1.02	46.60	ND	ND	ND	ND
No. of Observation			8	8	8	8	8	8	8	8	8	8	8	8
Minimum			26.90	72.40	18.30	30.80	18.90	-	1.01	45.96	-	-	-	-
Maximum			36.30	79.10	29.90	38.10	25.30	-	1.21	51.40	-	-	-	-
Average			32.29	76.40	24.21	34.59	21.83	-	1.10	48.02	-	-	-	-
98 th Percentile			36.19	79.06	29.58	38.04	25.23	-	1.20	51.08	-	-	-	-
NAAQM Standards			60	100	80	80	100	1	2	400	20	6	1	5
Test Method			40CFR Appendix L Part 53 CPCB Guidelines	IS:5182 (P-23)	IS:5182 (P-2)	IS:5182 (P-6)	IS:5182 (P-9)	NL/SOP/ AAQ-11	IS:5182 (P-10)	Method of Air Sampling & Analysis	NL/SOP/ AAQ-13	NL/SOP/ AAQ-12	IS:5182 (P-12)	IS:5182 (P-11)

Remark: * NAAQS: National Ambient Air Quality Standards: Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(3)] 16.11.2009, *Performed at '43, Sector-1A Ex., Bhalla Enclave, Channil-Himmat, Jammu, J&K (JT) of NITYA Labs. Sample Analysed within Five days after Receipt.

* NICot Detected, *Arsenic-ND(DL- 0.5), *Benzene-ND(DL- 0.5), *Lead-ND(DL- 0.5), *Nickel-ND(DL- 1.0)



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Table: 6 Period of Monitoring: September 2024

Day	Date of Sampling	Test Report No.	Concentration of Pollutants											
			Particulate Matter (PM2.5) µg/m3	Particulate Matter (PM10) µg/m3	Sulphur Dioxide (as SO2) µg/m3	Nitrogen Dioxide (as NO2) µg/m3	Ozone (as O3) µg/m3	Lead (as Pb ¹) µg/ m3	Carbon Monoxide (as CO) mg/m3	Ammonia (as NH3) ug/m3	Nickel (as Ni ²) ng/m ³	Arsenic (as As ³) ng/m3	Benzo (a) pyrene (as BAP ⁴) ng/m ³	Benzene (C6H6 ⁵) ug/m3
Mon./Tue.	02/09/2024	202409020112	30.50	60.40	20.50	28.40	22.80	ND	1.05	25.70	ND	ND	ND	ND
Thu./Fri.	05/09/2024	202409050112	26.20	49.60	16.40	24.30	24.20	ND	1.07	27.20	ND	ND	ND	ND
Tues./Wed.	10/09/2024	202409100112	32.50	61.20	15.80	19.30	20.10	ND	0.98	26.80	ND	ND	ND	ND
Fri./Sat.	13/09/2024	202409130112	28.50	57.20	18.30	23.30	18.60	ND	1.09	22.30	ND	ND	ND	ND
Tues./Wed.	17/09/2024	202409170112	25.90	56.40	19.20	26.20	22.90	ND	1.16	27.50	ND	ND	ND	ND
Fri./Sat.	20/09/2024	202409200112	29.20	52.40	17.80	24.10	20.90	ND	0.99	26.40	ND	ND	ND	ND
Tues./Wed.	24/09/2024	202409240112	31.70	50.20	20.50	29.60	24.70	ND	1.02	28.40	ND	ND	ND	ND
Fri./Sat.	27/09/2024	202409270112	24.60	54.00	17.50	28.40	20.60	ND	1.06	23.10	ND	ND	ND	ND
No. of Observation			8	8	8	8	8	8	8	8	8	8	8	8
Minimum			24.60	49.60	15.80	19.30	18.60	-	0.98	22.30	-	-	-	-
Maximum			32.50	61.20	20.50	29.60	24.70	-	1.16	28.40	-	-	-	-
Average			28.64	55.18	18.25	25.45	21.51	-	1.05	25.93	-	-	-	-
98 th Percentile			32.39	61.09	20.50	29.43	24.48	-	1.15	28.27	-	-	-	-
NAAQM Standards			60	100	80	80	100	1	2	400	20	6	1	5
Test Method			40CFR Appendix L Part 53 CPCB Guidelines	IS:5182 (P-23)	IS:5182 (P-2)	IS:5182 (P-6)	IS:5182 (P-9)	NL/SOP/AAQ-11	IS:5182 (P-10)	Method of Air Sampling & Analysis	NL/SOP/AAQ-13	NL/SOP/AAQ-12	IS:5182 (P-12)	IS:5182 (P-11)

Remark:

* NAAQS: National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], Part-II-sec-3(0) 15.11.2009, *Performed at *43, Sector-1A Ext., Bhalla Enclave, Chamuhimmat, Jammu, J&K (UT) of NITYA Labs, Sample Analysed within Five days after Receipt.
 * ND-Not Detected, *Arsenic-ND(DL- 0.5), *BAP-ND(DL- 0.5), *Benzene-ND(DL- 0.5), *Lead-ND(DL- 0.5), *Nickel-ND(DL- 1.0)



NOTE: The laboratory accepts the responsibility for content of report. The results contained in this test report related only to the sample tested. Test report shall not be reproduced except in full, without written approval of the laboratory. This report is intended only for your guidance and not for legal purpose. This report shall not be reproduced or used in any manner that may cause confusion or misinterpretation. Any complaint/feedback regarding the sample collection/testing/report, please send an email at info@nityalabs.com and call at +91-191-2485597, +91-191-3511552, +91-9873524093.

Table: 10 Period of Monitoring: September 2024

Day	Date of Sampling	Test Report No.	Concentration of Pollutants											
			Particulate Matter (PM2.5) ug/m3	Particulate Matter (PM10) ug/m3	Sulphur Dioxide (as SO2) ug/m3	Nitrogen Dioxide (as NO2) ug/m3	Ozone (as O3) ug/m3	Lead (as Pb¹) µg/ m3	Carbon Monoxide (as CO) mg/m3	Ammonia (as NH3) ug/m3	Nickel (as Ni²) ng/m³	Arsenic (as As³) ng/m3	Benzo (a) pyrene (as BAP¹) ng/m³	Benzene (C6H6⁵) ug/m3
Mon./Tue.	02/09/2024	202409020113	25.20	65.90	24.30	32.10	24.90	ND	0.95	25.50	ND	ND	ND	ND
Thu./Fri.	05/09/2024	202409050113	23.10	60.40	18.90	33.50	26.90	ND	0.93	29.40	ND	ND	ND	ND
Tues./Wed.	10/09/2024	202409100113	20.90	64.10	22.40	30.10	28.10	ND	1.01	23.50	ND	ND	ND	ND
Fri./Sat.	13/09/2024	202409130113	26.50	58.90	20.50	30.60	24.30	ND	0.97	27.80	ND	ND	ND	ND
Tues./Wed.	17/09/2024	202409170113	22.60	61.20	26.80	32.90	20.40	ND	1.04	22.90	ND	ND	ND	ND
Fri./Sat.	20/09/2024	202409200113	23.10	66.40	23.50	33.40	26.90	ND	0.99	31.10	ND	ND	ND	ND
Tues./Wed.	24/09/2024	202409240113	27.40	63.50	27.90	36.40	23.30	ND	1.04	29.50	ND	ND	ND	ND
Fri./Sat.	27/09/2024	202409270113	24.20	57.70	23.70	32.40	19.90	ND	1.07	32.60	ND	ND	ND	ND
No. of Observation			8	8	8	8	8	8	8	8	8	8	8	8
Minimum			20.90	57.70	18.90	30.10	19.90	-	0.93	22.90	-	-	-	-
Maximum			27.40	66.40	27.90	36.40	28.10	-	1.07	32.60	-	-	-	-
Average			24.13	62.26	23.50	32.68	24.34	-	1.00	27.79	-	-	-	-
98 th Percentile			27.27	66.33	27.75	35.99	27.93	-	1.07	32.39	-	-	-	-
NAAQM Standards			60	100	80	80	100	1	2	400	20	6	1	5
Test Method			40CFR Appendix L Part 53 CPCB Guidelines	IS:5182 (P-23)	IS:5182 (P-2)	IS:5182 (P-6)	IS:5182 (P-9)	NL/SOP/AAQ-11	IS:5182 (P-10)	Method of Air Sampling & Analysis	NL/SOP/AAQ-13	NL/SOPIA AQ-12	IS:5182 (P-12)	IS:5182 (P-11)

Remark:

* NAAQS: National Ambient Air Quality Standards, Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)] 16.11.2009, *Performed at *43, Sector-1A Ex., Bhalla Enclave, Channi Himmat, Jammu, J&K (U.T) of NITYA Labs. Sample Analysed within Five days after Receipt.
* ND-Not Detected, *Arsenic-ND[DL-0.5], *BAP-ND[DL-0.5], *Benzene-ND[DL-0.5], *Lead-ND[DL-0.5], *Nickel-ND[DL-1.0]

(AUTHORISED SIGNATORY)
(RAVINDER MITTAL)

NOTE: The laboratory accepts the responsibility for content of report. The results contained in this test report related only to the sample tested. Test report shall not be reproduced except in full, without written approval of the laboratory. This report is intended only for your guidance and not for legal purpose or for advertisement. This report shall not be reproduced except in full without the written approval of this organization. Samples will be destroyed after 30 days from the date of issue of test certificate unless otherwise specified. Any complaint about this report should be communicated in writing within 7 days of issue of this report. Total liability of Nitya Laboratories is limited to the amount of the invoice. If you have any complaint/feedback regarding the sample collection/testing/test report, please send an email at info@nityalab.com and call at +91-9873924093, +91-9873924093.



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INDIAN OIL CORPORATION LIMITED
PARADIP REFINERY
QUALITY CONTROL LABORATORY
AAQMS TEST REPORT APRIL-2024



Source of sample: AAQMS-1, 2, 3, 4, 5, 6 & 7 (All Ambient Air Monitoring Stations)

Date of Sample: 01, 04, 08, 11, 15, 18, 22, 25, 29.04.2024

Test report No: PDR/QC/AAQM/2024-2025/01

Date: 04.05.2024

S. No.	Parameter	UoM	Limit	AAQMS-1:			AAQMS-2:			IOTL			AAQMS-3:			LT			AAQMS-4:			IOT			AAQMS-5:			ETP			AAQMS-6: S-Fire			AAQMS-7:		
				Gate			Main			Tech Bid			Flare			Loading Area			area			Station/QC/Clab.			Incinerator											
				Avg.	Min	Max	Avg.	Min	Max	Avg.	Min	Max	Avg.	Min	Max	Avg.	Min	Max	Avg.	Min	Max	Avg.	Min	Max	Avg.	Min	Max	Avg.	Min	Max	Avg.	Min	Max			
1	PM2.5	µg/m³	60 Max	44.7	40.0	52.0	48.4	42.0	55.0	30.6	26.0	37.0	34.2	29.0	42.0	38.3	32.0	45.0	36.9	34.0	42.0	32.0	28.0	34.0												
2	PM10	µg/m³	100 Max	86.4	77.0	97.0	91.4	83.0	99.0	63.4	58.0	74.0	68.3	62.0	81.0	78.0	68.0	95.0	72.9	65.0	89.0	65.3	60.0	74.0												
3	Ozone	µg/m³	100 Max	41.05	38.79	43.87	41.79	36.63	44.61	38.2	35.2	43.7	42.44	39.36	45.37	40.66	38.46	42.69	38.78	35.92	41.32	40.25	38.07	43.25												
4	Ammonia	µg/m³	400 Max	41.23	40.09	43.02	43.35	42.19	45.09	40.6	39.4	43.8	44.29	43.76	45.16	43.02	41.45	44.38	41.04	37.74	44.62	41.99	40.52	44.56												
5	NO _x	µg/m³	80 Max	72.1	70.0	74.0	72.0	69.0	74.0	70.7	68.0	75.0	69.8	64.0	75.0	69.0	66.0	73.0	68.8	66.0	73.0	69.8	67.0	73.0												
6	Benzene	µg/m³	5 Max	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0												
7	BenzoPyrene	ng/m3	1 Max	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0												
8	SO _x	µg/m³	80 Max	42.9	40.0	46.0	43.7	39.0	46.0	39.9	36.0	42.0	44.8	43.0	47.0	41.9	39.0	44.0	40.6	38.0	42.0	41.4	40.0	44.0												
9	Pb	µg/m³	1 Max	3.622	0.011	8.920	3.198	0.010	8.450	3.1	0.0	7.5	3.074	0.008	7.850	3.601	0.008	8.920	3.421	0.009	8.570	3.184	0.008	7.580												
10	As	ng/m³	6 Max	0.16	0.01	0.33	0.18	0.01	0.36	0.1	0.0	0.3	0.12	0.01	0.25	0.14	0.01	0.32	0.14	0.01	0.29	0.15	0.01	0.31												
11	Ni	ng/m³	20 Max	4.92	0.23	9.13	5.45	0.20	11.24	3.3	0.2	6.1	3.66	0.21	6.87	4.38	0.24	8.10	3.89	0.28	7.32	3.60	0.21	6.53												
12	CO	mg/m³	2 Max																0.25	0.17	0.32															

Note: 1. Customer Information: Indian Oil Corporation Limited, Paradip Refinery, HSE Department.
2. Sample details: Sample collected by QC personnel and received as such.
3. The results relate only to the samples collected.
4. All tests/analyses performed at PDR Quality Control Laboratory as per applicable test methods, unless otherwise stated without any deviations to test method.
5. Customer confidential information shall be maintained as per customer agreement, if any.
6. This report shall not be produced except in full, without the written approval of Quality Control Laboratory, Paradip Refinery.
7. All test methods referred to in this certificate include a precision statement. The interpretation of results based on test method/ precision shall be used whenever applicable.
8. Laboratory Environmental Condition: 23±2 °C and 65 ± 10 %RH.

Dr. RC Sahu
Quality Control Manager
Indian Oil Corporation Ltd
Paradip Refinery



IndianOil

INDIAN OIL CORPORATION LIMITED
PARADIP REFINERY
QUALITY CONTROL LABORATORY
AAQMS TEST REPORT MAY-2024



Source of sample: AAQMS-1, 2, 3, 4, 5, 6 & 7 (All Ambient Air Monitoring Stations)

Date of Sample: 02, 06, 09, 13, 16, 20, 23, 27, 30.05.2024

Test report No: PDR/QC/AAQM/2024-2025/02

Date: 05.06.2024

S. No.	Parameter	UoM	Limit	AAQMS-1: Gate			Main			AAQMS-2: Tech Bid			IOTL			AAQMS-3: Flare			LT			AAQMS-4: Loading Area			IOT			AAQMS-5: area			ETP			AAQMS-6: S-Fire Station/QC Lab.			AAQMS-7: Incinerator		
				Avg.	Min	Max	Avg.	Min	Max	Avg.	Min	Max	Avg.	Min	Max	Avg.	Min	Max	Avg.	Min	Max	Avg.	Min	Max	Avg.	Min	Max	Avg.	Min	Max	Avg.	Min	Max	Avg.	Min	Max			
1	PM2.5	µg/m³	60 Max	40.9	35.0	56.0	42.7	34.0	49.0	26.0	23.0	30.0	28.3	24.0	40.0	31.8	26.0	38.0	31.9	29.0	36.0	29.4	27.0	35.0															
2	PM10	µg/m³	100 Max	81.4	72.0	99.0	82.4	72.0	89.0	57.1	54.0	65.0	63.6	55.0	91.0	67.6	60.0	74.0	66.2	59.0	70.0	62.2	57.0	77.0															
3	Ozone	µg/m³	100 Max	39.46	38.02	42.76	42.62	41.72	43.84	38.4	36.5	41.0	42.90	40.44	45.37	40.53	36.88	42.61	38.79	36.69	43.56	40.29	38.36	41.66															
4	Ammonia	µg/m³	400 Max	40.90	38.97	44.47	43.45	42.71	44.55	40.1	39.0	41.9	42.67	38.83	44.41	43.28	41.94	44.47	40.49	39.56	41.47	41.83	40.65	43.06															
5	NOx	µg/m³	80 Max	71.7	70.0	74.0	71.9	70.0	73.0	69.8	65.0	73.0	67.7	64.0	72.0	68.6	66.0	71.0	69.2	67.0	71.0	70.9	69.0	73.0															
6	Benzene	µg/m³	5 Max	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0															
7	BenzoPyrene	ng/m³	1 Max	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0															
8	SOx	µg/m³	80 Max	41.6	39.0	45.0	43.6	43.0	45.0	40.0	38.0	43.0	44.1	42.0	47.0	42.6	41.0	44.0	40.0	37.0	43.0	41.8	40.0	44.0															
9	Pb	µg/m³	1 Max	0.013	0.010	0.017	0.014	0.010	0.018	0.0	0.0	0.0	0.012	0.008	0.022	0.012	0.008	0.018	0.012	0.009	0.018	0.013	0.009	0.018															
10	As	ng/m³	6 Max	0.29	0.25	0.33	0.28	0.22	0.31	0.2	0.2	0.2	0.21	0.15	0.33	0.24	0.18	0.32	0.23	0.17	0.30	0.25	0.17	0.32															
11	Ni	ng/m³	20 Max	8.85	7.39	12.80	8.96	8.15	10.59	6.6	5.9	8.1	6.75	5.80	9.40	6.96	6.11	7.91	7.25	6.23	8.15	6.71	5.92	8.75															
12	CO	mg/m³	2 Max																																				

- Note: 1. Customer Information: Indian Oil Corporation Limited, Paradip Refinery, HSE Department.
2. Sample details: Sample collected by QC personnel and received as such.
3. The results relate only to the samples collected.
4. All tests/analyses performed at PDR Quality Control Laboratory as per applicable test methods, unless otherwise stated without any deviations to test method.
5. Customer confidential information shall be maintained as per customer agreement, if any.
6. This report shall not be produced except in full, without the written approval of Quality Control Laboratory, Paradip Refinery.
7. All test methods referred to in this certificate include a precision statement. The interpretation of results based on test method/ precision shall be used whenever applicable.
8. Laboratory Environmental Condition: 23±2 °C and 65 ± 10 %RH.

Dr. RC Sahu
Quality Control Manager
Indian Oil Corporation Ltd
Paradip Refinery



IndianOil

INDIAN OIL CORPORATION LIMITED
PARADIP REFINERY
QUALITY CONTROL LABORATORY
AAQMS TEST REPORT JUNE-2024



Source of sample: AAQMS-1, 2, 3, 4, 5, 6 & 7 (All Ambient Air Monitoring Stations)

Date of Sample: 03, 06, 10, 13, 17, 20, 24, 27, 06, 2024

Test report No: PDR/QC/AAQM/2024-2025/03

Date: 05.07.2024

S. No.	Parameter	UoM	Limit	AAQMS-1:			Main			AAQMS-2:			IOTL			AAQMS-3:			LT			AAQMS-4:			IOT			AAQMS-5:			ETP			AAQMS-6: S-Fire			AAQMS-7:		
				Gate			Tech Bid			Flare			Loading Area			area			Station/QC/Clab.			Incinerator																	
				Avg.	Min	Max	Avg.	Min	Max	Avg.	Min	Max	Avg.	Min	Max	Avg.	Min	Max	Avg.	Min	Max	Avg.	Min	Max	Avg.	Min	Max	Avg.	Min	Max	Avg.	Min	Max						
1	PM2.5	µg/m³	60 Max	41.5	39.0	46.0	46.9	40.0	53.0	27.1	24.0	30.0	30.9	27.0	36.0	34.1	29.0	43.0	32.1	28.0	35.0	28.3	24.0	33.0															
2	PM10	µg/m³	100 Max	84.8	81.0	90.0	88.9	79.0	94.0	57.9	52.0	63.0	62.8	56.0	69.0	72.4	66.0	81.0	68.1	60.0	75.0	61.6	56.0	71.0															
3	Ozone	µg/m³	100 Max	36.46	33.57	39.80	39.62	36.61	43.29	36.1	33.1	39.6	39.40	36.84	42.21	39.81	37.56	41.46	36.52	30.89	46.35	36.94	32.42	41.06															
4	Ammonia	µg/m³	400 Max	39.86	33.98	44.14	41.63	38.11	44.30	38.7	30.8	40.3	42.77	39.15	45.17	41.58	34.70	43.64	38.57	30.35	41.03	39.95	31.22	42.88															
5	NOx	µg/m³	80 Max	72.1	68.0	74.0	71.6	65.0	73.0	69.9	63.0	72.0	68.9	66.0	74.0	68.6	64.0	73.0	68.9	67.0	75.0	69.8	68.0	71.0															
6	Benzene	µg/m³	5 Max	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0															
7	BenzofPyrene	ng/m³	1 Max	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0															
8	SOx	µg/m³	80 Max	39.5	37.0	41.0	42.9	42.0	45.0	39.1	36.0	41.0	44.4	43.0	46.0	40.9	36.0	44.0	38.8	37.0	43.0	39.9	38.0	42.0															
9	Pb	µg/m³	1 Max	0.021	0.011	0.028	0.017	0.010	0.021	0.0	0.0	0.0	0.015	0.012	0.019	0.018	0.016	0.021	0.014	0.010	0.019	0.015	0.010	0.019															
10	As	ng/m³	6 Max	0.31	0.20	0.36	0.27	0.20	0.32	0.2	0.2	0.3	0.20	0.16	0.25	0.22	0.19	0.24	0.19	0.14	0.26	0.17	0.12	0.22															
11	Ni	ng/m³	20 Max	8.23	7.58	8.95	8.01	7.25	8.69	6.5	5.9	7.9	6.40	5.91	7.12	7.23	6.48	8.11	7.05	5.95	7.91	6.92	6.05	7.98															
12	CO	mg/m³	2 Max																0.17	0.09	0.32																		

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6. This report shall not be produced except in full, without the written approval of Quality Control Laboratory, Paradip Refinery.
7. All test methods referred to in this certificate include a precision statement. The interpretation of results based on test method/ precision shall be used whenever applicable.
8. Laboratory Environmental Condition: 23±2 °C and 65 ± 10 %RH.

Dr. RC Sahu
Quality Control Manager
Indian Oil Corporation Ltd
Paradip Refinery



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INDIAN OIL CORPORATION LIMITED
PARADIP REFINERY
QUALITY CONTROL LABORATORY
AAQMS TEST REPORT JULY-2024



Source of sample: AAQMS-1, 2, 3, 4, 5, 6 & 7 (All Ambient Air Monitoring Stations)

Date of Sample: 01, 04, 08, 11, 16, 18, 22, 25, 29.07.2024

Test report No: PDR/QC/AAQM/2024-2025/04

Date: 05.08.2024

S. No.	Parameter	UoM	Limit	AAQMS-1:			AAQMS-2:			AAQMS-3:			AAQMS-4:			AAQMS-5:			AAQMS-6:			AAQMS-7:		
				Avg.	Min	Max	Avg.	Min	Max	Avg.	Min	Max	Avg.	Min	Max	Avg.	Min	Max	Avg.	Min	Max	Avg.	Min	Max
1	PM2.5	µg/m ³	60 Max	36.6	33.0	41.0	41.0	35.0	46.0	25.3	21.0	30.0	27.6	22.0	31.0	34.0	28.0	40.0	29.2	25.0	36.0	26.9	23.0	31.0
2	PM10	µg/m ³	100 Max	80.7	70.0	96.0	85.0	76.0	99.0	54.6	47.0	63.0	60.9	55.0	81.0	71.3	60.0	83.0	64.2	58.0	70.0	58.9	53.0	64.0
3	Ozone	µg/m ³	100 Max	29.41	24.61	34.72	33.38	25.78	38.55	29.2	22.8	33.6	33.25	25.76	41.74	32.86	24.89	39.82	29.58	22.59	33.57	31.80	25.12	37.42
4	Ammonia	µg/m ³	400 Max	40.35	38.12	42.17	42.05	40.69	43.29	40.3	38.2	42.2	42.40	39.99	43.82	42.49	39.26	43.87	40.42	39.80	41.06	41.39	40.08	42.38
5	NO _x	µg/m ³	80 Max	65.0	39.0	73.0	69.2	63.0	74.0	67.9	61.0	72.0	64.8	59.0	72.0	64.1	59.0	69.0	65.4	61.0	69.0	66.9	62.0	71.0
6	Benzene	µg/m ³	5 Max	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BenzoPyrene	ng/m ³	1 Max	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	SO _x	µg/m ³	80 Max	39.7	38.0	44.0	42.3	40.0	44.0	38.6	37.0	40.0	42.7	38.0	45.0	41.3	39.0	43.0	37.9	35.0	40.0	39.3	36.0	41.0
9	Pb	µg/m ³	1 Max	0.015	0.010	0.022	0.016	0.009	0.022	0.0	0.0	0.0	0.016	0.010	0.023	0.017	0.012	0.024	0.013	0.010	0.016	0.012	0.010	0.015
10	As	ng/m ³	6 Max	0.18	0.13	0.25	0.22	0.15	0.28	0.2	0.2	0.3	0.22	0.14	0.29	0.21	0.14	0.28	0.14	0.02	0.18	0.13	0.10	0.15
11	Ni	ng/m ³	20 Max	7.00	6.13	7.92	7.33	6.52	8.12	5.9	5.1	6.9	6.74	6.06	7.32	6.79	6.15	7.92	6.54	6.12	7.13	6.02	5.18	6.82
12	CO	mg/m ³	2 Max																0.24	0.02	0.38			

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7. All test methods referred to in this certificate include a precision statement. The interpretation of results based on test method/ precision shall be used whenever applicable.
8. Laboratory Environmental Condition: 23±2 °C and 65 ± 10 %RH.

Dr. RC Sahu
Quality Control Manager
Indian Oil Corporation Ltd
Paradip Refinery



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INDIAN OIL CORPORATION LIMITED
PARADIP REFINERY
QUALITY CONTROL LABORATORY
AAQMS TEST REPORT AUGUST-2024



Source of sample: AAQMS-1, 2, 3, 4, 5, 6 & 7 (All Ambient Air Monitoring Stations)

Date of Sample: 01, 05, 08, 12, 15, 19, 22, 26, 29, 08, 2024

Test report No: PDR/QC/AAQM/2024-2025/05

Date: 06.09.2024

S. No.	Parameter	UoM	Limit	AAQMS-1: Gate			Main			AAQMS-2: Tech Bid			IOTL			AAQMS-3: Flare			LT			AAQMS-4: Loading Area			IOT			AAQMS-5: area			ETP			AAQMS-6: S-Fire Station/QC Lab.						AAQMS-7: Incinerator		
				Avg.	Min	Max	Avg.	Min	Max	Avg.	Min	Max	Avg.	Min	Max	Avg.	Min	Max	Avg.	Min	Max	Avg.	Min	Max	Avg.	Min	Max	Avg.	Min	Max	Avg.	Min	Max	Avg.	Min	Max						
1	PM2.5	µg/m³	60 Max	33.8	30.0	37.0	37.1	29.0	41.0	25.9	24.0	32.0	27.8	23.0	34.0	34.1	25.0	41.0	29.8	27.0	32.0	27.2	24.0	31.0																		
2	PM10	µg/m³	100 Max	72.9	68.0	77.0	76.1	68.0	86.0	55.7	47.0	67.0	59.7	54.0	69.0	73.2	60.0	89.0	64.9	57.0	74.0	60.1	55.0	64.0																		
3	Ozone	µg/m³	100 Max	28.14	22.85	38.60	31.07	25.89	36.91	26.6	22.2	30.7	30.46	24.64	40.26	30.22	25.66	36.13	25.20	21.44	31.79	27.46	24.15	31.46																		
4	Ammonia	µg/m³	400 Max	36.51	30.32	41.30	39.63	33.76	43.57	35.5	28.0	41.4	39.38	32.68	42.76	39.44	32.47	43.61	37.01	30.38	41.72	38.02	31.56	42.97																		
5	NO _x	µg/m³	80 Max	67.3	62.0	71.0	67.0	63.0	73.0	63.6	59.0	69.0	60.3	57.0	67.0	61.6	58.0	68.0	61.4	59.0	66.0	63.2	61.0	69.0																		
6	Benzene	µg/m³	5 Max	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		
7	BenzoPyrene	ng/m³	1 Max	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		
8	SO _x	µg/m³	80 Max	37.4	33.0	43.0	38.7	34.0	42.0	33.6	27.0	39.0	39.7	30.0	44.0	37.7	33.0	42.0	34.3	28.0	39.0	35.6	30.0	40.0																		
9	Pb	µg/m³	1 Max	0.014	0.010	0.018	0.015	0.013	0.018	0.0	0.0	0.0	0.015	0.009	0.023	0.016	0.011	0.021	0.012	0.008	0.017	0.014	0.009	0.018																		
10	As	ng/m³	6 Max	0.24	0.15	0.34	0.20	0.15	0.29	0.2	0.1	0.3	0.19	0.12	0.25	0.20	0.11	0.28	0.22	0.12	0.31	0.19	0.11	0.28																		
11	Ni	ng/m³	20 Max	7.22	5.91	8.72	7.21	6.87	8.13	5.9	5.0	6.5	6.08	5.48	6.85	6.95	5.82	8.13	6.61	5.10	7.85	6.00	5.13	6.92																		
12	CO	mg/m³	2 Max																0.23	0.18	0.28																					

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8. Laboratory Environmental Condition: 23±2 °C and 65 ± 10 %RH.

Dr. RC Sahu
Quality Control Manager
Indian Oil Corporation Ltd
Paradip Refinery



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INDIAN OIL CORPORATION LIMITED
PARADIP REFINERY
QUALITY CONTROL LABORATORY
AAQMS TEST REPORT SEPTEMBER-2024



Source of sample: AAQMS-1, 2, 3, 4, 5, 6 & 7 (All Ambient Air Monitoring Stations)

Date of Sample: 02, 05, 09, 12, 16, 26, 30.09.2024

Test report No: PDR/QC/AAQM/2024-2025/06

Date: 05.10.2024

S. No.	Parameter	UoM	Limit	AAQMS-1:			AAQMS-2:			AAQMS-3:			AAQMS-4:			AAQMS-5:			AAQMS-6:			AAQMS-7:		
				Avg.	Min	Max	Avg.	Min	Max	Avg.	Min	Max	Avg.	Min	Max	Avg.	Min	Max	Avg.	Min	Max	Avg.	Min	Max
1	PM2.5	µg/m ³	60 Max	35.6	29.0	41.0	33.7	26.0	42.0	25.4	23.0	29.0	27.1	21.0	31.0	36.5	30.0	39.0	30.0	26.0	33.0	28.1	23.0	33.0
2	PM10	µg/m ³	100 Max	74.4	63.0	89.0	71.8	64.0	81.0	55.7	50.0	64.0	58.8	55.0	68.0	75.8	66.0	83.0	64.6	60.0	73.0	60.1	54.0	67.0
3	Ozone	µg/m ³	100 Max	27.58	22.60	34.08	30.66	25.76	34.07	26.1	22.4	29.7	31.66	27.33	35.48	29.58	25.66	32.16	25.50	21.19	31.53	28.25	23.01	33.19
4	Ammonia	µg/m ³	400 Max	33.65	31.71	36.12	38.34	34.96	42.34	33.1	28.0	37.1	39.94	36.55	42.28	38.28	34.96	43.44	32.79	31.50	33.52	35.45	33.37	39.26
5	NOx	µg/m ³	80 Max	65.6	57.0	72.0	67.1	62.0	72.0	64.2	55.0	71.0	61.0	59.0	64.0	60.5	59.0	62.0	60.6	54.0	64.0	62.9	51.0	67.0
6	Benzene	µg/m ³	5 Max	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	Benzopyrene	ng/m ³	1 Max	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	SOx	µg/m ³	80 Max	39.0	33.0	42.0	40.2	34.0	44.0	33.9	30.0	37.0	40.8	35.0	44.0	39.5	37.0	41.0	37.6	34.0	41.0	38.0	34.0	44.0
9	Pb	µg/m ³	1 Max	0.013	0.010	0.017	0.012	0.008	0.016	0.0	0.0	0.0	0.014	0.009	0.018	0.013	0.009	0.018	0.011	0.009	0.015	0.012	0.008	0.015
10	As	ng/m ³	6 Max	0.25	0.18	0.38	0.27	0.18	0.34	0.3	0.2	0.3	0.24	0.17	0.31	0.30	0.25	0.33	0.21	0.16	0.26	0.25	0.18	0.33
11	Ni	ng/m ³	20 Max	7.72	5.91	10.46	8.86	7.59	9.61	6.1	5.3	6.8	5.67	4.82	6.65	9.15	7.52	10.72	6.69	5.28	9.13	6.29	4.95	7.91
12	CO	mg/m ³	2 Max																0.24	0.11	0.29			

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8. Laboratory Environmental Condition: 23±2 °C and 65 ± 10 %RH.

Dr. RC Sahu
Quality Control Manager
Indian Oil Corporation Ltd
Paradip Refinery

Annexure-6

Sulphur Balance

SULPHUR BALANCE

Apr-24

INPUT

TOTAL CRUDE CHARGED	TMT/Month		1093.706
SULPHUR CONTENT OF CRUDE MIX	% WT		1.654
ADDITIONAL VGO INPUT	TMT/Month		0.000
SULPHUR CONTENT OF ADDITIONAL INPUT	% WT		0.000
INTERMEDIATE FEED STOCK BUILD-UP	TMT/Month		0.000
SULPHUR CONTENT OF ISD	% WT		0.000
SULPHUR CONTENT IN INPUT	TMT/Month		18.09

PRODUCTS MAKE	TMT/Month	AVG. SULPHUR IN PRODUCT, PPM	SULPHUR WT. %	SULPHUR CONTENT, TMT/Month
LPG	75.583	150	0.015	0.01
NAPHTHA	20.049	250	0.025	0.01
PROPYLENE/Fuel for PP	13.096	0.01	0.000	0.00
GASOLENE-88	0	20	0.002	0.00
REFORMATE	83.065	1	0.000	0.00
MS-VI	239.871	10	0.001	0.00
KERO	2.382	1000	0.100	0.00
ATF	46.63	1000	0.100	0.05
HSD	429.865	8.5	0.001	0.00
HF HSD	42.355	10	0.001	0.00
LCO	0	677	0.068	0.00
COKE	102.852	73000.0	7.300	7.51
SULPHUR PRODUCT	10.418			10.42
Sulphur content in product				18.00
ISD build up/line fill				
Sulphur in Input	18.09			
Sulphur in Product	18.00			
S' emission, TMT/Month	0.09			
SO2 emission, kg/hr	248.5			

SRU Recovery

99.51%

SULPHUR BALANCE

May-24

INPUT

TOTAL CRUDE CHARGED	TMT/Month		1155.404
SULPHUR CONTENT OF CRUDE MIX	% WT		1.758
ADDITIONAL VGO INPUT	TMT/Month		0.000
SULPHUR CONTENT OF ADDITIONAL INPUT	% WT		0.000
INTERMEDIATE FEED STOCK BUILD-UP	TMT/Month		0.000
SULPHUR CONTENT OF ISD	% WT		0.000
SULPHUR CONTENT IN INPUT	TMT/Month		20.31

PRODUCTS MAKE	TMT/Month	AVG. SULPHUR IN PRODUCT, PPM	SULPHUR WT. %	SULPHUR CONTENT, TMT/Month
LPG	78.763	150	0.015	0.01
NAPHTHA	9.592	250	0.025	0.00
PROPYLENE/Fuel for PP	13.217	0.01	0.000	0.00
GASOLENE-88	0	20	0.002	0.00
REFORMATE	50.006	1	0.000	0.00
MS-VI	238.486	10	0.001	0.00
KERO	2.14	1000	0.100	0.00
ATF	41.175	1000	0.100	0.04
HSD	424.679	8.5	0.001	0.00
HF HSD	47.512	10	0.001	0.00
LCO	6.728	677	0.068	0.00
COKE	78.845	84600.0	8.460	6.67
SULPHUR PRODUCT	13.473			13.47
Sulphur content in product				20.21
ISD build up/line fill				
Sulphur in Input	20.31			
Sulphur in Product	20.21			
S' emission, TMT/Month	0.10			
SO2 emission, kg/hr	279.5			

SRU Recovery

99.50%

SULPHUR BALANCE

Jun-24

INPUT

TOTAL CRUDE CHARGED	TMT/Month		884.313
SULPHUR CONTENT OF CRUDE MIX	% WT		1.795
ADDITIONAL VGO INPUT	TMT/Month		0.000
SULPHUR CONTENT OF ADDITIONAL INPUT	% WT		0.000
INTERMEDIATE FEED STOCK BUILD-UP	TMT/Month		0.000
SULPHUR CONTENT OF ISD	% WT		0.000
SULPHUR CONTENT IN INPUT	TMT/Month		15.87

PRODUCTS MAKE	TMT/Month	AVG. SULPHUR IN PRODUCT, PPM	SULPHUR WT.%	SULPHUR CONTENT, TMT/Month
LPG	74.2479	150	0.015	0.01
NAPHTHA	15.7174	250	0.025	0.00
PROPYLENE/Fuel for PP	13.2855	0.01	0.000	0.00
GASOLENE-88	0	20	0.002	0.00
REFORMATE	39.7712	1	0.000	0.00
MS-VI	168.3494	10	0.001	0.00
KERO	5.8293	1000	0.100	0.01
ATF	22.2083	1000	0.100	0.02
HSD	199.9186	8.5	0.001	0.00
HF HSD	16.0374	10	0.001	0.00
LCO	12.1706	677	0.068	0.01
COKE	57.695	79000.0	7.900	4.56
SULPHUR PRODUCT	11.205			11.21
Sulphur content in product				15.82
ISD build up/line fill				
Sulphur in Input	15.87			
Sulphur in Product	15.82			
S' emission, TMT/Month	0.06			
SO2 emission, kg/hr	154.0			

SRU Recovery
99.51%

SULPHUR BALANCE

Jul-24

INPUT

TOTAL CRUDE CHARGED	TMT/Month		907.580
SULPHUR CONTENT OF CRUDE MIX	% WT		2.257
ADDITIONAL VGO INPUT	TMT/Month		0.000
SULPHUR CONTENT OF ADDITIONAL INPUT	% WT		0.000
INTERMEDIATE FEED STOCK BUILD-UP	TMT/Month		0.000
SULPHUR CONTENT OF ISD	% WT		0.000
SULPHUR CONTENT IN INPUT	TMT/Month		20.48

PRODUCTS MAKE	TMT/Month	AVG. SULPHUR IN PRODUCT, PPM	SULPHUR WT. %	SULPHUR CONTENT, TMT/Month
LPG	73.34	150	0.015	0.01
NAPHTHA	23.57	250	0.025	0.01
PROPYLENE/Fuel for PP	15.13	0.01	0.000	0.00
GASOLENE-88	0.00	20	0.002	0.00
REFORMATE	66.72	1	0.000	0.00
MS-VI	177.57	10	0.001	0.00
KERO	0.08	1000	0.100	0.00
ATF	26.41	1000	0.100	0.03
HSD	356.28	8.5	0.001	0.00
HF HSD	39.79	10	0.001	0.00
LCO	44.47	677	0.068	0.03
COKE	70.19	72000.0	7.200	5.05
SULPHUR PRODUCT	15.28			15.28
Sulphur content in product				20.41
ISD build up/line fill				
Sulphur in Input	20.48			
Sulphur in Product	20.41			
S' emission, TMT/Month	0.07			
SO2 emission, kg/hr	203.3			

SRU Recovery
99.52%

SULPHUR BALANCE

Aug-24

INPUT

TOTAL CRUDE CHARGED	TMT/Month		1230.419
SULPHUR CONTENT OF CRUDE MIX	% WT		2.199
ADDITIONAL VGO INPUT	TMT/Month		0.000
SULPHUR CONTENT OF ADDITIONAL INPUT	% WT		0.000
INTERMEDIATE FEED STOCK BUILD-UP	TMT/Month		0.000
SULPHUR CONTENT OF ISD	% WT		0.000
SULPHUR CONTENT IN INPUT	TMT/Month		27.06

PRODUCTS MAKE	TMT/Month	AVG. SULPHUR IN PRODUCT, PPM	SULPHUR WT.%	SULPHUR CONTENT, TMT/Month
LPG	101.13	150	0.015	0.02
NAPHTHA	15.71	250	0.025	0.00
PROPYLENE/Fuel for PP	14.75	0.01	0.000	0.00
GASOLENE-88	0.00	20	0.002	0.00
REFORMATE	68.56	1	0.000	0.00
MS-VI	220.35	10	0.001	0.00
KERO	2.60	1000	0.100	0.00
ATF	36.59	1000	0.100	0.04
HSD	409.13	8.5	0.001	0.00
HF HSD	51.29	10	0.001	0.00
LCO	17.84	677	0.068	0.01
COKE	92.73	70510.0	7.051	6.54
SULPHUR PRODUCT	20.34			20.34
Sulphur content in product				26.96
ISD build up/line fill				
Sulphur in Input	27.06			
Sulphur in Product	26.96			
S' emission, TMT/Month	0.10			
SO2 emission, kg/hr	278.0			

SRU Recovery
99.51%

SULPHUR BALANCE

Sep-24

INPUT

TOTAL CRUDE CHARGED	TMT/Month		1228.018
SULPHUR CONTENT OF CRUDE MIX	% WT		2.070
ADDITIONAL VGO INPUT	TMT/Month		0.000
SULPHUR CONTENT OF ADDITIONAL INPUT	% WT		0.000
INTERMEDIATE FEED STOCK BUILD-UP	TMT/Month		0.000
SULPHUR CONTENT OF ISD	% WT		0.000
SULPHUR CONTENT IN INPUT	TMT/Month		25.42

PRODUCTS MAKE	TMT/Month	AVG. SULPHUR IN PRODUCT, PPM	SULPHUR WT. %	SULPHUR CONTENT, TMT/Month
LPG	86.995	150	0.015	0.01
NAPHTHA	35.971	250	0.025	0.01
PROPYLENE/Fuel for PP	14.566	0.01	0.000	0.00
GASOLENE-88	0.000	20	0.002	0.00
REFORMATE	65.598	1	0.000	0.00
MS-VI	258.329	10	0.001	0.00
KERO / PCK	2.518	1000	0.100	0.00
ATF	54.469	1000	0.100	0.05
HSD	501.885	8.5	0.001	0.00
HF HSD	32.917	10	0.001	0.00
LCO	24.540	677	0.068	0.02
COKE	84.160	69700.0	6.970	5.87
SULPHUR PRODUCT	19.367			19.37
Sulphur content in product				25.34
ISD build up/line fill				
Sulphur in Input	25.42			
Sulphur in Product	25.34			
S' emission, TMT/Month	0.09			
SO2 emission, kg/hr	237.0			

SRU Recovery
99.56%

Annexure-7

LDAR Report

REPORT ON
LDAR MONITORING AT
INDIAN OIL ADANI VENTURES LIMITED
BOOT#3 IOCL PARADIP
JULY 2024

SUBMITTED TO



IndianOil Adani Ventures Limited

(Formerly Indian Oiltanking Limited)

Paradip BOOT TRM 80005, IndianOil Adani Ventures, BOOT-3 Terminal, IOCL
Refinery, Jagatsingpur, Paradip, Odisha PIN-754141

SUBMITTED BY:



SGS India Private Limited

28B/1(SP), 28 B/2 (SP), 2nd Main Road,
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1 Introduction

SGS India Private Limited has been contracted to conduct LDAR monitoring at BOOT # 3 & SOJ of IOCL Paradip for 2023-2024 period. Accordingly, the measurement of the identified fugitive emission sources within the study area to detect leaking components as per USEPA 21 Guideline were conducted during JUNE-JULY 2024. Although the leak definition as per CPCB guideline is 3000 ppmv and 5000 ppmv, M/s IOT wanted SGS to report any source emission above 300 ppmv.

1.1 About Industry

IndianOil Adani Ventures Limited (formally known as Indian Oiltanking) jointly owned by IndianOil Corporation and APSEZ provides Infrastructure-led terminalling services to Petroleum, Petrochemical and Chemical companies in India since 1996. Over the past 22 years, the company has evolved into an integrated services provider with niche capabilities in Engineering, Build Capabilities, Operations and Maintenance (O&M) of Storage Terminals. Currently, we operate six terminals in India through various business models including BOO/BOOT (Build, Own, Operate/Transfer) and O&M.

The company brought the concept of independent terminalling in India for Petroleum products, wherein the operator does not own the product and provides services to users on a common user basis. It has pioneered the concepts of 'Build & Own' (BO), 'Build Own Operate' (BOO), BOO & Transfer (BOOT), Operations & Maintenance of third-party terminals in India.

The company has also set up a first-of-its kind crude oil and petroleum product storage BOOT project inside Indian Oil Corporation's refinery at Paradip on India's East Coast, wherein the entire offsite storage of crude and finished products has been built.

PARADIP TERMINAL FACTS

Tank Capacity 1,513,968 cbm

Tanks 51

Tank Types Mild steel, pressure vessel steel

Access Types - Vessels, Tank Trucks, Pipeline, Berth

No. of Berths - 1

Products - Clean Petroleum Products, Crude Oil, Gases

Services - Pipeline connections to refineries, Tank-to-tank transfer, Vessel loading and unloading, Truck loading, Blending services, Homogenizing

2 Sampling Schedule

From 10.07.2024 to 16.07.2024

3 Objective

The objective of the studies to Identifying potential fugitive emission sources and quantification of the fugitive emission during oil production in terminals.

A typical industry can emit tons per year of VOCs from leaking equipment, such as valves, connectors, pumps, sampling connections, compressors, pressure relief devices and open-ended lines etc. Process components covering all joints as mentioned above are monitored under "fugitive emission monitoring" program covering all the components in Boot # 3 & SOJ.

4 Present study

- a) Carry out onsite detection through physical scanning for leaks and vented emissions (if any) in the operating assets using portable analyzer according USEPA Method 21 (sniffing method).
- b) Monitoring and measurement of the identified fugitive emission sources within the study area and tagging the detected leaking components.
- c) The outcome of the study shall focus on the details the programme undertaken, methodology, findings, monitored fugitive emissions rates, conclusion, and recommendations for improvement.

5 Scope of Work

- Fugitive emission monitoring at IOCL Paradip (Boot # 3 & SOJ) terminal.
- Monitoring and measurement of the identified fugitive emission sources (supplied by IOT) within the study area and tagging the detected leaking components as per USEPA method 21.

About LDAR:

Leak Detection and Repair (LDAR) is a program implemented to comply with environmental regulations for reducing the fugitive emissions of targeted chemicals into the environment. Several standards such as *Maximum Achievable Control Technology* (MACT) standards, *New Source Performance Standards* (NSPS), *National Emissions Standards for Hazardous Air Pollutants* (NESHAP) and Central Pollution Control Board (CPCB) require the monitoring and reporting of these fugitive emissions from process equipment.

Process components covering Boot # 3 and SOJ were monitored as LDAR and covered all the components in the process plant. The environmental regulations are prescribed LDAR programs as a means of reducing emissions have very specific standards and applied to a monitoring and repair program. The LDAR study included the following protocols:

- **Types of components (pumps, valves, connectors, Flanges etc.) to be monitored** – All the sources assumed to be leaking source are monitored as per the USEPA Method 21 Protocol.
- **Measured concentration in PPM that indicates a leak** – Emission source is measured at PPM (parts per million) level.
- **Frequency of monitoring** – As per EPA act 1986 page 409, Fugitive emission monitoring program is undertaken every year (including Heat Exchangers and Pump seal as a part of Quarterly Monitoring).
- Method of monitoring
- **Actions to be taken if a leak is discovered** – A leak source above the limit as per EPA act should be reported and repaired immediately and the sources emitting the leak under the limit should be reported and an appropriate action should be undertaken.

- **Length of time in which an initial attempt to repair the leak must be performed** – Depending upon the nature of leak source, a leak source above the limits as per EPA guidelines should be reported and repaired immediately.
- **Actions that must be taken if a leak cannot be repaired within guidelines** – A proper action should be undertaken as a leaking source contributes in air pollution.
- **Record-keeping and reporting requirements** – A proper record should be maintained so that the leak source can be monitored again to see discrepancies if any.

Affected Sources: Each pump, compressor, pressure relief device, sampling connection system, open-ended valve or line, flange and connector that contains or contacts a fluid or gas, that is exceeding more than 5000ppm of pump and compressor seals and 3000 ppm other components is an affected source.

Equipment Leak: A leak is defined as greater than or equal to 3,000 & 5000 ppmv as methane, for organic compounds, as determined by EPA Reference Method 21. Most of the emissions are from valves and connectors because these are most prevalent components and can number in the thousands. The major cause of emissions from valves and connectors is seal or gasket failure due to normal wear or improper maintenance. More than 90% of emissions from the leaking equipment with valves are being the most significant source. The open-ended lines and sampling connections account for as much as 5 – 10% of total VOC emissions from equipment leaks.

Minimum Requirements for an Acceptable Organic LDAR Program:

- Each affected source is screened initially using USEPA Method 21.
- Monthly visual inspections must be performed by industry on each affected source for signs of leakage (e.g. dripping liquid, spraying, misting, clouding, ice formation, distinctive odors, etc.).
- Monitoring of each affected source is to be conducting quarterly using Method 21.

All potential leak points associated with a component must be identified and screened for leaks. The detected leaks by Method 21 test was tagged and repaired. The leak sources are measured after repair and the same is recorded.

6 Methodology of the study:

USEPA Method – 21 was followed to monitor source emissions at IOT/IOCL Paradip.

6.1 Individual Source Surveys.

Leak Definition Based on Concentration. Place the probe inlet at the surface of the component interface where leakage could occur. Move the probe along the interface periphery while

observing the instrument readout. If an increased meter reading is observed, slowly sample the interface where leakage is indicated until the maximum meter reading is obtained. Leave the probe inlet at this maximum reading location for approximately two times the instrument response time. If the maximum observed meter reading is greater than the leak definition in the applicable regulation, record and report the results as specified in the regulation reporting requirements. Examples of the application of this general technique to specific equipment types are:

- Valves - The most common source of leaks from valves is the seal between the stem and housing. Place the probe at the interface where the stem exits the packing gland and sample the stem circumference. Also, place the probe at the interface of the packing gland take-up flange seat and sample the periphery. In addition, survey valve housings of multipart assembly at the surface of all interfaces where a leak could occur.

- **Flanges and Other Connections** - For welded flanges, place the probe at the outer edge of the flange-gasket interface and sample the circumference of the flange. Sample other types of nonpermanent joints (such as threaded connections) with a similar traverse.
- **Pumps and Compressors** - Conduct a circumferential traverse at the outer surface of the pump or compressor shaft and seal interface. If the source is a rotating shaft, position the probe inlet within 1 cm of the shaft-seal interface for the survey. If the housing configuration prevents a complete traverse of the shaft periphery, sample all accessible portions. Sample all other joints on the pump or compressor housing where leakage could occur.
- **Pressure Relief Devices** - The configuration of most pressure relief devices prevents sampling at the sealing seat interface. For those devices equipped with an enclosed extension, or horn, place the probe inlet at approximately the center of the exhaust area to the atmosphere.
- **Process Drains** - For open drains, place the probe inlet at approximately the center of the area open to the atmosphere. For covered drains, place the probe at the surface of the cover interface and conduct a peripheral traverse.
- **Access door seals**. Place the probe inlet at the surface of the door seal interface and conduct a peripheral traverse.

Calculation:

(Reference – EPA 1995 Protocol for Equipment Leak Emission Estimation Table 2-10)

Component Type	Default Zero Factor [Kg/hr]	Correlation Equation [Kg/hr]
Valves	[7.8E-06]	[2.29E-06(SV) ^{0.746}]
Pump Seals	[1.9E-05]	[5.03E-05(SV) ^{0.610}]
Others	[4.0E-06]	[1.36E-05(SV) ^{0.589}]
Connectors	[7.5E-06]	[1.53E-06(SV) ^{0.735}]
Flanges	[3.1E-07]	[4.61E-06(SV) ^{0.703}]
Open-ended Lines	[2.0E-06]	[2.20E-06(SV) ^{0.704}]

The default zero factors apply only when the screening value(SV) corrected for background equals 0 ppmv.

The correlation equations apply for actual screening values, corrected for background.

The “other” component type includes instruments, loading arms, pressure relief valves, vents, compressors, dump lever arms, diaphragms, drains, hatches, meters and polished rods stuffing boxes. This “other” component type should be applied for any component type other than connectors, flanges, open-ended lines, pumps or valves.

For example,

Reference USEPA-Method-21)

The screening value (SV) concentration in Valves is 2600 ppm

$$= \text{RF (\% of VOC Flow/100)} * 0.0000023 * \text{SV}^{0.746}$$

$$\text{RF} = \text{Response Factor} = 1$$

Response Factors of Different Volatiles (USEPA Method-21):	
Gasoline Vapors	1.05
Naphtha	1.0
Heavy Oil	1.1
Petrol & Diesel	0.8
Gasoline Vapors 2	0.7
Light Oil	1.0

% of VOC Flow = material passing on that particular pipe line.

0.00000227 = Correlation factor

SV = Screening Value in ppm

If we will apply all the values in the below formula

= RF (% of VOC Flow/100) *0.0000023*SV^0.746

= 1 (100/100) *0.0000023*2600^0.746

= 0.000815 kg/hr

Total hours of operation per year are 8760 (24 hours x 365 days)

The volatile emission = 7.109 Kgs/year.

SUMMARY OF THE STUDY

SGS has monitored more than four thousand points in study area selected by IOT at IOCL Paradip Boot # 3 area and more than one thousand points at the Berth at Paradip Port.

TEST RESULTS

SUMMARY SHEET OF TVOC EMISSION MEASUREMENT			
UNIT	NO. OF POINT MEASURE	TOTAL VOC EMISSION IN kg/Hr.	TOTAL VOC EMISSION IN kg/Year
Boot # 3	4357	0.013589	119.04839
SOJ	1417	0.000200	1.751742
TOTAL POINTS	5774	0.013789	120.800132

CONCLUSION:

The results are submitted component wise in the enclosed Annexure-1 As per CPCB guidelines no components detected with more than the standard values of 3000ppmv and 5000ppmv. Hence no recommendations are given for repairing of any leakage sources. However M/s IOT wanted SGS to report any source emission above 300 ppmv and accordingly SGS has tagged and reported for the points with emission of 300 ppmv and above. Total 1 point with emission of 300 ppmv and above were detected at BOOT # 3 and one such point was detected at SOJ area. Maximum Screening Value at Boot # 3 was 439 ppmv and that at SOJ(Dock Yard at Paradip Port) was 10 ppmv.

Based on the calculation and concentrations of VOC in the equipment, we took default value 1 & 0.8 for Response Factor (RF) as per the product in the lines.

Results

LDAR points BOOT#3

S.NO	Date	Unit	Component ID & Location	Type	SCREENING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	HOURS OF OPERATION	Kg/Year
1	10.07.2024	LPG PUMP HOUSE-6 PUMP 205 - P-001A	1 SUCTION HOV-1-UP steam	Flange	0.3	1	100	0.000002	8760	0.017323
2	10.07.2024	LPG PUMP HOUSE-6 PUMP 205 - P-001A	1 SUCTION HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
3	10.07.2024	LPG PUMP HOUSE-6 PUMP 205 - P-001A	1 BT SUCTION HOV-1- UP steam	Flange	0	1	100	0.000000	8760	0.000000
4	10.07.2024	LPG PUMP HOUSE-6 PUMP 205 - P-001A	1BT SUCTION HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
5	10.07.2024	LPG PUMP HOUSE-6 PUMP 205 - P-001A	STRAINER FLANGE	Flange	0.1	1	100	0.000001	8760	0.008002
6	10.07.2024	LPG PUMP HOUSE-6 PUMP 205 - P-001A	STRAINER FLANGE HOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
7	10.07.2024	LPG PUMP HOUSE-6 PUMP 205 - P-001A	STRAINER FLANGE HOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
8	10.07.2024	LPG PUMP HOUSE-6 PUMP 205 - P-001A	PUMP SEAL	Pump Seal	0.3	1	100	0.000024	8760	0.211405
9	10.07.2024	LPG PUMP HOUSE-6 PUMP 205 - P-001A	NRV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
10	10.07.2024	LPG PUMP HOUSE-6 PUMP 205 - P-001A	NRV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
11	10.07.2024	LPG PUMP HOUSE-6 PUMP 205 - P-001A	DISCHARGE HOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
12	10.07.2024	LPG PUMP HOUSE-6 PUMP 205 - P-001A	DISCHARGE HOV DOWN STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
13	10.07.2024	LPG PUMP HOUSE-6 PUMP 205 - P-001A	HOV-2-UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
14	10.07.2024	LPG PUMP HOUSE-6 PUMP 205 - P-001A	HOV-2-down steam	Flange	0	1	100	0.000000	8760	0.000000
15	10.07.2024	LPG PUMP HOUSE-6 PUMP 205 - P-001A	LT FLARE HOV UP STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
16	10.07.2024	LPG PUMP HOUSE-6 PUMP 205 - P-001A	LT FLARE HOV DOWN STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
17	10.07.2024	LPG PUMP HOUSE-6 PUMP 205 - P-001A	LT FLARE NRV UP STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
18	10.07.2024	LPG PUMP HOUSE-6 PUMP 205 - P-001A	LT FLARE NRV DOWN STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
19	10.07.2024	LPG PUMP HOUSE PUMP 205 - P-001B	1 SUCTION HOV-1-UP steam	Flange	7	1	100	0.000018	8760	0.158602
20	10.07.2024	LPG PUMP HOUSE PUMP 205 - P-001B	1 SUCTION HOV-1-down steam	Flange	0.2	1	100	0.000001	8760	0.013027
21	10.07.2024	LPG PUMP HOUSE PUMP 205 - P-001B	1 BT SUCTION HOV-1- UP steam	Flange	0.1	1	100	0.000001	8760	0.008002
22	10.07.2024	LPG PUMP HOUSE PUMP 205 - P-001B	1BT SUCTION HOV-1-down steam	Flange	0.7	1	100	0.000004	8760	0.031427
23	10.07.2024	LPG PUMP HOUSE PUMP 205 - P-001B	STRAINER FLANGE	Flange	0	1	100	0.000000	8760	0.000000
24	10.07.2024	LPG PUMP HOUSE PUMP 205 - P-001B	STRAINER FLANGE HOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
25	10.07.2024	LPG PUMP HOUSE PUMP 205 - P-001B	STRAINER FLANGE HOV DOWN STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
26	10.07.2024	LPG PUMP HOUSE PUMP 205 - P-001B	PUMP SEAL	Pump Seal	0	1	100	0.000000	8760	0.000000
27	10.07.2024	LPG PUMP HOUSE PUMP 205 - P-001B	NRV UP STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
28	10.07.2024	LPG PUMP HOUSE PUMP 205 - P-001B	NRV DOWN STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
29	10.07.2024	LPG PUMP HOUSE PUMP 205 - P-001B	DISCHARGE HOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
30	10.07.2024	LPG PUMP HOUSE PUMP 205 - P-001B	DISCHARGE HOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
31	10.07.2024	LPG PUMP HOUSE PUMP 205 - P-001B	HOV-2-UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
32	10.07.2024	LPG PUMP HOUSE PUMP 205 - P-001B	HOV-2-down steam	Flange	0	1	100	0.000000	8760	0.000000
33	10.07.2024	LPG PUMP HOUSE PUMP 205 - P-001B	LT FLARE HOV UP STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
34	10.07.2024	LPG PUMP HOUSE PUMP 205 - P-001B	LT FLARE HOV DOWN STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
35	10.07.2024	LPG PUMP HOUSE PUMP 205 - P-001B	LT FLARE NRV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
36	10.07.2024	LPG PUMP HOUSE PUMP 205 - P-001B	LT FLARE NRV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
37	10.07.2024	LPG PUMP HOUSE PUMP 205 - P-001C	1 SUCTION HOV-1-UP steam	Flange	0.1	1	100	0.000001	8760	0.008002
38	10.07.2024	LPG PUMP HOUSE PUMP 205 - P-001C	1 SUCTION HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
39	10.07.2024	LPG PUMP HOUSE PUMP 205 - P-001C	1 BT SUCTION HOV-1- UP steam	Flange	0	1	100	0.000000	8760	0.000000
40	10.07.2024	LPG PUMP HOUSE PUMP 205 - P-001C	1BT SUCTION HOV-1-down steam	Flange	0.1	1	100	0.000001	8760	0.008002
41	10.07.2024	LPG PUMP HOUSE PUMP 205 - P-001C	STRAINER FLANGE	Flange	0.2	1	100	0.000001	8760	0.013027
42	10.07.2024	LPG PUMP HOUSE PUMP 205 - P-001C	STRAINER FLANGE HOV UP STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
43	10.07.2024	LPG PUMP HOUSE PUMP 205 - P-001C	STRAINER FLANGE HOV DOWN STEAM	Flange	0.3	1	100	0.000002	8760	0.017323
44	10.07.2024	LPG PUMP HOUSE PUMP 205 - P-001C	PUMP SEAL	Pump Seal	0	1	100	0.000000	8760	0.000000
45	10.07.2024	LPG PUMP HOUSE PUMP 205 - P-001C	NRV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
46	10.07.2024	LPG PUMP HOUSE PUMP 205 - P-001C	NRV DOWN STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
47	10.07.2024	LPG PUMP HOUSE PUMP 205 - P-001C	DISCHARGE HOV UP STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
48	10.07.2024	LPG PUMP HOUSE PUMP 205 - P-001C	DISCHARGE HOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
49	10.07.2024	LPG PUMP HOUSE PUMP 205 - P-001C	HOV-2-UP STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
50	10.07.2024	LPG PUMP HOUSE PUMP 205 - P-001C	HOV-2-down steam	Flange	0	1	100	0.000000	8760	0.000000
51	10.07.2024	LPG PUMP HOUSE PUMP 205 - P-001C	LT FLARE HOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
52	10.07.2024	LPG PUMP HOUSE PUMP 205 - P-001C	LT FLARE HOV DOWN STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
53	10.07.2024	LPG PUMP HOUSE PUMP 205 - P-001C	LT FLARE NRV UP STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
54	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001C	LT FLARE NRV DOWN STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
55	10.07.2024	LPG AREA MOUND I BULLET 205-V-003	BULLET INLET XZV 0001 UPSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
56	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001D	1 SUCTION HOV-1-UP steam	Flange	0.4	1	100	0.000002	8760	0.021206
57	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001D	1 SUCTION HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
58	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001D	1 BT SUCTION HOV-1- UP steam	Flange	0.1	1	100	0.000001	8760	0.008002
59	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001D	1BT SUCTION HOV-1-down steam	Flange	0.1	1	100	0.000001	8760	0.008002
60	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001D	STRAINER FLANGE	Flange	0.2	1	100	0.000001	8760	0.013027
61	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001D	STRAINER FLANGE HOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
62	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001D	STRAINER FLANGE HOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
63	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001D	PUMP SEAL	Pump Seal	0.8	1	100	0.000044	8760	0.384554
64	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001D	NRV UP STEAM	Flange	10	1	100	0.000023	8760	0.203800
65	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001D	NRV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
66	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001D	DISCHARGE HOV UP STEAM	Flange	0.5	1	100	0.000003	8760	0.024807
67	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001D	DISCHARGE HOV DOWN STEAM	Flange	0.3	1	100	0.000002	8760	0.017323
68	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001D	HOV-2-UP STEAM	Flange	0.3	1	100	0.000002	8760	0.017323

69	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001D	HOV-2-down steam	Flange	0.2	1	100	0.000001	8760	0.013027
70	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001D	LT FLARE HOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
71	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001D	LT FLARE HOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
72	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001D	LT FLARE NRV UP STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
73	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001D	LT FLARE NRV DOWN STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
74	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001E	1 SUCTION HOV-1-UP steam	Flange	0.1	1	100	0.000001	8760	0.008002
75	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001E	1 SUCTION HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
76	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001E	1 BT SUCTION HOV-1- UP steam	Flange	0	1	100	0.000000	8760	0.000000
77	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001E	1BT SUCTION HOV-1-down steam	Flange	4	1	100	0.000012	8760	0.107017
78	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001E	STRAINER FLANGE	Flange	0	1	100	0.000000	8760	0.000000
79	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001E	STRAINER FLANGE HOV UP STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
80	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001E	STRAINER FLANGE HOV DOWN STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
81	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001E	PUMP SEAL	Pump Seal	0	1	100	0.000000	8760	0.000000
82	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001E	NRV UP STEAM	Flange	0.3	1	100	0.000002	8760	0.017323
83	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001E	NRV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
84	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001E	DISCHARGE HOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
85	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001E	DISCHARGE HOV DOWN STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
86	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001E	HOV-2-UP STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
87	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001E	HOV-2-down steam	Flange	0.2	1	100	0.000001	8760	0.013027
88	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001E	LT FLARE HOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
89	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001E	LT FLARE HOV DOWN STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
90	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001E	LT FLARE NRV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
91	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001E	LT FLARE NRV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
92	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001F	1 SUCTION HOV-1-UP steam	Flange	0	1	100	0.000000	8760	0.000000
93	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001F	1 SUCTION HOV-1-down steam	Flange	0.1	1	100	0.000001	8760	0.008002
94	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001F	1 BT SUCTION HOV-1- UP steam	Flange	0	1	100	0.000000	8760	0.000000
95	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001F	1BT SUCTION HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
96	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001F	STRAINER FLANGE	Flange	0.1	1	100	0.000001	8760	0.008002
97	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001F	STRAINER FLANGE HOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
98	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001F	STRAINER FLANGE HOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
99	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001F	PUMP SEAL	Pump Seal	0	1	100	0.000000	8760	0.000000
100	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001F	NRV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
101	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001F	NRV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
102	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001F	DISCHARGE HOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
103	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001F	DISCHARGE HOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
104	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001F	HOV-2-UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
105	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001F	HOV-2-down steam	Flange	0	1	100	0.000000	8760	0.000000
106	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001F	LT FLARE HOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
107	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001F	LT FLARE HOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
108	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001F	LT FLARE NRV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
109	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-001F	LT FLARE NRV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
110	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-027A	1 SUCTION HOV-1-UP steam	Flange	0	1	100	0.000000	8760	0.000000
111	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-027A	1 SUCTION HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
112	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-027A	STRAINER FLANGE	Flange	0.1	1	100	0.000001	8760	0.008002
113	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-027A	STRAINER FLANGE HOV UP STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
114	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-027A	STRAINER FLANGE HOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
115	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-027A	PUMP SEAL	Pump Seal	0.1	1	100	0.000012	8760	0.108161
116	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-027A	NRV UP STEAM	Flange	88	1	100	0.000107	8760	0.940105
117	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-027A	NRV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
118	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-027A	DISCHARGE HOV UP STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
119	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-027A	DISCHARGE HOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
120	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-027A	LT FLARE HOV UP STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
121	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-027A	LT FLARE HOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
122	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-027A	LT FLARE NRV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
123	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-027A	LT FLARE NRV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
124	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-027B	1 SUCTION HOV-1-UP steam	Flange	0	1	100	0.000000	8760	0.000000
125	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-027B	1 SUCTION HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
126	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-027B	STRAINER FLANGE	Flange	0.1	1	100	0.000001	8760	0.008002
127	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-027B	STRAINER FLANGE HOV UP STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
128	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-027B	STRAINER FLANGE HOV DOWN STEAM	Flange	2.2	1	100	0.000008	8760	0.070296
129	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-027B	PUMP SEAL	Pump Seal	0.2	1	100	0.000019	8760	0.165082
130	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-027B	NRV UP STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
131	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-027B	NRV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
132	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-027B	DISCHARGE HOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
133	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-027B	DISCHARGE HOV DOWN STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
134	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-027B	LT FLARE HOV UP STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
135	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-027B	LT FLARE HOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
136	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-027B	LT FLARE NRV UP STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
137	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-027B	LT FLARE NRV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
138	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-027C	1 SUCTION HOV-1-UP steam	Flange	0	1	100	0.000000	8760	0.000000
139	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-027C	1 SUCTION HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
140	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-027C	STRAINER FLANGE	Flange	0	1	100	0.000000	8760	0.000000

141	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-027C	STRAINER FLANGE HOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
142	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-027C	STRAINER FLANGE HOV DOWN STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
143	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-027C	PUMP SEAL	Pump Seal	0	1	100	0.000000	8760	0.000000
144	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-027C	NRV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
145	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-027C	NRV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
146	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-027C	DISCHARGE HOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
147	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-027C	DISCHARGE HOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
148	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-027C	LT FLARE HOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
149	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-027C	LT FLARE HOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
150	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-027C	LT FLARE NRV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
151	10.07.2024	LPG PUMP HOUSE- 5 PUMP 205 - P-027C	LT FLARE NRV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
152	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-028A	1 SUCTION HOV-1-UP steam	Flange	0	1	100	0.000000	8760	0.000000
153	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-028A	1 SUCTION HOV-1-down steam	Flange	2.1	1	100	0.000008	8760	0.068034
154	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-028A	STRAINER FLANGE	Flange	0.2	1	100	0.000001	8760	0.013027
155	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-028A	STRAINER FLANGE HOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
156	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-028A	STRAINER FLANGE HOV DOWN STEAM	Flange	1.9	1	100	0.000007	8760	0.063412
157	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-028A	PUMP SEAL	Pump Seal	0.1	1	100	0.000012	8760	0.108161
158	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-028A	NRV UP STEAM	Flange	3.4	1	100	0.000011	8760	0.095463
159	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-028A	NRV DOWN STEAM	Flange	0.4	1	100	0.000002	8760	0.021206
160	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-028A	DISCHARGE HOV UP STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
161	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-028A	DISCHARGE HOV DOWN STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
162	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-028A	LT FLARE HOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
163	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-028A	LT FLARE HOV DOWN STEAM	Flange	0.4	1	100	0.000002	8760	0.021206
164	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-028A	LT FLARE NRV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
165	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-028A	LT FLARE NRV DOWN STEAM	Flange	0.3	1	100	0.000002	8760	0.017323
166	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-028B	1 SUCTION HOV-1-UP steam	Flange	0.2	1	100	0.000001	8760	0.013027
167	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-028B	1 SUCTION HOV-1-down steam	Flange	2.1	1	100	0.000008	8760	0.068034
168	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-028B	STRAINER FLANGE	Flange	5	1	100	0.000014	8760	0.125193
169	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-028B	STRAINER FLANGE HOV UP STEAM	Flange	2	1	100	0.000008	8760	0.065740
170	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-028B	STRAINER FLANGE HOV DOWN STEAM	Flange	2.1	1	100	0.000008	8760	0.068034
171	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-028B	PUMP SEAL	Pump Seal	6	1	100	0.000150	8760	1.314451
172	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-028B	NRV UP STEAM	Flange	6.7	1	100	0.000018	8760	0.153793
173	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-028B	NRV DOWN STEAM	Flange	200	1	100	0.000191	8760	1.674284
174	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-028B	DISCHARGE HOV UP STEAM	Flange	1.2	1	100	0.000005	8760	0.045906
175	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-028B	DISCHARGE HOV DOWN STEAM	Flange	287	1	100	0.000246	8760	2.158221
176	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-028B	LT FLARE HOV UP STEAM	Flange	1	1	100	0.000005	8760	0.040384
177	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-028B	LT FLARE HOV DOWN STEAM	Flange	200	1	100	0.000191	8760	1.674284
178	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-028B	LT FLARE NRV UP STEAM	Flange	1.1	1	100	0.000005	8760	0.043182
179	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-028B	LT FLARE NRV DOWN STEAM	Flange	200	1	100	0.000191	8760	1.674284
180	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-028C	1 SUCTION HOV-1-UP steam	Flange	0.1	1	100	0.000001	8760	0.008002
181	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-028C	1 SUCTION HOV-1-down steam	Flange	0.7	1	100	0.000004	8760	0.031427
182	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-028C	STRAINER FLANGE	Flange	0.2	1	100	0.000001	8760	0.013027
183	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-028C	STRAINER FLANGE HOV UP STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
184	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-028C	STRAINER FLANGE HOV DOWN STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
185	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-028C	PUMP SEAL	Pump Seal	7.5	1	100	0.000172	8760	1.506120
186	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-028C	NRV UP STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
187	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-028C	NRV DOWN STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
188	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-028C	DISCHARGE HOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
189	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-028C	DISCHARGE HOV DOWN STEAM	Flange	0.3	1	100	0.000002	8760	0.017323
190	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-028C	LT FLARE HOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
191	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-028C	LT FLARE HOV DOWN STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
192	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-028C	LT FLARE NRV UP STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
193	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-028C	LT FLARE NRV DOWN STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
194	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-029A	1 SUCTION HOV-1-UP steam	Flange	0	1	100	0.000000	8760	0.000000
195	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-029A	1 SUCTION HOV-1-down steam	Flange	0.1	1	100	0.000001	8760	0.008002
196	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-029A	STRAINER FLANGE	Flange	0	1	100	0.000000	8760	0.000000
197	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-029A	STRAINER FLANGE HOV UP STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
198	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-029A	STRAINER FLANGE HOV DOWN STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
199	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-029A	PUMP SEAL	Pump Seal	1.1	1	100	0.000053	8760	0.467005
200	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-029A	NRV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
201	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-029A	NRV DOWN STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
202	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-029A	DISCHARGE HOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
203	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-029A	DISCHARGE HOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
204	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-029A	LT FLARE HOV UP STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
205	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-029A	LT FLARE HOV DOWN STEAM	Flange	0.3	1	100	0.000002	8760	0.017323
206	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-029A	LT FLARE NRV UP STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
207	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-029A	LT FLARE NRV DOWN STEAM	Flange	0.3	1	100	0.000002	8760	0.017323
208	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-029B	1 SUCTION HOV-1-UP steam	Flange	0.3	1	100	0.000002	8760	0.017323
209	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-029B	1 SUCTION HOV-1-down steam	Flange	0.2	1	100	0.000001	8760	0.013027
210	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-029B	STRAINER FLANGE	Flange	0.1	1	100	0.000001	8760	0.008002
211	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-029B	STRAINER FLANGE HOV UP STEAM	Flange	0.3	1	100	0.000002	8760	0.017323
212	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-029B	STRAINER FLANGE HOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000

213	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-029B	PUMP SEAL	Pump Seal	12.1	1	100	0.000230	8760	2.016374
214	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-029B	NRV UP STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
215	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-029B	NRV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
216	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-029B	DISCHARGE HOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
217	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-029B	DISCHARGE HOV DOWN STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
218	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-029B	LT FLARE HOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
219	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-029B	LT FLARE HOV DOWN STEAM	Flange	0.3	1	100	0.000002	8760	0.017323
220	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-029B	LT FLARE NRV UP STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
221	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-029B	LT FLARE NRV DOWN STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
222	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-029C	1 SUCTION HOV-1-UP steam	Flange	1.1	1	100	0.000005	8760	0.043182
223	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-029C	1 SUCTION HOV-1-down steam	Flange	4	1	100	0.000012	8760	0.107017
224	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-029C	STRAINER FLANGE	Flange	0	1	100	0.000000	8760	0.000000
225	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-029C	STRAINER FLANGE HOV UP STEAM	Flange	3.2	1	100	0.000010	8760	0.091480
226	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-029C	STRAINER FLANGE HOV DOWN STEAM	Flange	1.2	1	100	0.000005	8760	0.045906
227	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-029C	PUMP SEAL	Pump Seal	0.9	1	100	0.000047	8760	0.413200
228	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-029C	NRV UP STEAM	Flange	2.1	1	100	0.000008	8760	0.068034
229	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-029C	NRV DOWN STEAM	Flange	0.9	1	100	0.000004	8760	0.037501
230	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-029C	DISCHARGE HOV UP STEAM	Flange	1	1	100	0.000005	8760	0.040384
231	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-029C	DISCHARGE HOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
232	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-029C	LT FLARE HOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
233	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-029C	LT FLARE HOV DOWN STEAM	Flange	0.3	1	100	0.000002	8760	0.017323
234	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-029C	LT FLARE NRV UP STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
235	10.07.2024	LPG PUMP HOUSE- 9 PUMP 205 - P-029C	LT FLARE NRV DOWN STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
236	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV-1-up steam	Flange	7.2	1	100	0.000018	8760	0.161774
237	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV-1-down steam	Flange	62.5	1	100	0.000084	8760	0.739109
238	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV-2-up steam	Flange	4.2	1	100	0.000013	8760	0.110751
239	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV-2-down steam	Flange	3.2	1	100	0.000010	8760	0.091480
240	11.07.2024	LPG PSV PLATFORM MOUND - 1	HOV-1-UP steam	Flange	4.9	1	100	0.000014	8760	0.123428
241	11.07.2024	LPG PSV PLATFORM MOUND - 1	HOV-1-down steam	Flange	52.9	1	100	0.000075	8760	0.657347
242	11.07.2024	LPG PSV PLATFORM MOUND - 1	HOV-2-UP steam	Flange	0.9	1	100	0.000004	8760	0.037501
243	11.07.2024	LPG PSV PLATFORM MOUND - 1	HOV-2-down steam	Flange	2.1	1	100	0.000008	8760	0.068034
244	11.07.2024	LPG PSV PLATFORM MOUND - 1	HOV-3-UP steam	Flange	1.4	1	100	0.000006	8760	0.051160
245	11.07.2024	LPG PSV PLATFORM MOUND - 1	HOV-3-down steam	Flange	2.8	1	100	0.000010	8760	0.083283
246	11.07.2024	LPG PSV PLATFORM MOUND - 1	HOV-4-UP steam	Flange	0.7	1	100	0.000004	8760	0.031427
247	11.07.2024	LPG PSV PLATFORM MOUND - 1	HOV-4-down steam	Flange	1.4	1	100	0.000006	8760	0.051160
248	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV-1-up steam	Flange	1.3	1	100	0.000006	8760	0.048563
249	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV-1-down steam	Flange	2.2	1	100	0.000008	8760	0.070296
250	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV-2-up steam	Flange	8.9	1	100	0.000021	8760	0.187770
251	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV-2-down steam	Flange	0	1	100	0.000000	8760	0.000000
252	11.07.2024	LPG PSV PLATFORM MOUND - 1	HOV-1-UP steam	Flange	0.7	1	100	0.000004	8760	0.031427
253	11.07.2024	LPG PSV PLATFORM MOUND - 1	HOV-1-down steam	Flange	1.5	1	100	0.000006	8760	0.053703
254	11.07.2024	LPG PSV PLATFORM MOUND - 1	HOV-2-UP steam	Flange	1.8	1	100	0.000007	8760	0.061047
255	11.07.2024	LPG PSV PLATFORM MOUND - 1	HOV-2-down steam	Flange	2	1	100	0.000008	8760	0.065740
256	11.07.2024	LPG PSV PLATFORM MOUND - 1	HOV-3-UP steam	Flange	3.6	1	100	0.000011	8760	0.099377
257	11.07.2024	LPG PSV PLATFORM MOUND - 1	HOV-3-down steam	Flange	1.1	1	100	0.000005	8760	0.043182
258	11.07.2024	LPG PSV PLATFORM MOUND - 1	HOV-4-UP steam	Flange	14.2	1	100	0.000030	8760	0.260774
259	11.07.2024	LPG PSV PLATFORM MOUND - 1	HOV-4-down steam	Flange	10.7	1	100	0.000024	8760	0.213728
260	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV-1-up steam	Flange	4.2	1	100	0.000013	8760	0.110751
261	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV-1-down steam	Flange	3.7	1	100	0.000012	8760	0.101310
262	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV-2-up steam	Flange	3.1	1	100	0.000010	8760	0.089461
263	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV-2-down steam	Flange	439.2	1	100	0.000332	8760	2.910695
264	11.07.2024	LPG PSV PLATFORM MOUND - 1	HOV-1-UP steam	Flange	10.2	1	100	0.000024	8760	0.206657
265	11.07.2024	LPG PSV PLATFORM MOUND - 1	HOV-1-down steam	Flange	3.4	1	100	0.000011	8760	0.095463
266	11.07.2024	LPG PSV PLATFORM MOUND - 1	HOV-2-UP steam	Flange	1.1	1	100	0.000005	8760	0.043182
267	11.07.2024	LPG PSV PLATFORM MOUND - 1	HOV-2-down steam	Flange	0.7	1	100	0.000004	8760	0.031427
268	11.07.2024	LPG PSV PLATFORM MOUND - 1	HOV-3-UP steam	Flange	0.8	1	100	0.000004	8760	0.034521
269	11.07.2024	LPG PSV PLATFORM MOUND - 1	HOV-3-down steam	Flange	0.4	1	100	0.000002	8760	0.021206
270	11.07.2024	LPG PSV PLATFORM MOUND - 1	HOV-4-UP steam	Flange	0.7	1	100	0.000004	8760	0.031427
271	11.07.2024	LPG PSV PLATFORM MOUND - 1	HOV-4-down steam	Flange	1.3	1	100	0.000006	8760	0.048563
272	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV-1-up steam	Flange	1.9	1	100	0.000007	8760	0.063412
273	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV-1-down steam	Flange	2	1	100	0.000008	8760	0.065740
274	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV-2-up steam	Flange	1.8	1	100	0.000007	8760	0.061047
275	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV-2-down steam	Flange	1.5	1	100	0.000006	8760	0.053703
276	11.07.2024	LPG PSV PLATFORM MOUND - 1	HOV-1-UP steam	Flange	2.2	1	100	0.000008	8760	0.070296
277	11.07.2024	LPG PSV PLATFORM MOUND - 1	HOV-1-down steam	Flange	1.6	1	100	0.000006	8760	0.056195
278	11.07.2024	LPG PSV PLATFORM MOUND - 1	HOV-2-UP steam	Flange	1.9	1	100	0.000007	8760	0.063412
279	11.07.2024	LPG PSV PLATFORM MOUND - 1	HOV-2-down steam	Flange	21.5	1	100	0.000040	8760	0.349067
280	11.07.2024	LPG PSV PLATFORM MOUND - 1	HOV-3-UP steam	Flange	30.7	1	100	0.000051	8760	0.448398
281	11.07.2024	LPG PSV PLATFORM MOUND - 1	HOV-3-down steam	Flange	41.2	1	100	0.000063	8760	0.551414
282	11.07.2024	LPG PSV PLATFORM MOUND - 1	HOV-4-UP steam	Flange	2.5	1	100	0.000009	8760	0.076905
283	11.07.2024	LPG PSV PLATFORM MOUND - 1	HOV-4-down steam	Flange	4.2	1	100	0.000013	8760	0.110751
284	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV-1-up steam	Flange	5.1	1	100	0.000014	8760	0.126948

285	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV-1-down steam	Flange	0.9	1	100	0.000004	8760	0.037501
286	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV-2-up steam	Flange	0.7	1	100	0.000004	8760	0.031427
287	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV-2-down steam	Flange	1.6	1	100	0.000006	8760	0.056195
288	11.07.2024	LPG PSV PLATFORM MOUND - 1	HOV-1-UP steam	Flange	2.4	1	100	0.000009	8760	0.074730
289	11.07.2024	LPG PSV PLATFORM MOUND - 1	HOV-1-down steam	Flange	4.1	1	100	0.000012	8760	0.108891
290	11.07.2024	LPG PSV PLATFORM MOUND - 1	HOV-2-UP steam	Flange	9.3	1	100	0.000022	8760	0.193664
291	11.07.2024	LPG PSV PLATFORM MOUND - 1	HOV-2-down steam	Flange	7.5	1	100	0.000019	8760	0.166484
292	11.07.2024	LPG PSV PLATFORM MOUND - 1	HOV-3-UP steam	Flange	3.2	1	100	0.000010	8760	0.091480
293	11.07.2024	LPG PSV PLATFORM MOUND - 1	HOV-3-down steam	Flange	2.7	1	100	0.000009	8760	0.081181
294	11.07.2024	LPG PSV PLATFORM MOUND - 1	HOV-4-UP steam	Flange	1.5	1	100	0.000006	8760	0.053703
295	11.07.2024	LPG PSV PLATFORM MOUND - 1	HOV-4-down steam	Flange	4.8	1	100	0.000014	8760	0.121652
296	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV-1-up steam	Flange	0.9	1	100	0.000004	8760	0.037501
297	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV-1-down steam	Flange	4.6	1	100	0.000013	8760	0.118066
298	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV-2-up steam	Flange	8.1	1	100	0.000020	8760	0.175740
299	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV-2-down steam	Flange	2.4	1	100	0.000009	8760	0.074730
300	11.07.2024	LPG PSV PLATFORM MOUND - 1	HOV-1-UP steam	Flange	8.2	1	100	0.000020	8760	0.177262
301	11.07.2024	LPG PSV PLATFORM MOUND - 1	HOV-1-down steam	Flange	9.1	1	100	0.000022	8760	0.190727
302	11.07.2024	LPG PSV PLATFORM MOUND - 1	HOV-2-UP steam	Flange	7.5	1	100	0.000019	8760	0.166484
303	11.07.2024	LPG PSV PLATFORM MOUND - 1	HOV-2-down steam	Flange	3.2	1	100	0.000010	8760	0.091480
304	11.07.2024	LPG PSV PLATFORM MOUND - 1	HOV-3-UP steam	Flange	4.1	1	100	0.000012	8760	0.108891
305	11.07.2024	LPG PSV PLATFORM MOUND - 1	HOV-3-down steam	Flange	8.4	1	100	0.000021	8760	0.180291
306	11.07.2024	LPG PSV PLATFORM MOUND - 1	HOV-4-UP steam	Flange	2	1	100	0.000008	8760	0.065740
307	11.07.2024	LPG PSV PLATFORM MOUND - 1	HOV-4-down steam	Flange	1.6	1	100	0.000006	8760	0.056195
308	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV SMALL FLANGE	Flange	2.3	1	100	0.000008	8760	0.072527
309	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV SMALL FLANGE	Flange	1.6	1	100	0.000006	8760	0.056195
310	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV SMALL FLANGE	Flange	0.8	1	100	0.000004	8760	0.034521
311	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV SMALL FLANGE	Flange	0	1	100	0.000000	8760	0.000000
312	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV SMALL FLANGE	Flange	1.6	1	100	0.000006	8760	0.056195
313	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV SMALL FLANGE	Flange	2.4	1	100	0.000009	8760	0.074730
314	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV SMALL FLANGE	Flange	2.1	1	100	0.000008	8760	0.068034
315	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV SMALL FLANGE	Flange	3.1	1	100	0.000010	8760	0.089461
316	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV SMALL FLANGE	Flange	7.6	1	100	0.000019	8760	0.168042
317	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV SMALL FLANGE	Flange	5.1	1	100	0.000014	8760	0.126948
318	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV SMALL FLANGE	Flange	0.9	1	100	0.000004	8760	0.037501
319	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV SMALL FLANGE	Flange	4.2	1	100	0.000013	8760	0.110751
320	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV SMALL FLANGE	Flange	3.1	1	100	0.000010	8760	0.089461
321	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV SMALL FLANGE	Flange	2	1	100	0.000008	8760	0.065740
322	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV SMALL FLANGE	Flange	1.4	1	100	0.000006	8760	0.051160
323	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV SMALL FLANGE	Flange	0.8	1	100	0.000004	8760	0.034521
324	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV SMALL FLANGE	Flange	1.2	1	100	0.000005	8760	0.045906
325	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV SMALL FLANGE	Flange	1.7	1	100	0.000007	8760	0.058642
326	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV SMALL FLANGE	Flange	1.9	1	100	0.000007	8760	0.063412
327	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV SMALL FLANGE	Flange	2.7	1	100	0.000009	8760	0.081181
328	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV SMALL FLANGE	Flange	1.5	1	100	0.000006	8760	0.053703
329	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV SMALL FLANGE	Flange	3	1	100	0.000010	8760	0.087422
330	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV SMALL FLANGE	Flange	0.8	1	100	0.000004	8760	0.034521
331	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV SMALL FLANGE	Flange	1.7	1	100	0.000007	8760	0.058642
332	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV HOV	Flange	1.2	1	100	0.000005	8760	0.045906
333	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV HOV	Flange	0.8	1	100	0.000004	8760	0.034521
334	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV HOV	Flange	1.5	1	100	0.000006	8760	0.053703
335	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV HOV	Flange	1.2	1	100	0.000005	8760	0.045906
336	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV HOV	Flange	2.9	1	100	0.000010	8760	0.085363
337	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV HOV	Flange	3.4	1	100	0.000011	8760	0.095463
338	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV HOV	Flange	1.5	1	100	0.000006	8760	0.053703
339	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV HOV	Flange	1.1	1	100	0.000005	8760	0.043182
340	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV HOV	Flange	0.8	1	100	0.000004	8760	0.034521
341	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV HOV	Flange	0.7	1	100	0.000004	8760	0.031427
342	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV HOV	Flange	0.7	1	100	0.000004	8760	0.031427
343	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV HOV	Flange	0.8	1	100	0.000004	8760	0.034521
344	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV HOV	Flange	1.5	1	100	0.000006	8760	0.053703
345	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV HOV	Flange	1.8	1	100	0.000007	8760	0.061047
346	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV HOV	Flange	1.3	1	100	0.000006	8760	0.048563
347	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV HOV	Flange	1.6	1	100	0.000006	8760	0.056195
348	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV HOV	Flange	2.7	1	100	0.000009	8760	0.081181
349	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV HOV	Flange	3	1	100	0.000010	8760	0.087422
350	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV HOV	Flange	2.4	1	100	0.000009	8760	0.074730
351	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV HOV	Flange	1.3	1	100	0.000006	8760	0.048563
352	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV HOV	Flange	2	1	100	0.000008	8760	0.065740
353	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV HOV	Flange	0.9	1	100	0.000004	8760	0.037501
354	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV HOV	Flange	0.8	1	100	0.000004	8760	0.034521
355	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV HOV	Flange	0.8	1	100	0.000004	8760	0.034521
356	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV HOV	Flange	0.7	1	100	0.000004	8760	0.031427

357	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV HOV	Flange	0.9	1	100	0.000004	8760	0.037501
358	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV HOV	Flange	1.2	1	100	0.000005	8760	0.045906
359	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV HOV	Flange	1.4	1	100	0.000006	8760	0.051160
360	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV HOV	Flange	1.2	1	100	0.000005	8760	0.045906
361	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV HOV	Flange	0.8	1	100	0.000004	8760	0.034521
362	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV HOV	Flange	1.7	1	100	0.000007	8760	0.058642
363	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV HOV	Flange	2.8	1	100	0.000010	8760	0.083283
364	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV HOV	Flange	3.4	1	100	0.000011	8760	0.095463
365	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV HOV	Flange	8.6	1	100	0.000021	8760	0.183298
366	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV HOV	Flange	7.1	1	100	0.000018	8760	0.160192
367	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV HOV	Flange	5.5	1	100	0.000015	8760	0.133869
368	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV HOV	Flange	2	1	100	0.000008	8760	0.065740
369	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV HOV	Flange	1.7	1	100	0.000007	8760	0.058642
370	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV HOV	Flange	3.4	1	100	0.000011	8760	0.095463
371	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV HOV	Flange	0.7	1	100	0.000004	8760	0.031427
372	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV HOV	Flange	1.4	1	100	0.000006	8760	0.051160
373	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV HOV	Flange	1.8	1	100	0.000007	8760	0.061047
374	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV HOV	Flange	1.7	1	100	0.000007	8760	0.058642
375	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV HOV	Flange	1.9	1	100	0.000007	8760	0.063412
376	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV HOV	Flange	1.9	1	100	0.000007	8760	0.063412
377	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV HOV	Flange	1.7	1	100	0.000007	8760	0.058642
378	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV HOV	Flange	2.8	1	100	0.000010	8760	0.083283
379	11.07.2024	LPG PSV PLATFORM MOUND - 1	PSV HOV	Flange	0.8	1	100	0.000004	8760	0.034521
380	11.07.2024	LPG PSV PLATFORM MOUND - 1	OTHER HOVS	Flange	0.7	1	100	0.000004	8760	0.031427
381	11.07.2024	LPG PSV PLATFORM MOUND - 1	OTHER HOVS	Flange	4.4	1	100	0.000013	8760	0.114433
382	11.07.2024	LPG PSV PLATFORM MOUND - 1	OTHER HOVS	Flange	1.7	1	100	0.000007	8760	0.058642
383	11.07.2024	LPG PSV PLATFORM MOUND - 1	OTHER HOVS	Flange	2.8	1	100	0.000010	8760	0.083283
384	11.07.2024	LPG PSV PLATFORM MOUND - 1	OTHER HOVS	Flange	3.3	1	100	0.000011	8760	0.093480
385	11.07.2024	LPG PSV PLATFORM MOUND - 1	OTHER HOVS	Flange	0.8	1	100	0.000004	8760	0.034521
386	11.07.2024	LPG PSV PLATFORM MOUND - 1	OTHER HOVS	Flange	0.8	1	100	0.000004	8760	0.034521
387	11.07.2024	LPG PSV PLATFORM MOUND - 1	OTHER HOVS	Flange	1.7	1	100	0.000007	8760	0.058642
388	11.07.2024	LPG PSV PLATFORM MOUND - 1	OTHER HOVS	Flange	2.2	1	100	0.000008	8760	0.070296
389	11.07.2024	LPG PSV PLATFORM MOUND - 1	OTHER HOVS	Flange	3.4	1	100	0.000011	8760	0.095463
390	11.07.2024	LPG PSV PLATFORM MOUND - 1	OTHER HOVS	Flange	3	1	100	0.000010	8760	0.087422
391	11.07.2024	LPG PSV PLATFORM MOUND - 1	OTHER HOVS	Flange	4.2	1	100	0.000013	8760	0.110751
392	11.07.2024	LPG PSV PLATFORM MOUND - 1	OTHER HOVS	Flange	5.1	1	100	0.000014	8760	0.126948
393	11.07.2024	LPG PSV PLATFORM MOUND - 1	OTHER HOVS	Flange	0.9	1	100	0.000004	8760	0.037501
394	11.07.2024	LPG PSV PLATFORM MOUND - 1	OTHER HOVS	Flange	1.1	1	100	0.000005	8760	0.043182
395	11.07.2024	LPG PSV PLATFORM MOUND - 1	OTHER HOVS	Flange	0.8	1	100	0.000004	8760	0.034521
396	11.07.2024	LPG PSV PLATFORM MOUND - 1	OTHER HOVS	Flange	0.9	1	100	0.000004	8760	0.037501
397	11.07.2024	LPG PSV PLATFORM MOUND - 1	OTHER HOVS	Flange	1.4	1	100	0.000006	8760	0.051160
398	11.07.2024	LPG PSV PLATFORM MOUND - 1	OTHER HOVS	Flange	1.7	1	100	0.000007	8760	0.058642
399	11.07.2024	LPG PSV PLATFORM MOUND - 1	OTHER HOVS	Flange	2.8	1	100	0.000010	8760	0.083283
400	11.07.2024	LPG PSV PLATFORM MOUND - 1	OTHER HOVS	Flange	3	1	100	0.000010	8760	0.087422
401	11.07.2024	LPG PSV PLATFORM MOUND - 1	OTHER HOVS	Flange	1.2	1	100	0.000005	8760	0.045906
402	11.07.2024	LPG PSV PLATFORM MOUND - 1	OTHER HOVS	Flange	1.7	1	100	0.000007	8760	0.058642
403	11.07.2024	LPG PSV PLATFORM MOUND - 1	OTHER HOVS	Flange	0.8	1	100	0.000004	8760	0.034521
404	11.07.2024	LPG PSV PLATFORM MOUND - 2	PSV-1-up steam	Flange	0	1	100	0.000000	8760	0.000000
405	11.07.2024	LPG PSV PLATFORM MOUND - 2	PSV-1-down steam	Flange	0.2	1	100	0.000001	8760	0.013027
406	11.07.2024	LPG PSV PLATFORM MOUND - 2	PSV-2-up steam	Flange	0.2	1	100	0.000001	8760	0.013027
407	11.07.2024	LPG PSV PLATFORM MOUND - 2	PSV-2-down steam	Flange	0	1	100	0.000000	8760	0.000000
408	11.07.2024	LPG PSV PLATFORM MOUND - 2	HOV-1-UP steam	Flange	0	1	100	0.000000	8760	0.000000
409	11.07.2024	LPG PSV PLATFORM MOUND - 2	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
410	11.07.2024	LPG PSV PLATFORM MOUND - 2	HOV-2-UP steam	Flange	0	1	100	0.000000	8760	0.000000
411	11.07.2024	LPG PSV PLATFORM MOUND - 2	HOV-2-down steam	Flange	0	1	100	0.000000	8760	0.000000
412	11.07.2024	LPG PSV PLATFORM MOUND - 2	HOV-3-UP steam	Flange	0.3	1	100	0.000002	8760	0.017323
413	11.07.2024	LPG PSV PLATFORM MOUND - 2	HOV-3-down steam	Flange	0.1	1	100	0.000001	8760	0.008002
414	11.07.2024	LPG PSV PLATFORM MOUND - 2	HOV-4-UP steam	Flange	0.2	1	100	0.000001	8760	0.013027
415	11.07.2024	LPG PSV PLATFORM MOUND - 2	HOV-4-down steam	Flange	0	1	100	0.000000	8760	0.000000
416	11.07.2024	LPG PSV PLATFORM MOUND - 2	PSV-1-up steam	Flange	0	1	100	0.000000	8760	0.000000
417	11.07.2024	LPG PSV PLATFORM MOUND - 2	PSV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
418	11.07.2024	LPG PSV PLATFORM MOUND - 2	PSV-2-up steam	Flange	0	1	100	0.000000	8760	0.000000
419	11.07.2024	LPG PSV PLATFORM MOUND - 2	PSV-2-down steam	Flange	0.2	1	100	0.000001	8760	0.013027
420	11.07.2024	LPG PSV PLATFORM MOUND - 2	HOV-1-UP steam	Flange	0	1	100	0.000000	8760	0.000000
421	11.07.2024	LPG PSV PLATFORM MOUND - 2	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
422	11.07.2024	LPG PSV PLATFORM MOUND - 2	HOV-2-UP steam	Flange	0	1	100	0.000000	8760	0.000000
423	11.07.2024	LPG PSV PLATFORM MOUND - 2	HOV-2-down steam	Flange	0.2	1	100	0.000001	8760	0.013027
424	11.07.2024	LPG PSV PLATFORM MOUND - 2	HOV-3-UP steam	Flange	0	1	100	0.000000	8760	0.000000
425	11.07.2024	LPG PSV PLATFORM MOUND - 2	HOV-3-down steam	Flange	0	1	100	0.000000	8760	0.000000
426	11.07.2024	LPG PSV PLATFORM MOUND - 2	HOV-4-UP steam	Flange	0	1	100	0.000000	8760	0.000000
427	11.07.2024	LPG PSV PLATFORM MOUND - 2	HOV-4-down steam	Flange	0.1	1	100	0.000001	8760	0.008002
428	11.07.2024	LPG PSV PLATFORM MOUND - 2	PSV-1-up steam	Flange	0.1	1	100	0.000001	8760	0.008002

429	11.07.2024	LPG PSV PLATFORM MOUND - 2	PSV-1-down steam	Flange	0.2	1	100	0.000001	8760	0.013027
430	11.07.2024	LPG PSV PLATFORM MOUND - 2	PSV-2-up steam	Flange	0	1	100	0.000000	8760	0.000000
431	11.07.2024	LPG PSV PLATFORM MOUND - 2	PSV-2-down steam	Flange	0	1	100	0.000000	8760	0.000000
432	11.07.2024	LPG PSV PLATFORM MOUND - 2	HOV-1-UP steam	Flange	0	1	100	0.000000	8760	0.000000
433	11.07.2024	LPG PSV PLATFORM MOUND - 2	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
434	11.07.2024	LPG PSV PLATFORM MOUND - 2	HOV-2-UP steam	Flange	0	1	100	0.000000	8760	0.000000
435	11.07.2024	LPG PSV PLATFORM MOUND - 2	HOV-2-down steam	Flange	0.2	1	100	0.000001	8760	0.013027
436	11.07.2024	LPG PSV PLATFORM MOUND - 2	HOV-3-UP steam	Flange	0.3	1	100	0.000002	8760	0.017323
437	11.07.2024	LPG PSV PLATFORM MOUND - 2	HOV-3-down steam	Flange	0	1	100	0.000000	8760	0.000000
438	11.07.2024	LPG PSV PLATFORM MOUND - 2	HOV-4-UP steam	Flange	0.1	1	100	0.000001	8760	0.008002
439	11.07.2024	LPG PSV PLATFORM MOUND - 2	HOV-4-down steam	Flange	0.1	1	100	0.000001	8760	0.008002
440	11.07.2024	LPG PSV PLATFORM MOUND - 2	PSV SMALL FLANGE	Flange	0	1	100	0.000000	8760	0.000000
441	11.07.2024	LPG PSV PLATFORM MOUND - 2	PSV SMALL FLANGE	Flange	0	1	100	0.000000	8760	0.000000
442	11.07.2024	LPG PSV PLATFORM MOUND - 2	PSV SMALL FLANGE	Flange	0.3	1	100	0.000002	8760	0.017323
443	11.07.2024	LPG PSV PLATFORM MOUND - 2	PSV SMALL FLANGE	Flange	0	1	100	0.000000	8760	0.000000
444	11.07.2024	LPG PSV PLATFORM MOUND - 2	PSV SMALL FLANGE	Flange	0.2	1	100	0.000001	8760	0.013027
445	11.07.2024	LPG PSV PLATFORM MOUND - 2	PSV SMALL FLANGE	Flange	0.1	1	100	0.000001	8760	0.008002
446	11.07.2024	LPG PSV PLATFORM MOUND - 2	PSV SMALL FLANGE	Flange	0.1	1	100	0.000001	8760	0.008002
447	11.07.2024	LPG PSV PLATFORM MOUND - 2	PSV SMALL FLANGE	Flange	0	1	100	0.000000	8760	0.000000
448	11.07.2024	LPG PSV PLATFORM MOUND - 2	PSV SMALL FLANGE	Flange	0	1	100	0.000000	8760	0.000000
449	11.07.2024	LPG PSV PLATFORM MOUND - 2	PSV SMALL FLANGE	Flange	0	1	100	0.000000	8760	0.000000
450	11.07.2024	LPG PSV PLATFORM MOUND - 2	PSV SMALL FLANGE	Flange	0.2	1	100	0.000001	8760	0.013027
451	11.07.2024	LPG PSV PLATFORM MOUND - 2	PSV SMALL FLANGE	Flange	0.3	1	100	0.000002	8760	0.017323
452	11.07.2024	LPG PSV PLATFORM MOUND - 2	PSV HOV-872936	Flange	0.4	1	100	0.000002	8760	0.021206
453	11.07.2024	LPG PSV PLATFORM MOUND - 2	PSV HOV-872936	Flange	0.2	1	100	0.000001	8760	0.013027
454	11.07.2024	LPG PSV PLATFORM MOUND - 2	HOV	Flange	0	1	100	0.000000	8760	0.000000
455	11.07.2024	LPG PSV PLATFORM MOUND - 2	HOV	Flange	0.6	1	100	0.000003	8760	0.028200
456	11.07.2024	LPG PSV PLATFORM MOUND - 2	PSV HOV-873021	Flange	0	1	100	0.000000	8760	0.000000
457	11.07.2024	LPG PSV PLATFORM MOUND - 2	PSV HOV-873021	Flange	0.3	1	100	0.000002	8760	0.017323
458	11.07.2024	LPG PSV PLATFORM MOUND - 2	PSV HOV-872990	Flange	0	1	100	0.000000	8760	0.000000
459	11.07.2024	LPG PSV PLATFORM MOUND - 2	PSV HOV-872990	Flange	0.1	1	100	0.000001	8760	0.008002
460	11.07.2024	LPG PSV PLATFORM MOUND - 2	PSV HOV-201119662	Flange	0.4	1	100	0.000002	8760	0.021206
461	11.07.2024	LPG PSV PLATFORM MOUND - 2	PSV HOV-201119662	Flange	0	1	100	0.000000	8760	0.000000
462	11.07.2024	LPG PSV PLATFORM MOUND - 2	PSV HOV-872963	Flange	0	1	100	0.000000	8760	0.000000
463	11.07.2024	LPG PSV PLATFORM MOUND - 2	PSV HOV-872963	Flange	0.3	1	100	0.000002	8760	0.017323
464	11.07.2024	LPG PSV PLATFORM MOUND - 2	PSC HOV 873032	Flange	0.2	1	100	0.000001	8760	0.013027
465	11.07.2024	LPG PSV PLATFORM MOUND - 2	PSC HOV 873032	Flange	0	1	100	0.000000	8760	0.000000
466	11.07.2024	LPG PSV PLATFORM MOUND - 2	NRV	Flange	0	1	100	0.000000	8760	0.000000
467	11.07.2024	LPG PSV PLATFORM MOUND - 2	NRV	Flange	0	1	100	0.000000	8760	0.000000
468	11.07.2024	LPG PSV PLATFORM MOUND - 2	PSC HOV 873030	Flange	0.5	1	100	0.000003	8760	0.024807
469	11.07.2024	LPG PSV PLATFORM MOUND - 2	PSC HOV 873030	Flange	0.3	1	100	0.000002	8760	0.017323
470	11.07.2024	LPG PSV PLATFORM MOUND - 2	HOV	Flange	0.2	1	100	0.000001	8760	0.013027
471	11.07.2024	LPG PSV PLATFORM MOUND - 2	HOV	Flange	0	1	100	0.000000	8760	0.000000
472	11.07.2024	LPG PSV PLATFORM MOUND - 2	HOV-UP steam	Flange	0.1	1	100	0.000001	8760	0.008002
473	11.07.2024	LPG PSV PLATFORM MOUND - 2	HOV down steam	Flange	0	1	100	0.000000	8760	0.000000
474	11.07.2024	LPG PSV PLATFORM MOUND - 2	PSC HOV 873097	Flange	0	1	100	0.000000	8760	0.000000
475	11.07.2024	LPG PSV PLATFORM MOUND - 2	PSC HOV 873097	Flange	0	1	100	0.000000	8760	0.000000
476	11.07.2024	LPG PSV PLATFORM MOUND - 2	OTHER HOVS 156111	Flange	0.2	1	100	0.000001	8760	0.013027
477	11.07.2024	LPG PSV PLATFORM MOUND - 2	OTHER HOVS 156111	Flange	0.2	1	100	0.000001	8760	0.013027
478	11.07.2024	LPG PSV PLATFORM MOUND - 2	HOV 156078	Flange	0	1	100	0.000000	8760	0.000000
479	11.07.2024	LPG PSV PLATFORM MOUND - 2	HOV 156078	Flange	0	1	100	0.000000	8760	0.000000
480	11.07.2024	LPG PSV PLATFORM MOUND - 2	HOV G1 428	Flange	0.3	1	100	0.000002	8760	0.017323
481	11.07.2024	LPG PSV PLATFORM MOUND - 2	HOV G1 428	Flange	0	1	100	0.000000	8760	0.000000
482	11.07.2024	LPG PSV PLATFORM MOUND - 2	HOV 156085	Flange	0.1	1	100	0.000001	8760	0.008002
483	11.07.2024	LPG PSV PLATFORM MOUND - 2	HOV 156085	Flange	0.7	1	100	0.000004	8760	0.031427
484	11.07.2024	LPG PSV PLATFORM MOUND - 2	HOV 156780	Flange	3.4	1	100	0.000011	8760	0.095463
485	11.07.2024	LPG PSV PLATFORM MOUND - 2	HOV 156780	Flange	1.2	1	100	0.000005	8760	0.045906
486	11.07.2024	LPG PSV PLATFORM MOUND - 2	NRV G1 423	Flange	0.8	1	100	0.000004	8760	0.034521
487	11.07.2024	LPG PSV PLATFORM MOUND - 2	NRV G1 423	Flange	1.8	1	100	0.000007	8760	0.061047
488	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV-1-up steam	Flange	2.5	1	100	0.000009	8760	0.076905
489	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV-1-down steam	Flange	1.1	1	100	0.000005	8760	0.043182
490	11.07.2024	LPG PSV PLATFORM MOUND - 3	HOV-1-UP steam	Flange	0.8	1	100	0.000004	8760	0.034521
491	11.07.2024	LPG PSV PLATFORM MOUND - 3	HOV-1-down steam	Flange	2.1	1	100	0.000008	8760	0.068034
492	11.07.2024	LPG PSV PLATFORM MOUND - 3	HOV-2-UP steam	Flange	0.7	1	100	0.000004	8760	0.031427
493	11.07.2024	LPG PSV PLATFORM MOUND - 3	HOV-2-down steam	Flange	12.8	1	100	0.000028	8760	0.242423
494	11.07.2024	LPG PSV PLATFORM MOUND - 3	HOV-3-UP steam	Flange	4.9	1	100	0.000014	8760	0.123428
495	11.07.2024	LPG PSV PLATFORM MOUND - 3	HOV-3-down steam	Flange	2.1	1	100	0.000008	8760	0.068034
496	11.07.2024	LPG PSV PLATFORM MOUND - 3	HOV-4-UP steam	Flange	0.9	1	100	0.000004	8760	0.037501
497	11.07.2024	LPG PSV PLATFORM MOUND - 3	HOV-4-down steam	Flange	1.2	1	100	0.000005	8760	0.045906
498	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV-1-up steam	Flange	1.4	1	100	0.000006	8760	0.051160
499	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV-1-down steam	Flange	1.8	1	100	0.000007	8760	0.061047
500	11.07.2024	LPG PSV PLATFORM MOUND - 3	HOV-1-UP steam	Flange	2	1	100	0.000008	8760	0.065740

501	11.07.2024	LPG PSV PLATFORM MOUND - 3	HOV-1-down steam	Flange	1.5	1	100	0.000006	8760	0.053703
502	11.07.2024	LPG PSV PLATFORM MOUND - 3	HOV-2-UP steam	Flange	0.8	1	100	0.000004	8760	0.034521
503	11.07.2024	LPG PSV PLATFORM MOUND - 3	HOV-2-down steam	Flange	9.2	1	100	0.000022	8760	0.192198
504	11.07.2024	LPG PSV PLATFORM MOUND - 3	HOV-3-UP steam	Flange	4.8	1	100	0.000014	8760	0.121652
505	11.07.2024	LPG PSV PLATFORM MOUND - 3	HOV-3-down steam	Flange	1.2	1	100	0.000005	8760	0.045906
506	11.07.2024	LPG PSV PLATFORM MOUND - 3	HOV-4-UP steam	Flange	0.9	1	100	0.000004	8760	0.037501
507	11.07.2024	LPG PSV PLATFORM MOUND - 3	HOV-4-down steam	Flange	0.7	1	100	0.000004	8760	0.031427
508	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV-1-up steam	Flange	1.6	1	100	0.000006	8760	0.056195
509	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV-1-down steam	Flange	1.4	1	100	0.000006	8760	0.051160
510	11.07.2024	LPG PSV PLATFORM MOUND - 3	HOV-1-UP steam	Flange	0.8	1	100	0.000004	8760	0.034521
511	11.07.2024	LPG PSV PLATFORM MOUND - 3	HOV-1-down steam	Flange	1.5	1	100	0.000006	8760	0.053703
512	11.07.2024	LPG PSV PLATFORM MOUND - 3	HOV-2-UP steam	Flange	2	1	100	0.000008	8760	0.065740
513	11.07.2024	LPG PSV PLATFORM MOUND - 3	HOV-2-down steam	Flange	1.4	1	100	0.000006	8760	0.051160
514	11.07.2024	LPG PSV PLATFORM MOUND - 3	HOV-3-UP steam	Flange	20.8	1	100	0.000039	8760	0.341039
515	11.07.2024	LPG PSV PLATFORM MOUND - 3	HOV-3-down steam	Flange	8.7	1	100	0.000021	8760	0.184794
516	11.07.2024	LPG PSV PLATFORM MOUND - 3	HOV-4-UP steam	Flange	0.8	1	100	0.000004	8760	0.034521
517	11.07.2024	LPG PSV PLATFORM MOUND - 3	HOV-4-down steam	Flange	1.3	1	100	0.000006	8760	0.048563
518	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV-1-up steam	Flange	1.2	1	100	0.000005	8760	0.045906
519	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV-1-down steam	Flange	0.4	1	100	0.000002	8760	0.021206
520	11.07.2024	LPG PSV PLATFORM MOUND - 3	HOV-1-UP steam	Flange	1.7	1	100	0.000007	8760	0.058642
521	11.07.2024	LPG PSV PLATFORM MOUND - 3	HOV-1-down steam	Flange	6.4	1	100	0.000017	8760	0.148919
522	11.07.2024	LPG PSV PLATFORM MOUND - 3	HOV-2-UP steam	Flange	7.2	1	100	0.000018	8760	0.161774
523	11.07.2024	LPG PSV PLATFORM MOUND - 3	HOV-2-down steam	Flange	2.1	1	100	0.000008	8760	0.068034
524	11.07.2024	LPG PSV PLATFORM MOUND - 3	HOV-3-UP steam	Flange	0.8	1	100	0.000004	8760	0.034521
525	11.07.2024	LPG PSV PLATFORM MOUND - 3	HOV-3-down steam	Flange	1.4	1	100	0.000006	8760	0.051160
526	11.07.2024	LPG PSV PLATFORM MOUND - 3	HOV-4-UP steam	Flange	2	1	100	0.000008	8760	0.065740
527	11.07.2024	LPG PSV PLATFORM MOUND - 3	HOV-4-down steam	Flange	1.3	1	100	0.000006	8760	0.048563
528	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV-1-up steam	Flange	0.7	1	100	0.000004	8760	0.031427
529	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV-1-down steam	Flange	0.4	1	100	0.000002	8760	0.021206
530	11.07.2024	LPG PSV PLATFORM MOUND - 3	HOV-1-UP steam	Flange	1.3	1	100	0.000006	8760	0.048563
531	11.07.2024	LPG PSV PLATFORM MOUND - 3	HOV-1-down steam	Flange	0.7	1	100	0.000004	8760	0.031427
532	11.07.2024	LPG PSV PLATFORM MOUND - 3	HOV-2-UP steam	Flange	0.4	1	100	0.000002	8760	0.021206
533	11.07.2024	LPG PSV PLATFORM MOUND - 3	HOV-2-down steam	Flange	0.3	1	100	0.000002	8760	0.017323
534	11.07.2024	LPG PSV PLATFORM MOUND - 3	HOV-3-UP steam	Flange	3.3	1	100	0.000011	8760	0.093480
535	11.07.2024	LPG PSV PLATFORM MOUND - 3	HOV-3-down steam	Flange	2.1	1	100	0.000008	8760	0.068034
536	11.07.2024	LPG PSV PLATFORM MOUND - 3	HOV-4-UP steam	Flange	1.4	1	100	0.000006	8760	0.051160
537	11.07.2024	LPG PSV PLATFORM MOUND - 3	HOV-4-down steam	Flange	0.8	1	100	0.000004	8760	0.034521
538	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV-1-up steam	Flange	0.7	1	100	0.000004	8760	0.031427
539	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV-1-down steam	Flange	0.8	1	100	0.000004	8760	0.034521
540	11.07.2024	LPG PSV PLATFORM MOUND - 3	HOV-1-UP steam	Flange	0.6	1	100	0.000003	8760	0.028200
541	11.07.2024	LPG PSV PLATFORM MOUND - 3	HOV-1-down steam	Flange	0.9	1	100	0.000004	8760	0.037501
542	11.07.2024	LPG PSV PLATFORM MOUND - 3	HOV-2-UP steam	Flange	0.9	1	100	0.000004	8760	0.037501
543	11.07.2024	LPG PSV PLATFORM MOUND - 3	HOV-2-down steam	Flange	8.4	1	100	0.000021	8760	0.180291
544	11.07.2024	LPG PSV PLATFORM MOUND - 3	HOV-3-UP steam	Flange	3.1	1	100	0.000010	8760	0.089461
545	11.07.2024	LPG PSV PLATFORM MOUND - 3	HOV-3-down steam	Flange	2.8	1	100	0.000010	8760	0.083283
546	11.07.2024	LPG PSV PLATFORM MOUND - 3	HOV-4-UP steam	Flange	6.1	1	100	0.000016	8760	0.143977
547	11.07.2024	LPG PSV PLATFORM MOUND - 3	HOV-4-down steam	Flange	2.4	1	100	0.000009	8760	0.074730
548	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV SMALL	Flange	1.8	1	100	0.000007	8760	0.061047
549	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV SMALL	Flange	3	1	100	0.000010	8760	0.087422
550	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV SMALL 159985	Flange	16.1	1	100	0.000033	8760	0.284842
551	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV SMALL	Flange	2.4	1	100	0.000009	8760	0.074730
552	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV SMALL	Flange	1.8	1	100	0.000007	8760	0.061047
553	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV SMALL	Flange	3	1	100	0.000010	8760	0.087422
554	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV SMALL	Flange	2.3	1	100	0.000008	8760	0.072527
555	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV SMALL	Flange	1.6	1	100	0.000006	8760	0.056195
556	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV SMALL	Flange	0.8	1	100	0.000004	8760	0.034521
557	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV SMALL 201119648	Flange	1.4	1	100	0.000006	8760	0.051160
558	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV SMALL	Flange	1.7	1	100	0.000007	8760	0.058642
559	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV SMALL 201119672	Flange	2	1	100	0.000008	8760	0.065740
560	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV SMALL	Flange	1.5	1	100	0.000006	8760	0.053703
561	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV SMALL 201119641	Flange	18.8	1	100	0.000036	8760	0.317642
562	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV SMALL	Flange	0	1	100	0.000000	8760	0.000000
563	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV SMALL 201119644	Flange	0.7	1	100	0.000004	8760	0.031427
564	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV SMALL	Flange	26.9	1	100	0.000047	8760	0.408621
565	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV SMALL 201119642	Flange	1.2	1	100	0.000005	8760	0.045906
566	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV SMALL	Flange	1	1	100	0.000005	8760	0.040384
567	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV SMALL 201119668	Flange	0.4	1	100	0.000002	8760	0.021206
568	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV SMALL	Flange	1.3	1	100	0.000006	8760	0.048563
569	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV SMALL	Flange	1.7	1	100	0.000007	8760	0.058642
570	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV SMALL	Flange	0.9	1	100	0.000004	8760	0.037501
571	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV SMALL	Flange	0.7	1	100	0.000004	8760	0.031427
572	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV SMALL	Flange	1.4	1	100	0.000006	8760	0.051160

573	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV HOV OTHERS	Flange	2.8	1	100	0.000010	8760	0.083283
574	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV HOV OTHERS	Flange	1.9	1	100	0.000007	8760	0.063412
575	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV HOV OTHERS 872955	Flange	0.7	1	100	0.000004	8760	0.031427
576	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV HOV OTHERS	Flange	1.6	1	100	0.000006	8760	0.056195
577	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV HOV OTHERS	Flange	1.2	1	100	0.000005	8760	0.045906
578	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV HOV OTHERS	Flange	0.7	1	100	0.000004	8760	0.031427
579	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV HOV OTHERS 873000	Flange	0.4	1	100	0.000002	8760	0.021206
580	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV HOV OTHERS	Flange	1.1	1	100	0.000005	8760	0.043182
581	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV HOV OTHERS 872953	Flange	1.6	1	100	0.000006	8760	0.056195
582	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV HOV OTHERS	Flange	0.9	1	100	0.000004	8760	0.037501
583	11.07.2024	LPG PSV PLATFORM MOUND - 3	NRV F44877	Flange	3.2	1	100	0.000010	8760	0.091480
584	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV HOV OTHERS	Flange	0.9	1	100	0.000004	8760	0.037501
585	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV HOV OTHERS 885253	Flange	2.2	1	100	0.000008	8760	0.070296
586	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV HOV OTHERS	Flange	0.4	1	100	0.000002	8760	0.021206
587	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV HOV OTHERS	Flange	0.9	1	100	0.000004	8760	0.037501
588	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV HOV OTHERS	Flange	0	1	100	0.000000	8760	0.000000
589	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV HOV OTHERS 873063	Flange	1.2	1	100	0.000005	8760	0.045906
590	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV HOV OTHERS	Flange	2.4	1	100	0.000009	8760	0.074730
591	11.07.2024	LPG PSV PLATFORM MOUND - 3	NRV F44876	Flange	1.7	1	100	0.000007	8760	0.058642
592	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV HOV OTHERS	Flange	1.3	1	100	0.000006	8760	0.048563
593	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV HOV OTHERS 873101	Flange	0.7	1	100	0.000004	8760	0.031427
594	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV HOV OTHERS	Flange	0.8	1	100	0.000004	8760	0.034521
595	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV HOV OTHERS F44875	Flange	0.4	1	100	0.000002	8760	0.021206
596	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV HOV OTHERS	Flange	0.9	1	100	0.000004	8760	0.037501
597	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV HOV OTHERS 908469	Flange	0.7	1	100	0.000004	8760	0.031427
598	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV HOV OTHERS	Flange	1.2	1	100	0.000005	8760	0.045906
599	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV HOV OTHERS	Flange	1.9	1	100	0.000007	8760	0.063412
600	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV HOV OTHERS	Flange	0.7	1	100	0.000004	8760	0.031427
601	11.07.2024	LPG PSV PLATFORM MOUND - 3	NRV F44879	Flange	0.7	1	100	0.000004	8760	0.031427
602	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV HOV OTHERS	Flange	0.6	1	100	0.000003	8760	0.028200
603	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV HOV OTHERS	Flange	0.9	1	100	0.000004	8760	0.037501
604	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV HOV OTHERS	Flange	0.3	1	100	0.000002	8760	0.017323
605	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV HOV OTHERS 914680	Flange	0	1	100	0.000000	8760	0.000000
606	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV HOV OTHERS	Flange	0	1	100	0.000000	8760	0.000000
607	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV HOV OTHERS	Flange	0.8	1	100	0.000004	8760	0.034521
608	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV HOV OTHERS	Flange	0.4	1	100	0.000002	8760	0.021206
609	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV HOV OTHERS	Flange	0.7	1	100	0.000004	8760	0.031427
610	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV HOV OTHERS	Flange	0	1	100	0.000000	8760	0.000000
611	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV HOV OTHERS	Flange	0	1	100	0.000000	8760	0.000000
612	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV HOV OTHERS	Flange	0	1	100	0.000000	8760	0.000000
613	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV HOV OTHERS	Flange	0.7	1	100	0.000004	8760	0.031427
614	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV HOV OTHERS	Flange	1.4	1	100	0.000006	8760	0.051160
615	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV HOV OTHERS	Flange	1.1	1	100	0.000005	8760	0.043182
616	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV HOV OTHERS	Flange	0.9	1	100	0.000004	8760	0.037501
617	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV HOV OTHERS	Flange	0.5	1	100	0.000003	8760	0.024807
618	11.07.2024	LPG PSV PLATFORM MOUND - 3	PSV HOV OTHERS	Flange	1.4	1	100	0.000006	8760	0.051160
619	11.07.2024	LPG PSV PLATFORM MOUND - 3	OTHER HOV	Flange	1.2	1	100	0.000005	8760	0.045906
620	11.07.2024	LPG PSV PLATFORM MOUND - 3	OTHER HOV	Flange	0.9	1	100	0.000004	8760	0.037501
621	11.07.2024	LPG PSV PLATFORM MOUND - 3	OTHER HOV	Flange	0.7	1	100	0.000004	8760	0.031427
622	11.07.2024	LPG PSV PLATFORM MOUND - 3	OTHER HOV	Flange	0.6	1	100	0.000003	8760	0.028200
623	11.07.2024	LPG PSV PLATFORM MOUND - 3	OTHER HOV	Flange	0.7	1	100	0.000004	8760	0.031427
624	11.07.2024	LPG PSV PLATFORM MOUND - 3	OTHER HOV	Flange	0.3	1	100	0.000002	8760	0.017323
625	11.07.2024	LPG PSV PLATFORM MOUND - 3	OTHER HOV	Flange	0.2	1	100	0.000001	8760	0.013027
626	11.07.2024	LPG PSV PLATFORM MOUND - 3	OTHER HOV	Flange	0	1	100	0.000000	8760	0.000000
627	11.07.2024	LPG PSV PLATFORM MOUND - 3	OTHER HOV	Flange	0	1	100	0.000000	8760	0.000000
628	11.07.2024	LPG PSV PLATFORM MOUND - 3	OTHER HOV	Flange	0	1	100	0.000000	8760	0.000000
629	11.07.2024	LPG PSV PLATFORM MOUND - 3	OTHER HOV	Flange	0	1	100	0.000000	8760	0.000000
630	11.07.2024	LPG PSV PLATFORM MOUND - 3	OTHER HOV	Flange	0	1	100	0.000000	8760	0.000000
631	11.07.2024	LPG PSV PLATFORM MOUND - 3	OTHER HOV	Flange	0.7	1	100	0.000004	8760	0.031427
632	11.07.2024	LPG PSV PLATFORM MOUND - 3	OTHER HOV	Flange	0.6	1	100	0.000003	8760	0.028200
633	11.07.2024	LPG PSV PLATFORM MOUND - 3	OTHER HOV	Flange	0.3	1	100	0.000002	8760	0.017323
634	11.07.2024	LPG PSV PLATFORM MOUND - 3	OTHER HOV	Flange	0	1	100	0.000000	8760	0.000000
635	11.07.2024	LPG PSV PLATFORM MOUND - 3	OTHER HOV	Flange	0.2	1	100	0.000001	8760	0.013027
636	11.07.2024	LPG PSV PLATFORM MOUND - 3	OTHER HOV	Flange	0	1	100	0.000000	8760	0.000000
637	11.07.2024	LPG PSV PLATFORM MOUND - 3	OTHER HOV 873117	Flange	0	1	100	0.000000	8760	0.000000
638	11.07.2024	LPG PSV PLATFORM MOUND - 3	OTHER HOV	Flange	0.7	1	100	0.000004	8760	0.031427
639	11.07.2024	LPG PSV PLATFORM MOUND - 3	OTHER HOV	Flange	0.3	1	100	0.000002	8760	0.017323
640	11.07.2024	LPG PSV PLATFORM MOUND - 3	OTHER HOV	Flange	0.2	1	100	0.000001	8760	0.013027
641	11.07.2024	LPG PSV PLATFORM MOUND - 3	OTHER HOV	Flange	0.5	1	100	0.000003	8760	0.024807
642	11.07.2024	LPG PSV PLATFORM MOUND - 3	OTHER HOV	Flange	1.1	1	100	0.000005	8760	0.043182
643	11.07.2024	LPG PSV PLATFORM MOUND - 3	OTHER HOV 873112	Flange	0	1	100	0.000000	8760	0.000000
644	11.07.2024	LPG PSV PLATFORM MOUND - 3	OTHER HOV	Flange	0.2	1	100	0.000001	8760	0.013027

645	10.07.2024	COMPRESSOR HOUSE - SECTION LINE	HOV-1-UPsteam	Flange	0	1	100	0.000000	8760	0.000000
646	10.07.2024	COMPRESSOR HOUSE - SECTION LINE	HOV-1-down steam	Flange	1.3	1	100	0.000006	8760	0.048563
647	10.07.2024	COMPRESSOR HOUSE - SECTION LINE	HOV-2-UPsteam	Flange	12.1	1	100	0.000027	8760	0.233025
648	10.07.2024	COMPRESSOR HOUSE - SECTION LINE	HOV-2-down steam	Flange	1.4	1	100	0.000006	8760	0.051160
649	10.07.2024	COMPRESSOR HOUSE - SECTION LINE	HOV-3-UPsteam	Flange	11.3	1	100	0.000025	8760	0.222085
650	10.07.2024	COMPRESSOR HOUSE - SECTION LINE	HOV-3-down steam	Flange	10	1	100	0.000023	8760	0.203800
651	10.07.2024	COMPRESSOR HOUSE - SECTION LINE	HOV-4-UPsteam	Flange	2.2	1	100	0.000008	8760	0.070296
652	10.07.2024	COMPRESSOR HOUSE - SECTION LINE	HOV-4-down steam	Flange	9.4	1	100	0.000022	8760	0.195125
653	10.07.2024	COMPRESSOR HOUSE - SECTION LINE	HOV-5-UPsteam	Flange	2.5	1	100	0.000009	8760	0.076905
654	10.07.2024	COMPRESSOR HOUSE - SECTION LINE	HOV-5-down steam	Flange	9	1	100	0.000022	8760	0.189251
655	10.07.2024	COMPRESSOR HOUSE - SECTION LINE	HOV-6-UPsteam	Flange	1.8	1	100	0.000007	8760	0.061047
656	10.07.2024	COMPRESSOR HOUSE - SECTION LINE	HOV-6-down steam	Flange	9.2	1	100	0.000022	8760	0.192198
657	10.07.2024	COMPRESSOR HOUSE - SECTION LINE	HOV-7-UPsteam	Flange	2.5	1	100	0.000009	8760	0.076905
658	10.07.2024	COMPRESSOR HOUSE - SECTION LINE	HOV-7-down steam	Flange	7.6	1	100	0.000019	8760	0.168042
659	10.07.2024	COMPRESSOR HOUSE - SECTION LINE	HOV-8-UPsteam	Flange	0	1	100	0.000000	8760	0.000000
660	10.07.2024	COMPRESSOR HOUSE - SECTION LINE	HOV-8-down steam	Flange	0.4	1	100	0.000002	8760	0.021206
661	10.07.2024	KOD VOLUME BOTTLE	HOV-1-UPsteam	Flange	6	1	100	0.000016	8760	0.142313
662	10.07.2024	KOD VOLUME BOTTLE	HOV-1-down steam	Flange	2.3	1	100	0.000008	8760	0.072527
663	10.07.2024	KOD VOLUME BOTTLE	SPOOL PIECE UPsteam	Flange	1.3	1	100	0.000006	8760	0.048563
664	10.07.2024	KOD VOLUME BOTTLE	SPOOL PIECE DOWN steam	Flange	2.1	1	100	0.000008	8760	0.068034
665	10.07.2024	KOD VOLUME BOTTLE	KOD FLANGE UPSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
666	10.07.2024	KOD VOLUME BOTTLE	KOD FLANGE DOWNSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
667	10.07.2024	DISCHARGE VOLUME DRUM BODY FLANGES	HOV-1-UPsteam	Flange	0.1	1	100	0.000001	8760	0.008002
668	10.07.2024	DISCHARGE VOLUME DRUM BODY FLANGES	HOV-1-down steam	Flange	0.2	1	100	0.000001	8760	0.013027
669	10.07.2024	DISCHARGE VOLUME DRUM BODY FLANGES	KOD BODY UPSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
670	10.07.2024	DISCHARGE VOLUME DRUM BODY FLANGES	KOD BODY DOWNSTEAM	Flange	0.3	1	100	0.000002	8760	0.017323
671	10.07.2024	CTMS PIPELINE LPG	MAIN INLET LINE HOV UPSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
672	10.07.2024	CTMS PIPELINE LPG	MAIN INLET LINE HOV DOWNSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
673	10.07.2024	BRANCH LINE - 1	PSV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
674	10.07.2024	BRANCH LINE - 1	PSV DOWNSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
675	10.07.2024	BRANCH LINE - 1	HOV-1-UPsteam	Flange	0.1	1	100	0.000001	8760	0.008002
676	10.07.2024	BRANCH LINE - 1	HOV-1-down steam	Flange	0.2	1	100	0.000001	8760	0.013027
677	10.07.2024	BRANCH LINE - 1	HOV-2-UPsteam	Flange	0	1	100	0.000000	8760	0.000000
678	10.07.2024	BRANCH LINE - 1	HOV-2-down steam	Flange	0.2	1	100	0.000001	8760	0.013027
679	10.07.2024	BRANCH LINE - 1	MOV - 1 UPSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
680	10.07.2024	BRANCH LINE - 1	MOV - 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
681	10.07.2024	BRANCH LINE - 1	BASKET FILTER	Flange	0.1	1	100	0.000001	8760	0.008002
682	10.07.2024	BRANCH LINE - 1	BASKET FILTER OUTLET	Flange	0	1	100	0.000000	8760	0.000000
683	10.07.2024	BRANCH LINE - 1	MOV - 2 UPSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
684	10.07.2024	BRANCH LINE - 1	MOV - 2 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
685	10.07.2024	BRANCH LINE - 1	FCV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
686	10.07.2024	BRANCH LINE - 1	FCV DOWNSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
687	10.07.2024	BRANCH LINE - 1	MOV - 3 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
688	10.07.2024	BRANCH LINE - 1	MOV - 3 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
689	10.07.2024	BRANCH LINE - 2	MOV - 1 UPSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
690	10.07.2024	BRANCH LINE - 2	MOV - 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
691	10.07.2024	BRANCH LINE - 2	BASKET FILTER OUTLET 1	Flange	0.1	1	100	0.000001	8760	0.008002
692	10.07.2024	BRANCH LINE - 2	BASKET FILTER OUTLET 2	Flange	0	1	100	0.000000	8760	0.000000
693	10.07.2024	BRANCH LINE - 2	BASKET FILTER OUTLET 3	Flange	0	1	100	0.000000	8760	0.000000
694	10.07.2024	BRANCH LINE - 2	PSV UPSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
695	10.07.2024	BRANCH LINE - 2	PSV DOWNSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
696	10.07.2024	BRANCH LINE - 2	HOV-1-UPsteam	Flange	0	1	100	0.000000	8760	0.000000
697	10.07.2024	BRANCH LINE - 2	HOV-1-down steam	Flange	0.1	1	100	0.000001	8760	0.008002
698	10.07.2024	BRANCH LINE - 2	HOV-2-UPsteam	Flange	0	1	100	0.000000	8760	0.000000
699	10.07.2024	BRANCH LINE - 2	HOV-2-down steam	Flange	0.2	1	100	0.000001	8760	0.013027
700	10.07.2024	BRANCH LINE - 2	BASKET FILTER OUTLET	Flange	0	1	100	0.000000	8760	0.000000
701	10.07.2024	BRANCH LINE - 2	MOV - 2 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
702	10.07.2024	BRANCH LINE - 2	MOV - 2 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
703	10.07.2024	BRANCH LINE - 2	FCV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
704	10.07.2024	BRANCH LINE - 2	FCV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
705	10.07.2024	BRANCH LINE - 2	MOV - 3 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
706	10.07.2024	BRANCH LINE - 2	MOV - 3 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
707	10.07.2024	BRANCH LINE - 3	MOV - 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
708	10.07.2024	BRANCH LINE - 3	MOV - 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
709	10.07.2024	BRANCH LINE - 3	BASKET FILTER OUTLET 1	Flange	0.1	1	100	0.000001	8760	0.008002
710	10.07.2024	BRANCH LINE - 3	BASKET FILTER OUTLET 2	Flange	0	1	100	0.000000	8760	0.000000
711	10.07.2024	BRANCH LINE - 3	BASKET FILTER OUTLET 3	Flange	0.2	1	100	0.000001	8760	0.013027
712	10.07.2024	BRANCH LINE - 3	PSV UPSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
713	10.07.2024	BRANCH LINE - 3	PSV DOWNSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
714	10.07.2024	BRANCH LINE - 3	HOV-1-UPsteam	Flange	0.3	1	100	0.000002	8760	0.017323
715	10.07.2024	BRANCH LINE - 3	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
716	10.07.2024	BRANCH LINE - 3	HOV-2-UPsteam	Flange	0	1	100	0.000000	8760	0.000000

717	10.07.2024	BRANCH LINE - 3	HOV-2-down steam	Flange	0	1	100	0.000000	8760	0.000000
718	10.07.2024	BRANCH LINE - 3	BASKET FILTER OUTLET	Flange	0	1	100	0.000000	8760	0.000000
719	10.07.2024	BRANCH LINE - 3	MOV - 2 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
720	10.07.2024	BRANCH LINE - 3	MOV - 2 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
721	10.07.2024	BRANCH LINE - 3	FCV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
722	10.07.2024	BRANCH LINE - 3	FCV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
723	10.07.2024	BRANCH LINE - 3	MOV - 3 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
724	10.07.2024	BRANCH LINE - 3	MOV - 3 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
725	10.07.2024	BRANCH LINE - 3	MOV UPSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
726	10.07.2024	BRANCH LINE - 3	MOV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
727	10.07.2024	BRANCH LINE - 3	PROVER FLANGE UPSTEAM	Flange	0.3	1	100	0.000002	8760	0.017323
728	10.07.2024	BRANCH LINE - 3	PROVER FLANGE DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
729	10.07.2024	BRANCH LINE - 3	FCV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
730	10.07.2024	BRANCH LINE - 3	FCV DOWNSTEAM	Flange	0.3	1	100	0.000002	8760	0.017323
731	10.07.2024	BRANCH LINE - 3	MOV UPSTEAM	Flange	0.5	1	100	0.000003	8760	0.024807
732	10.07.2024	BRANCH LINE - 3	MOV DOWNSTEAM	Flange	1	1	100	0.000005	8760	0.040384
733	10.07.2024	BRANCH LINE - 3	PUMP SEAL	Pump Seal	30.4	1	100	0.000404	8760	3.536918
734	10.07.2024	BRANCH LINE - 3	BYE PASS MOV UP STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
735	10.07.2024	BRANCH LINE - 3	BYE PASS MOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
736	10.07.2024	BRANCH LINE - 3	LINE HOV UPSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
737	10.07.2024	BRANCH LINE - 3	LINE HOV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
738	10.07.2024	BRANCH LINE - 3	FCV UPSTEAM	Flange	0.5	1	100	0.000003	8760	0.024807
739	10.07.2024	BRANCH LINE - 3	FCV DOWNSTEAM	Flange	1	1	100	0.000005	8760	0.040384
740	10.07.2024	BRANCH LINE - 3	HOV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
741	10.07.2024	BRANCH LINE - 3	HOV DOWNSTEAM	Flange	0.4	1	100	0.000002	8760	0.021206
742	10.07.2024	BRANCH LINE - 3	LAST HOV UPSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
743	10.07.2024	BRANCH LINE - 3	LAST HOV DOWNSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
744	10.07.2024	CTMS MARKETING LPG -1	MAIN INLET HOV UPSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
745	10.07.2024	CTMS MARKETING LPG -1	MAIN INLET HOV DOWNSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
746	10.07.2024	BRANCH LINE - 1	MOV - 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
747	10.07.2024	BRANCH LINE - 1	MOV - 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
748	10.07.2024	BRANCH LINE - 1	BASKET FILTER	Flange	0.3	1	100	0.000002	8760	0.017323
749	10.07.2024	BRANCH LINE - 1	PSV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
750	10.07.2024	BRANCH LINE - 1	PSV DOWNSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
751	10.07.2024	BRANCH LINE - 1	HOV-1-UPsteam	Flange	1	1	100	0.000005	8760	0.040384
752	10.07.2024	BRANCH LINE - 1	HOV-1-down steam	Flange	2	1	100	0.000008	8760	0.065740
753	10.07.2024	BRANCH LINE - 1	HOV-2-UPsteam	Flange	2.3	1	100	0.000008	8760	0.072527
754	10.07.2024	BRANCH LINE - 1	HOV-2-down steam	Flange	1	1	100	0.000005	8760	0.040384
755	10.07.2024	BRANCH LINE - 1	BASKET FILTER OUTLET	Flange	0	1	100	0.000000	8760	0.000000
756	10.07.2024	BRANCH LINE - 1	MOV - 2 UPSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
757	10.07.2024	BRANCH LINE - 1	MOV - 2 DOWNSTEAM	Flange	1.2	1	100	0.000005	8760	0.045906
758	10.07.2024	BRANCH LINE - 1	FCV UPSTEAM	Flange	1.3	1	100	0.000006	8760	0.048563
759	10.07.2024	BRANCH LINE - 1	FCV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
760	10.07.2024	BRANCH LINE - 1	MOV - 3 UPSTEAM	Flange	1.3	1	100	0.000006	8760	0.048563
761	10.07.2024	BRANCH LINE - 1	MOV - 3 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
762	10.07.2024	BRANCH LINE - 2	MOV - 1 UPSTEAM	Flange	1.3	1	100	0.000006	8760	0.048563
763	10.07.2024	BRANCH LINE - 2	MOV - 1 DOWNSTEAM	Flange	0.4	1	100	0.000002	8760	0.021206
764	10.07.2024	BRANCH LINE - 2	BASKET FILTER OUTLET 1	Flange	0.5	1	100	0.000003	8760	0.024807
765	10.07.2024	BRANCH LINE - 2	BASKET FILTER OUTLET 2	Flange	1.2	1	100	0.000005	8760	0.045906
766	10.07.2024	BRANCH LINE - 2	BASKET FILTER OUTLET 3	Flange	1.4	1	100	0.000006	8760	0.051160
767	10.07.2024	BRANCH LINE - 2	PSV UPSTEAM	Flange	1.3	1	100	0.000006	8760	0.048563
768	10.07.2024	BRANCH LINE - 2	PSV DOWNSTEAM	Flange	0.8	1	100	0.000004	8760	0.034521
769	10.07.2024	BRANCH LINE - 2	HOV-1-UPsteam	Flange	1	1	100	0.000005	8760	0.040384
770	10.07.2024	BRANCH LINE - 2	HOV-1-down steam	Flange	1.1	1	100	0.000005	8760	0.043182
771	10.07.2024	BRANCH LINE - 2	HOV-2-UPsteam	Flange	0	1	100	0.000000	8760	0.000000
772	10.07.2024	BRANCH LINE - 2	HOV-2-down steam	Flange	0.4	1	100	0.000002	8760	0.021206
773	10.07.2024	BRANCH LINE - 2	BASKET FILTER OUTLET	Flange	0.2	1	100	0.000001	8760	0.013027
774	10.07.2024	BRANCH LINE - 2	MOV - 2 UPSTEAM	Flange	1.2	1	100	0.000005	8760	0.045906
775	10.07.2024	BRANCH LINE - 2	MOV - 2 DOWNSTEAM	Flange	1.1	1	100	0.000005	8760	0.043182
776	10.07.2024	BRANCH LINE - 2	FCV UPSTEAM	Flange	6.8	1	100	0.000018	8760	0.155403
777	10.07.2024	BRANCH LINE - 2	FCV DOWNSTEAM	Flange	0.5	1	100	0.000003	8760	0.024807
778	10.07.2024	BRANCH LINE - 2	MOV - 3 UPSTEAM	Flange	1.1	1	100	0.000005	8760	0.043182
779	10.07.2024	BRANCH LINE - 2	MOV - 3 DOWNSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
780	10.07.2024	BRANCH LINE - 3	MOV - 1 UPSTEAM	Flange	2.2	1	100	0.000008	8760	0.070296
781	10.07.2024	BRANCH LINE - 3	MOV - 1 DOWNSTEAM	Flange	1.3	1	100	0.000006	8760	0.048563
782	10.07.2024	BRANCH LINE - 3	BASKET FILTER OUTLET 1	Flange	1.1	1	100	0.000005	8760	0.043182
783	10.07.2024	BRANCH LINE - 3	BASKET FILTER OUTLET 2	Flange	1.8	1	100	0.000007	8760	0.061047
784	10.07.2024	BRANCH LINE - 3	BASKET FILTER OUTLET 3	Flange	1.9	1	100	0.000007	8760	0.063412
785	10.07.2024	BRANCH LINE - 3	PSV UPSTEAM	Flange	2.2	1	100	0.000008	8760	0.070296
786	10.07.2024	BRANCH LINE - 3	PSV DOWNSTEAM	Flange	1	1	100	0.000005	8760	0.040384
787	10.07.2024	BRANCH LINE - 3	HOV-1-UPsteam	Flange	1	1	100	0.000005	8760	0.040384
788	10.07.2024	BRANCH LINE - 3	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000

789	10.07.2024	BRANCH LINE - 3	HOV-2-UPsteam	Flange	1.2	1	100	0.000005	8760	0.045906
790	10.07.2024	BRANCH LINE - 3	HOV-2-down steam	Flange	1.2	1	100	0.000005	8760	0.045906
791	10.07.2024	BRANCH LINE - 3	BASKET FILTER OUTLET	Flange	1	1	100	0.000005	8760	0.040384
792	10.07.2024	BRANCH LINE - 3	MOV - 2 UPSTEAM	Flange	1.3	1	100	0.000006	8760	0.048563
793	10.07.2024	BRANCH LINE - 3	MOV - 2 DOWNSTEAM	Flange	1	1	100	0.000005	8760	0.040384
794	10.07.2024	BRANCH LINE - 3	FCV UPSTEAM	Flange	1.1	1	100	0.000005	8760	0.043182
795	10.07.2024	BRANCH LINE - 3	FCV DOWNSTEAM	Flange	1	1	100	0.000005	8760	0.040384
796	10.07.2024	BRANCH LINE - 3	MOV - 3 UPSTEAM	Flange	1.1	1	100	0.000005	8760	0.043182
797	10.07.2024	BRANCH LINE - 3	MOV - 3 DOWNSTEAM	Flange	1	1	100	0.000005	8760	0.040384
798	10.07.2024	BRANCH LINE - 3	MOV UPSTEAM	Flange	0.9	1	100	0.000004	8760	0.037501
799	10.07.2024	BRANCH LINE - 3	MOV DOWNSTEAM	Flange	0.8	1	100	0.000004	8760	0.034521
800	10.07.2024	BRANCH LINE - 3	PROVER FLANGE UPSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
801	10.07.2024	BRANCH LINE - 3	PROVER FLANGE DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
802	10.07.2024	BRANCH LINE - 3	FCV UPSTEAM	Flange	0.9	1	100	0.000004	8760	0.037501
803	10.07.2024	BRANCH LINE - 3	FCV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
804	10.07.2024	BRANCH LINE - 3	MOV UPSTEAM	Flange	0.4	1	100	0.000002	8760	0.021206
805	10.07.2024	BRANCH LINE - 3	MOV DOWNSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
806	10.07.2024	BRANCH LINE - 3	PUMP SEAL	Pump Seal	40	1	100	0.000477	8760	4.181467
807	10.07.2024	BRANCH LINE - 3	BYE PASS MOV UP STEAM	Flange	2.1	1	100	0.000008	8760	0.068034
808	10.07.2024	BRANCH LINE - 3	BYE PASS MOV DOWN STEAM	Flange	2.3	1	100	0.000008	8760	0.072527
809	10.07.2024	BRANCH LINE - 3	LINE HOV UPSTEAM	Flange	2.1	1	100	0.000008	8760	0.068034
810	10.07.2024	BRANCH LINE - 3	LINE HOV DOWNSTEAM	Flange	3.1	1	100	0.000010	8760	0.089461
811	10.07.2024	BRANCH LINE - 3	FCV UPSTEAM	Flange	1	1	100	0.000005	8760	0.040384
812	10.07.2024	BRANCH LINE - 3	FCV DOWNSTEAM	Flange	0.9	1	100	0.000004	8760	0.037501
813	10.07.2024	BRANCH LINE - 3	HOV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
814	10.07.2024	BRANCH LINE - 3	HOV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
815	10.07.2024	BRANCH LINE - 3	XZV VALVE UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
816	10.07.2024	BRANCH LINE - 3	XZV VALVE DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
817	10.07.2024	BRANCH LINE - 3	LAST HOV UPSTEAM	Flange	1.1	1	100	0.000005	8760	0.043182
818	10.07.2024	BRANCH LINE - 3	LAST HOV DOWNSTEAM	Flange	0.9	1	100	0.000004	8760	0.037501
819	10.07.2024	CTMS MARKETING LPG -2	MAIN INLET HOV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
820	10.07.2024	CTMS MARKETING LPG -2	MAIN INLET HOV DOWNSTEAM	Flange	0.8	1	100	0.000004	8760	0.034521
821	10.07.2024	BRANCH LINE - 1	MOV - 1 UPSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
822	10.07.2024	BRANCH LINE - 1	MOV - 1 DOWNSTEAM	Flange	0.9	1	100	0.000004	8760	0.037501
823	10.07.2024	BRANCH LINE - 1	BASKET FILTER	Flange	0.7	1	100	0.000004	8760	0.031427
824	10.07.2024	BRANCH LINE - 1	PSV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
825	10.07.2024	BRANCH LINE - 1	PSV DOWNSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
826	10.07.2024	BRANCH LINE - 1	HOV-1-UPsteam	Flange	0.4	1	100	0.000002	8760	0.021206
827	10.07.2024	BRANCH LINE - 1	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
828	10.07.2024	BRANCH LINE - 1	HOV-2-UPsteam	Flange	1.2	1	100	0.000005	8760	0.045906
829	10.07.2024	BRANCH LINE - 1	HOV-2-down steam	Flange	0	1	100	0.000000	8760	0.000000
830	10.07.2024	BRANCH LINE - 1	BASKET FILTER OUTLET	Flange	0	1	100	0.000000	8760	0.000000
831	10.07.2024	BRANCH LINE - 1	MOV - 2 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
832	10.07.2024	BRANCH LINE - 1	MOV - 2 DOWNSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
833	10.07.2024	BRANCH LINE - 1	FCV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
834	10.07.2024	BRANCH LINE - 1	FCV DOWNSTEAM	Flange	0.3	1	100	0.000002	8760	0.017323
835	10.07.2024	BRANCH LINE - 1	MOV - 3 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
836	10.07.2024	BRANCH LINE - 1	MOV - 3 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
837	10.07.2024	BRANCH LINE - 2	MOV - 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
838	10.07.2024	BRANCH LINE - 2	MOV - 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
839	10.07.2024	BRANCH LINE - 2	BASKET FILTER OUTLET 1	Flange	0	1	100	0.000000	8760	0.000000
840	10.07.2024	BRANCH LINE - 2	BASKET FILTER OUTLET 2	Flange	0.4	1	100	0.000002	8760	0.021206
841	10.07.2024	BRANCH LINE - 2	BASKET FILTER OUTLET 3	Flange	0	1	100	0.000000	8760	0.000000
842	10.07.2024	BRANCH LINE - 2	PSV UPSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
843	10.07.2024	BRANCH LINE - 2	PSV DOWNSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
844	10.07.2024	BRANCH LINE - 2	HOV-1-UPsteam	Flange	0	1	100	0.000000	8760	0.000000
845	10.07.2024	BRANCH LINE - 2	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
846	10.07.2024	BRANCH LINE - 2	HOV-2-UPsteam	Flange	0	1	100	0.000000	8760	0.000000
847	10.07.2024	BRANCH LINE - 2	HOV-2-down steam	Flange	0.1	1	100	0.000001	8760	0.008002
848	10.07.2024	BRANCH LINE - 2	BASKET FILTER OUTLET	Flange	0	1	100	0.000000	8760	0.000000
849	10.07.2024	BRANCH LINE - 2	MOV - 2 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
850	10.07.2024	BRANCH LINE - 2	MOV - 2 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
851	10.07.2024	BRANCH LINE - 2	FCV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
852	10.07.2024	BRANCH LINE - 2	FCV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
853	10.07.2024	BRANCH LINE - 2	MOV - 3 UPSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
854	10.07.2024	BRANCH LINE - 2	MOV - 3 DOWNSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
855	10.07.2024	BRANCH LINE - 3	MOV - 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
856	10.07.2024	BRANCH LINE - 3	MOV - 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
857	10.07.2024	BRANCH LINE - 3	BASKET FILTER OUTLET 1	Flange	0	1	100	0.000000	8760	0.000000
858	10.07.2024	BRANCH LINE - 3	BASKET FILTER OUTLET 2	Flange	0	1	100	0.000000	8760	0.000000
859	10.07.2024	BRANCH LINE - 3	BASKET FILTER OUTLET 3	Flange	0	1	100	0.000000	8760	0.000000
860	10.07.2024	BRANCH LINE - 3	PSV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000

861	10.07.2024	BRANCH LINE - 3	PSV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
862	10.07.2024	BRANCH LINE - 3	HOV-1-UPsteam	Flange	0.3	1	100	0.000002	8760	0.017323
863	10.07.2024	BRANCH LINE - 3	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
864	10.07.2024	BRANCH LINE - 3	HOV-2-UPsteam	Flange	0	1	100	0.000000	8760	0.000000
865	10.07.2024	BRANCH LINE - 3	HOV-2-down steam	Flange	0.2	1	100	0.000001	8760	0.013027
866	10.07.2024	BRANCH LINE - 3	BASKET FILTER OUTLET	Flange	0	1	100	0.000000	8760	0.000000
867	10.07.2024	BRANCH LINE - 3	MOV - 2 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
868	10.07.2024	BRANCH LINE - 3	MOV - 2 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
869	10.07.2024	BRANCH LINE - 3	FCV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
870	10.07.2024	BRANCH LINE - 3	FCV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
871	10.07.2024	BRANCH LINE - 3	MOV - 3 UPSTEAM	Flange	0.4	1	100	0.000002	8760	0.021206
872	10.07.2024	BRANCH LINE - 3	MOV - 3 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
873	10.07.2024	BRANCH LINE - 3	MOV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
874	10.07.2024	BRANCH LINE - 3	MOV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
875	10.07.2024	BRANCH LINE - 3	PROVER FLANGE UPSTEAM	Flange	1.1	1	100	0.000005	8760	0.043182
876	10.07.2024	BRANCH LINE - 3	PROVER FLANGE DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
877	10.07.2024	BRANCH LINE - 3	FCV UPSTEAM	Flange	0.3	1	100	0.000002	8760	0.017323
878	10.07.2024	BRANCH LINE - 3	FCV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
879	10.07.2024	BRANCH LINE - 3	MOV UPSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
880	10.07.2024	BRANCH LINE - 3	MOV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
881	10.07.2024	BRANCH LINE - 3	PUMP SEAL	Pump Seal	18	1	100	0.000293	8760	2.569143
882	10.07.2024	BRANCH LINE - 3	BYE PASS MOV UP STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
883	10.07.2024	BRANCH LINE - 3	BYE PASS MOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
884	10.07.2024	BRANCH LINE - 3	LINE HOV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
885	10.07.2024	BRANCH LINE - 3	LINE HOV DOWNSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
886	10.07.2024	BRANCH LINE - 3	FCV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
887	10.07.2024	BRANCH LINE - 3	FCV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
888	10.07.2024	BRANCH LINE - 3	HOV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
889	10.07.2024	BRANCH LINE - 3	HOV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
890	10.07.2024	BRANCH LINE - 3	XZV VALVE UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
891	10.07.2024	BRANCH LINE - 3	XZV VALVE DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
892	10.07.2024	BRANCH LINE - 3	LAST HOV UPSTEAM	Flange	0.3	1	100	0.000002	8760	0.017323
893	10.07.2024	BRANCH LINE - 3	LAST HOV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
894	10.07.2024	LPG AREA MOUND I BULLET 205-V-003	BULLET INLET XZV 001 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
895	10.07.2024	VAPOUR BALANCE LINE	HOV-1-UP steam	Flange	0	1	100	0.000000	8760	0.000000
896	10.07.2024	VAPOUR BALANCE LINE	HOV-1-down steam	Flange	0.1	1	100	0.000001	8760	0.008002
897	10.07.2024	VAPOUR BALANCE LINE	XZV VALVE UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
898	10.07.2024	VAPOUR BALANCE LINE	XZV VALVE DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
899	10.07.2024	BULLET OUTLET LINE	XZV VALVE UP STEAM 0002	Flange	0.1	1	100	0.000001	8760	0.008002
900	10.07.2024	BULLET OUTLET LINE	XZV VALVE DOWN STEAM 0002	Flange	0	1	100	0.000000	8760	0.000000
901	10.07.2024	BULLET OUTLET LINE	HOV-1-UP steam	Flange	0	1	100	0.000000	8760	0.000000
902	10.07.2024	BULLET OUTLET LINE	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
903	10.07.2024	BULLET OUTLET LINE	HOV-2-UP steam	Flange	0	1	100	0.000000	8760	0.000000
904	10.07.2024	BULLET OUTLET LINE	HOV-2-down steam	Flange	0	1	100	0.000000	8760	0.000000
905	10.07.2024	BULLET INLET LINE	BLENDING HEADER TOP OFF HOV	Flange	0	1	100	0.000000	8760	0.000000
906	10.07.2024	BULLET INLET LINE	BLENDING HEADER TOP OFF HOV	Flange	0	1	100	0.000000	8760	0.000000
907	10.07.2024	BULLET INLET LINE	NRV VALVE UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
908	10.07.2024	BULLET INLET LINE	NRV VALVE DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
909	10.07.2024	BULLET INLET LINE	PUMP 28A/B/C PROPYLENE T BT HOV	Flange	0	1	100	0.000000	8760	0.000000
910	10.07.2024	BULLET INLET LINE	HOV-2A/B/C PROPYLENE T BT HOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
911	10.07.2024	BULLET INLET LINE	NRV VALVE UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
912	10.07.2024	BULLET INLET LINE	NRV VALVE DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
913	10.07.2024	BULLET INLET LINE	PM 01A/B/C UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
914	10.07.2024	BULLET INLET LINE	PM 01A/B/C DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
915	10.07.2024	BULLET OUTLET LINE	28 A/B/C HOV UPSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
916	10.07.2024	BULLET OUTLET LINE	28 A/B/C HOV DOWNSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
917	10.07.2024	BULLET INLET LINE	IBT DISCHARGE HOV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
918	10.07.2024	BULLET INLET LINE	IBT DISCHARGE HOV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
919	10.07.2024	BULLET INLET LINE	NRV VALVE UPSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
920	10.07.2024	BULLET INLET LINE	NRV VALVE DOWNSTEAM	Flange	0.3	1	100	0.000002	8760	0.017323
921	10.07.2024	BULLET INLET LINE	BLENDING SPILLAGE OF SPEE LPG HOV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
922	10.07.2024	BULLET INLET LINE	BLENDING SPILLAGE OF SPEE LPG HOV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
923	10.07.2024	BULLET INLET LINE	NRV VALVE UPSTEAM	Flange	0.4	1	100	0.000002	8760	0.021206
924	10.07.2024	BULLET INLET LINE	NRV VALVE DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
925	10.07.2024	BULLET INLET LINE	OFF SPEE LPG HOV UPSTEAM	Flange	0.4	1	100	0.000002	8760	0.021206
926	10.07.2024	BULLET INLET LINE	OFF SPEE LPG HOV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
927	10.07.2024	BULLET INLET LINE	NRV VALVE UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
928	10.07.2024	BULLET INLET LINE	NRV VALVE DOWNSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
929	10.07.2024	PIPE LINE FROM BULLET OUTLET HEADER	PM 27A/B/C SUCTION HEADER HOV-1 UP steam	Flange	0	1	100	0.000000	8760	0.000000
930	10.07.2024	PIPE LINE FROM BULLET OUTLET HEADER	PM 27A/B/C SUCTION HEADER HOV-1 DOWN steam	Flange	0.1	1	100	0.000001	8760	0.008002
931	10.07.2024	PIPE LINE FROM BULLET OUTLET HEADER	PM 27A/B/C SUCTION HEADER HOV-2 UP steam	Flange	0.1	1	100	0.000001	8760	0.008002
932	10.07.2024	PIPE LINE FROM BULLET OUTLET HEADER	PM 27A/B/C SUCTION HEADER HOV-2 DOWN steam	Flange	0.1	1	100	0.000001	8760	0.008002

933	10.07.2024	PIPE LINE FROM BULLET OUTLET HEADER	IBT HEEL STRIPING HEADER HOV 1 UP	Flange	0	1	100	0.000000	8760	0.000000
934	10.07.2024	PIPE LINE FROM BULLET OUTLET HEADER	IBT HEEL STRIPING HEADER HOV-1- down steam	Flange	0.4	1	100	0.000002	8760	0.021206
935	10.07.2024	PIPE LINE FROM BULLET OUTLET HEADER	IBT HEEL STRIPING HEADER HOV 2 UP	Flange	0.3	1	100	0.000002	8760	0.017323
936	10.07.2024	PIPE LINE FROM BULLET OUTLET HEADER	IBT HEEL STRIPING HEADER HOV-2- down steam	Flange	0	1	100	0.000000	8760	0.000000
937	10.07.2024	Bullet water Draining line	HOV-1-up steam	Flange	0.3	1	100	0.000002	8760	0.017323
938	10.07.2024	Bullet water Draining line	HOV-1-down steam	Flange	0.2	1	100	0.000001	8760	0.013027
939	10.07.2024	Bullet water Draining line	HOV-2-up steam	Flange	0.3	1	100	0.000002	8760	0.017323
940	10.07.2024	Bullet water Draining line	HOV-2-down steam	Flange	0	1	100	0.000000	8760	0.000000
941	10.07.2024	BULLET 202 - V - 0003 BULLET TOP AREA (WEST SIDE)	MAN HOLE - 1	Flange	0	1	100	0.000000	8760	0.000000
942	10.07.2024	BULLET 202 - V - 0003 BULLET TOP AREA (WEST SIDE)	BULLET INLET FLANGE	Flange	0	1	100	0.000000	8760	0.000000
943	10.07.2024	BULLET 202 - V - 0003 BULLET TOP AREA (WEST SIDE)	BULLET VAPOUR BALANCING	Flange	0.1	1	100	0.000001	8760	0.008002
944	10.07.2024	BULLET 202 - V - 0003 BULLET TOP AREA (WEST SIDE)	LT FLARE FLANG	Flange	0	1	100	0.000000	8760	0.000000
945	10.07.2024	BULLET 202 - V - 0003 BULLET TOP AREA (WEST SIDE)	PRESSURE TRANSMITTER	Flange	0	1	100	0.000000	8760	0.000000
946	10.07.2024	BULLET 202 - V - 0003 BULLET TOP AREA (WEST SIDE)	LEVEL TRANSMITTER	Flange	0	1	100	0.000000	8760	0.000000
947	10.07.2024	BULLET TOP AREA(EAST SIDE)	MAN HOLE - 2	Flange	0	1	100	0.000000	8760	0.000000
948	10.07.2024	BULLET TOP AREA(EAST SIDE)	OTHER	Flange	0	1	100	0.000000	8760	0.000000
949	10.07.2024	BULLET 205 - V - 004	BULLET INLET XZV 0003 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
950	10.07.2024	BULLET 205 - V - 004	BULLET INLET XZV 0003 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
951	10.07.2024	BULLET 205 - V - 004 VAPOUR BALANCING LINE	HOV-1 UP steam	Flange	0	1	100	0.000000	8760	0.000000
952	10.07.2024	BULLET 205 - V - 004 VAPOUR BALANCING LINE	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
953	10.07.2024	BULLET 205 - V - 004 VAPOUR BALANCING LINE	XZV VALVE 0024 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
954	10.07.2024	BULLET 205 - V - 004 VAPOUR BALANCING LINE	XZV VALVE 0024 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
955	10.07.2024	BULLET OUTLET LINE	XZV 0004 VALVE - 1- UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
956	10.07.2024	BULLET OUTLET LINE	XZV 0004 VALVE - 1- DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
957	10.07.2024	BULLET OUTLET LINE	HOV-2- UP steam	Flange	0.1	1	100	0.000001	8760	0.008002
958	10.07.2024	BULLET OUTLET LINE	HOV-2-down steam	Flange	0	1	100	0.000000	8760	0.000000
959	10.07.2024	BULLET OUTLET LINE	BLENDING HEADER TOP OFF HOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
960	10.07.2024	BULLET OUTLET LINE	BLENDING HEADER TOP OFF HOV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
961	10.07.2024	BULLET OUTLET LINE	NRV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
962	10.07.2024	BULLET OUTLET LINE	NRV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
963	10.07.2024	BULLET OUTLET LINE	PUMP 29 A/B/C SUCTION HEADER HOV-1 UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
964	10.07.2024	BULLET OUTLET LINE	PUMP 29 A/B/C SUCTION HEADER HOV-1 DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
965	10.07.2024	BULLET OUTLET LINE	NRV VALVE UP steam	Flange	0	1	100	0.000000	8760	0.000000
966	10.07.2024	BULLET OUTLET LINE	NRV VALVE down steam	Flange	0	1	100	0.000000	8760	0.000000
967	10.07.2024	BULLET OUTLET LINE	PM 01 A/B/C UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
968	10.07.2024	BULLET OUTLET LINE	PM 01 A/B/C DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
969	10.07.2024	BULLET OUTLET LINE	28 A/B/C MINIMUM HOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
970	10.07.2024	BULLET OUTLET LINE	28 A/B/C MINIMUM HOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
971	10.07.2024	BULLET OUTLET LINE	IBT DISCHARGE HOV UP STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
972	10.07.2024	BULLET OUTLET LINE	IBT DISCHARGE HOV down steam	Flange	0	1	100	0.000000	8760	0.000000
973	10.07.2024	BULLET OUTLET LINE	NRV VALVE UP steam	Flange	0	1	100	0.000000	8760	0.000000
974	10.07.2024	BULLET OUTLET LINE	NRV VALVE down steam	Flange	0.1	1	100	0.000001	8760	0.008002
975	10.07.2024	BULLET OUTLET LINE	BLENDING SPILLAGE OF SPEE LPG HOV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
976	10.07.2024	BULLET OUTLET LINE	BLENDING SPILLAGE OF SPEE LPG HOV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
977	10.07.2024	BULLET OUTLET LINE	NRV VALVE UP Steam	Flange	0.1	1	100	0.000001	8760	0.008002
978	10.07.2024	BULLET OUTLET LINE	NRV VALVE DOWN Steam	Flange	0	1	100	0.000000	8760	0.000000
979	10.07.2024	BULLET OUTLET LINE	OFF SPEE LPG HOV UP steam	Flange	0	1	100	0.000000	8760	0.000000
980	10.07.2024	BULLET OUTLET LINE	OFF SPEE LPG HOV DOWN steam	Flange	0.1	1	100	0.000001	8760	0.008002
981	10.07.2024	BULLET OUTLET LINE	NRV VALVE UP steam	Flange	0.1	1	100	0.000001	8760	0.008002
982	10.07.2024	BULLET OUTLET LINE	NRV VALVE DOWN steam	Flange	0	1	100	0.000000	8760	0.000000
983	10.07.2024	PIPELINE FROM BULLET OUTLET HEADER	PM 027 A/B/C SUCTION HEADER HOV- 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
984	10.07.2024	PIPELINE FROM BULLET OUTLET HEADER	PM 027 A/B/C SUCTION HEADER HOV- 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
985	10.07.2024	PIPELINE FROM BULLET OUTLET HEADER	HOV-2-UP steam	Flange	0	1	100	0.000000	8760	0.000000
986	10.07.2024	PIPELINE FROM BULLET OUTLET HEADER	HOV-2-down steam	Flange	0	1	100	0.000000	8760	0.000000
987	10.07.2024	PIPELINE FROM BULLET OUTLET HEADER	IBT HEEL STRIPING HEADER HOV 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
988	10.07.2024	PIPELINE FROM BULLET OUTLET HEADER	IBT HEEL STRIPING HEADER HOV 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
989	10.07.2024	PIPELINE FROM BULLET OUTLET HEADER	HOV-2-UP steam	Flange	0	1	100	0.000000	8760	0.000000
990	10.07.2024	PIPELINE FROM BULLET OUTLET HEADER	HOV-2-down steam	Flange	0.1	1	100	0.000001	8760	0.008002
991	10.07.2024	Bullet water Draining line	HOV-1-up steam	Flange	0	1	100	0.000000	8760	0.000000
992	10.07.2024	Bullet water Draining line	HOV-1-down steam	Flange	0.1	1	100	0.000001	8760	0.008002
993	10.07.2024	Bullet water Draining line	HOV-2-up steam	Flange	0.1	1	100	0.000001	8760	0.008002
994	10.07.2024	Bullet water Draining line	HOV-2-down steam	Flange	0	1	100	0.000000	8760	0.000000
995	10.07.2024	bullet top AREA(west SIDE)	MAN HOLE - 1	Flange	0	1	100	0.000000	8760	0.000000
996	10.07.2024	bullet top AREA(west SIDE)	BULLET INLET FLANGE	Flange	0	1	100	0.000000	8760	0.000000
997	10.07.2024	bullet top AREA(west SIDE)	BULLET VAPOUR BALANCING	Flange	180.1	1	100	0.000178	8760	1.555361
998	10.07.2024	bullet top AREA(west SIDE)	LT FLARE FLANG	Flange	0	1	100	0.000000	8760	0.000000
999	10.07.2024	bullet top AREA(west SIDE)	PRESSURE TRANSMITTER	Flange	0	1	100	0.000000	8760	0.000000
1000	10.07.2024	bullet top AREA(west SIDE)	LEVEL TRANSMITTER	Flange	0	1	100	0.000000	8760	0.000000
1001	10.07.2024	BULLET TOP AREA(EAST SIDE)	MAN HOLE - 2	Flange	0	1	100	0.000000	8760	0.000000
1002	10.07.2024	BULLET TOP AREA(EAST SIDE)	OTHER	Flange	0.1	1	100	0.000001	8760	0.008002
1003	10.07.2024	BULLET 205 - V - 005	BULLET INLET XZV 0005 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
1004	10.07.2024	BULLET 205 - V - 005	BULLET INLET XZV 0005 DOWNSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002

1005	10.07.2024	BULLET 205 - V- 005 VAPOUR BALANCING LINE	HOV-1 UP steam	Flange	0	1	100	0.000000	8760	0.000000
1006	10.07.2024	BULLET 205 - V- 005 VAPOUR BALANCING LINE	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
1007	10.07.2024	BULLET 205 - V- 005 VAPOUR BALANCING LINE	XZV VALVE 0025 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
1008	10.07.2024	BULLET 205 - V- 005 VAPOUR BALANCING LINE	XZV VALVE 0025 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
1009	10.07.2024	BULLET OUTLET LINE	XZV 0006 VALVE - 1- UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
1010	10.07.2024	BULLET OUTLET LINE	XZV 0006 VALVE - 1- DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
1011	10.07.2024	BULLET OUTLET LINE	HOV-1- UP steam	Flange	0.1	1	100	0.000001	8760	0.008002
1012	10.07.2024	BULLET OUTLET LINE	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
1013	10.07.2024	BULLET OUTLET LINE	HOV-2- UP steam	Flange	0.1	1	100	0.000001	8760	0.008002
1014	10.07.2024	BULLET OUTLET LINE	HOV-2-down steam	Flange	0.3	1	100	0.000002	8760	0.017323
1015	10.07.2024	BULLET OUTLET LINE	BLENDING HEADER TOP OFF HOV UP STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
1016	10.07.2024	BULLET OUTLET LINE	BLENDING HEADER TOP OFF HOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
1017	10.07.2024	BULLET OUTLET LINE	NRV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
1018	10.07.2024	BULLET OUTLET LINE	NRV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
1019	10.07.2024	BULLET OUTLET LINE	PUMP 28 A/B/C propylene ibt hov -1 UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
1020	10.07.2024	BULLET OUTLET LINE	PUMP 28 A/B/C propylene ibt hov -1 DOWN STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
1021	10.07.2024	BULLET OUTLET LINE	NRV VALVE UP steam	Flange	0	1	100	0.000000	8760	0.000000
1022	10.07.2024	BULLET OUTLET LINE	NRV VALVE down steam	Flange	0.1	1	100	0.000001	8760	0.008002
1023	10.07.2024	BULLET OUTLET LINE	029 minimum flow HOV UPSTEAM	Flange	0.5	1	100	0.000003	8760	0.024807
1024	10.07.2024	BULLET OUTLET LINE	029 minimum flow HOV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
1025	10.07.2024	BULLET OUTLET LINE	028 A/B/C minimum flow HOV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
1026	10.07.2024	BULLET OUTLET LINE	028 A/B/C minimum flow HOV down steam	Flange	0.2	1	100	0.000001	8760	0.013027
1027	10.07.2024	BULLET OUTLET LINE	IBT DISCHAGE HOV UPSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
1028	10.07.2024	BULLET OUTLET LINE	IBT DISCHARGE HOV down steam	Flange	0.1	1	100	0.000001	8760	0.008002
1029	10.07.2024	BULLET OUTLET LINE	NRV VALVE UP steam	Flange	0	1	100	0.000000	8760	0.000000
1030	10.07.2024	BULLET OUTLET LINE	NRV VALVE down steam	Flange	0	1	100	0.000000	8760	0.000000
1031	10.07.2024	BULLET OUTLET LINE	BLENDING SPILAGE OF SPEE LPG UPSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
1032	10.07.2024	BULLET OUTLET LINE	BLENDING SPILAGE OF SPEE LPG DOWNSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
1033	10.07.2024	BULLET OUTLET LINE	NRV VALVE UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
1034	10.07.2024	BULLET OUTLET LINE	NRV VALVE down steam	Flange	0.1	1	100	0.000001	8760	0.008002
1035	10.07.2024	BULLET OUTLET LINE	OFF SPEE LPG HOV UP steam	Flange	0.2	1	100	0.000001	8760	0.013027
1036	10.07.2024	BULLET OUTLET LINE	OFF SPEE LPG HOV DOWNsteam	Flange	0.2	1	100	0.000001	8760	0.013027
1037	10.07.2024	BULLET OUTLET LINE	NRV VALVE UPSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
1038	10.07.2024	BULLET OUTLET LINE	NRV VALVE down steam	Flange	0.2	1	100	0.000001	8760	0.013027
1039	10.07.2024	PIPELINE FROM BULLET OUTLET HEADER	PM 027 A/B/C SUCTION HEADER HOV UP STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
1040	10.07.2024	PIPELINE FROM BULLET OUTLET HEADER	PM 027 A/B/C SUCTION HEADER HOV -1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
1041	10.07.2024	PIPELINE FROM BULLET OUTLET HEADER	HOV-2- UP steam	Flange	0	1	100	0.000000	8760	0.000000
1042	10.07.2024	PIPELINE FROM BULLET OUTLET HEADER	HOV-2-down steam	Flange	0.2	1	100	0.000001	8760	0.013027
1043	10.07.2024	PIPELINE FROM BULLET OUTLET HEADER	IBT REEL STRIPPING HEADER HOV -1 UP STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
1044	10.07.2024	PIPELINE FROM BULLET OUTLET HEADER	IBT REEL STRIPPING HEADER HOV -1 DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
1045	10.07.2024	PIPELINE FROM BULLET OUTLET HEADER	HOV-2-UP steam	Flange	0	1	100	0.000000	8760	0.000000
1046	10.07.2024	PIPELINE FROM BULLET OUTLET HEADER	HOV-2-down steam	Flange	0	1	100	0.000000	8760	0.000000
1047	10.07.2024	Bullet water Draining line	HOV-1-UP steam	Flange	0	1	100	0.000000	8760	0.000000
1048	10.07.2024	Bullet water Draining line	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
1049	10.07.2024	Bullet water Draining line	HOV-2-UP steam	Flange	0	1	100	0.000000	8760	0.000000
1050	10.07.2024	Bullet water Draining line	HOV-2-down steam	Flange	0	1	100	0.000000	8760	0.000000
1051	10.07.2024	BULLET TOP AREA (WEST SIDE)	MAN HOLE - 1	Flange	0	1	100	0.000000	8760	0.000000
1052	10.07.2024	BULLET TOP AREA (WEST SIDE)	BULLET INLET FLANGE	Flange	0	1	100	0.000000	8760	0.000000
1053	10.07.2024	BULLET TOP AREA (WEST SIDE)	BULLET VAPOUR BALANCING	Flange	0.1	1	100	0.000001	8760	0.008002
1054	10.07.2024	BULLET TOP AREA (WEST SIDE)	LT FLARE FLANG	Flange	0.2	1	100	0.000001	8760	0.013027
1055	10.07.2024	BULLET TOP AREA (WEST SIDE)	PRESSURE TRANSMITTER	Flange	0.1	1	100	0.000001	8760	0.008002
1056	10.07.2024	BULLET TOP AREA (WEST SIDE)	LEVEL TRANSMITTER	Flange	0	1	100	0.000000	8760	0.000000
1057	10.07.2024	BULLET TOP AREA (EAST SIDE)	MAN HOLE - 2	Flange	0	1	100	0.000000	8760	0.000000
1058	10.07.2024	BULLET TOP AREA (EAST SIDE)	OTHER	Flange	0.1	1	100	0.000001	8760	0.008002
1059	10.07.2024	BULLET 205 - V- 007	BULLET INLET XZV 0188 UPSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
1060	10.07.2024	BULLET 205 - V- 007	BULLET INLET XZV 0188 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
1061	10.07.2024	VAPOUR BALANCING LINE	XZV VALVE 0189 UPSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
1062	10.07.2024	VAPOUR BALANCING LINE	XZV VALVE 0189 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
1063	10.07.2024	VAPOUR BALANCING LINE	HOV-1-UP steam	Flange	0	1	100	0.000000	8760	0.000000
1064	10.07.2024	VAPOUR BALANCING LINE	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
1065	10.07.2024	BULLET OUTLET LINE	XZV 0190 VALVE - 1- UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
1066	10.07.2024	BULLET OUTLET LINE	XZV 0006 VALVE - 1- DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
1067	10.07.2024	BULLET OUTLET LINE	HOV-1- UP steam	Flange	0	1	100	0.000000	8760	0.000000
1068	10.07.2024	BULLET OUTLET LINE	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
1069	10.07.2024	BULLET OUTLET LINE	HOV-2- UP steam	Flange	0	1	100	0.000000	8760	0.000000
1070	10.07.2024	BULLET OUTLET LINE	HOV-2-down steam	Flange	0	1	100	0.000000	8760	0.000000
1071	10.07.2024	BULLET OUTLET LINE	BLENDING HEADER TOP OFF HOV UP STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
1072	10.07.2024	BULLET OUTLET LINE	BLENDING HEADER TOP OFF HOV DOWN STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
1073	10.07.2024	BULLET OUTLET LINE	NRV UP STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
1074	10.07.2024	BULLET OUTLET LINE	NRV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
1075	10.07.2024	BULLET OUTLET LINE	PM 28 A/B/C propylene ibt hov -1 UP STEAM	Flange	30.6	1	100	0.000051	8760	0.447370

1076	10.07.2024	BULLET OUTLET LINE	PM 28 A/B/C propylene ibt hov -1 down STEAM	Flange	10.3	1	100	0.000024	8760	0.208080
1077	10.07.2024	BULLET OUTLET LINE	NRV VALVE UP steam	Flange	0	1	100	0.000000	8760	0.000000
1078	10.07.2024	BULLET OUTLET LINE	NRV VALVE down steam	Flange	0.4	1	100	0.000002	8760	0.021206
1079	10.07.2024	BULLET OUTLET LINE	PM 01 A/B/C/ minimum flow HOV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
1080	10.07.2024	BULLET OUTLET LINE	PM 01 A/B/C/ minimum flow HOV DOWNSTEAM	Flange	0.3	1	100	0.000002	8760	0.017323
1081	10.07.2024	BULLET OUTLET LINE	028 A/B/C minimum flow HOV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
1082	10.07.2024	BULLET OUTLET LINE	028 A/B/C minimum flow HOV down steam	Flange	0	1	100	0.000000	8760	0.000000
1083	10.07.2024	BULLET OUTLET LINE	IBT DISCHAGE HOV UPSTEAM	Flange	0.4	1	100	0.000002	8760	0.021206
1084	10.07.2024	BULLET OUTLET LINE	IBT DISCHARGE HOV down steam	Flange	0.3	1	100	0.000002	8760	0.017323
1085	10.07.2024	BULLET OUTLET LINE	NRV VALVE UP steam	Flange	0.1	1	100	0.000001	8760	0.008002
1086	10.07.2024	BULLET OUTLET LINE	NRV VALVE down steam	Flange	0	1	100	0.000000	8760	0.000000
1087	10.07.2024	BULLET OUTLET LINE	BLENDING SPILAGE OF SPEE LPG UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
1088	10.07.2024	BULLET OUTLET LINE	BLENDING SPILAGE OF SPEE LPG DOWNSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
1089	10.07.2024	BULLET OUTLET LINE	NRV VALVE UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
1090	10.07.2024	BULLET OUTLET LINE	NRV VALVE down steam	Flange	0.3	1	100	0.000002	8760	0.017323
1091	10.07.2024	BULLET OUTLET LINE	OFF SPEE LPG HOV UP steam	Flange	0.1	1	100	0.000001	8760	0.008002
1092	10.07.2024	BULLET OUTLET LINE	OFF SPEE LPG HOV DOWNsteam	Flange	0	1	100	0.000000	8760	0.000000
1093	10.07.2024	BULLET OUTLET LINE	NRV VALVE UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
1094	10.07.2024	BULLET OUTLET LINE	NRV VALVE down steam	Flange	0.1	1	100	0.000001	8760	0.008002
1095	10.07.2024	PIPELINE FROM BULLET OUTLET HEADER	PM 027 A/B/C SUCTION HEADER HOV -1 UP STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
1096	10.07.2024	PIPELINE FROM BULLET OUTLET HEADER	PM 027 A/B/C SUCTION HEADER HOV -1 DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
1097	10.07.2024	PIPELINE FROM BULLET OUTLET HEADER	HOV-2- UP steam	Flange	0.5	1	100	0.000003	8760	0.024807
1098	10.07.2024	PIPELINE FROM BULLET OUTLET HEADER	HOV-2-down steam	Flange	0	1	100	0.000000	8760	0.000000
1099	10.07.2024	PIPELINE FROM BULLET OUTLET HEADER	IBT HEEL STRIPPING HEADER HOV -1 UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
1100	10.07.2024	PIPELINE FROM BULLET OUTLET HEADER	IBT HEEL STRIPPING HEADER HOV -1 DOWN STEAM	Flange	0.6	1	100	0.000003	8760	0.028200
1101	10.07.2024	PIPELINE FROM BULLET OUTLET HEADER	HOV-2-UP steam	Flange	0	1	100	0.000000	8760	0.000000
1102	10.07.2024	PIPELINE FROM BULLET OUTLET HEADER	HOV-2-down steam	Flange	0.7	1	100	0.000004	8760	0.031427
1103	10.07.2024	Bullet water Draining line	HOV-1-UP steam	Flange	0	1	100	0.000000	8760	0.000000
1104	10.07.2024	Bullet water Draining line	HOV-1-down steam	Flange	0.8	1	100	0.000004	8760	0.034521
1105	10.07.2024	Bullet water Draining line	HOV-2-UP steam	Flange	0	1	100	0.000000	8760	0.000000
1106	10.07.2024	Bullet water Draining line	HOV-2-down steam	Flange	0.9	1	100	0.000004	8760	0.037501
1107	10.07.2024	BULLET TOP AREA (WEST SIDE)	MAN HOLE - 1	Flange	1	1	100	0.000005	8760	0.040384
1108	10.07.2024	BULLET TOP AREA (WEST SIDE)	BULLET INLET FLANGE	Flange	16	1	100	0.000032	8760	0.283597
1109	10.07.2024	BULLET TOP AREA (WEST SIDE)	BULLET VAPOUR BALANCING	Flange	0	1	100	0.000000	8760	0.000000
1110	10.07.2024	BULLET TOP AREA (WEST SIDE)	LT FLARE FLANG	Flange	0.1	1	100	0.000001	8760	0.008002
1111	10.07.2024	BULLET TOP AREA (WEST SIDE)	PRESSURE TRANSMITTER	Flange	0.5	1	100	0.000003	8760	0.024807
1112	10.07.2024	BULLET TOP AREA (WEST SIDE)	LEVEL TRANSMITTER	Flange	0.5	1	100	0.000003	8760	0.024807
1113	10.07.2024	BULLET TOP AREA (EAST SIDE)	MAN HOLE - 2	Flange	0.1	1	100	0.000001	8760	0.008002
1114	10.07.2024	BULLET TOP AREA (EAST SIDE)	OTHER	Flange	0.4	1	100	0.000002	8760	0.021206
1115	10.07.2024	BULLET 205 - V- 008	BULLET INLET XZV 0603 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
1116	10.07.2024	BULLET 205 - V- 008	BULLET INLET XZV 0603 DOWNSTEAM	Flange	0.3	1	100	0.000002	8760	0.017323
1117	10.07.2024	VAPOUR BALANCING LINE	XZV VALVE 0191 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
1118	10.07.2024	VAPOUR BALANCING LINE	XZV VALVE 0191 DOWNSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
1119	10.07.2024	VAPOUR BALANCING LINE	HOV-1-UP steam	Flange	0	1	100	0.000000	8760	0.000000
1120	10.07.2024	VAPOUR BALANCING LINE	HOV-1-down steam	Flange	0.1	1	100	0.000001	8760	0.008002
1121	10.07.2024	BULLET OUTLET LINE	XZV 0192 VALVE - 1- UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
1122	10.07.2024	BULLET OUTLET LINE	XZV 0192 VALVE - 1- DOWN STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
1123	10.07.2024	BULLET OUTLET LINE	HOV-1- UP steam	Flange	0	1	100	0.000000	8760	0.000000
1124	10.07.2024	BULLET OUTLET LINE	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
1125	10.07.2024	BULLET OUTLET LINE	HOV-2- UP steam	Flange	0.1	1	100	0.000001	8760	0.008002
1126	10.07.2024	BULLET OUTLET LINE	HOV-2-down steam	Flange	0.4	1	100	0.000002	8760	0.021206
1127	10.07.2024	BULLET OUTLET LINE	BLENDING HEADER TOP OFF HOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
1128	10.07.2024	BULLET OUTLET LINE	BLENDING HEADER TOP OFF HOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
1129	10.07.2024	BULLET OUTLET LINE	NRV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
1130	10.07.2024	BULLET OUTLET LINE	NRV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
1131	10.07.2024	BULLET OUTLET LINE	PM 28 A/B/C propylene ibt hov -1 UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
1132	10.07.2024	BULLET OUTLET LINE	PM 28 A/B/C propylene ibt hov -1 down STEAM	Flange	0.3	1	100	0.000002	8760	0.017323
1133	10.07.2024	BULLET OUTLET LINE	NRV VALVE UP steam	Flange	0	1	100	0.000000	8760	0.000000
1134	10.07.2024	BULLET OUTLET LINE	NRV VALVE down steam	Flange	0.3	1	100	0.000002	8760	0.017323
1135	10.07.2024	BULLET OUTLET LINE	029 minimum flow HOV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
1136	10.07.2024	BULLET OUTLET LINE	029 minimum flow HOV DOWNSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
1137	10.07.2024	BULLET OUTLET LINE	028 A/B/C minimum flow HOV UPSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
1138	10.07.2024	BULLET OUTLET LINE	028 A/B/C minimum flow HOV down steam	Flange	0.3	1	100	0.000002	8760	0.017323
1139	10.07.2024	BULLET OUTLET LINE	IBT DISCHAGE HOV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
1140	10.07.2024	BULLET OUTLET LINE	IBT DISCHARGE HOV down steam	Flange	0.3	1	100	0.000002	8760	0.017323
1141	10.07.2024	BULLET OUTLET LINE	NRV VALVE UP steam	Flange	0.4	1	100	0.000002	8760	0.021206
1142	10.07.2024	BULLET OUTLET LINE	NRV VALVE down steam	Flange	0.4	1	100	0.000002	8760	0.021206
1143	10.07.2024	BULLET OUTLET LINE	BLENDING SPILAGE OF SPEE LPG UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
1144	10.07.2024	BULLET OUTLET LINE	BLENDING SPILAGE OF SPEE LPG DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
1145	10.07.2024	BULLET OUTLET LINE	NRV VALVE UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
1146	10.07.2024	BULLET OUTLET LINE	NRV VALVE down steam	Flange	0	1	100	0.000000	8760	0.000000
1147	10.07.2024	BULLET OUTLET LINE	OFF SPEE LPG HOV UP steam	Flange	0	1	100	0.000000	8760	0.000000

1148	10.07.2024	BULLET OUTLET LINE	OFF SPEE LPG HOV DOWNsteam	Flange	0.2	1	100	0.000001	8760	0.013027
1149	10.07.2024	BULLET OUTLET LINE	NRV VALVE UPSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
1150	10.07.2024	BULLET OUTLET LINE	NRV VALVE down steam	Flange	0.3	1	100	0.000002	8760	0.017323
1151	10.07.2024	PIPELINE FROM BULLET OUTLET HEADER	PM 027 A/B/C SUCTION HEADER HOV UP STEAM	Flange	1.1	1	100	0.000005	8760	0.043182
1152	10.07.2024	PIPELINE FROM BULLET OUTLET HEADER	PM 027 A/B/C SUCTION HEADER HOV -1 DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
1153	10.07.2024	PIPELINE FROM BULLET OUTLET HEADER	HOV-2- UP steam	Flange	0.8	1	100	0.000004	8760	0.034521
1154	10.07.2024	PIPELINE FROM BULLET OUTLET HEADER	HOV-2-down steam	Flange	0	1	100	0.000000	8760	0.000000
1155	10.07.2024	PIPELINE FROM BULLET OUTLET HEADER	IBT HEEL STRIPPING HEADER HOV -1 UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
1156	10.07.2024	PIPELINE FROM BULLET OUTLET HEADER	IBT HEEL STRIPPING HEADER HOV -1 DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
1157	10.07.2024	PIPELINE FROM BULLET OUTLET HEADER	HOV-2-UP steam	Flange	0	1	100	0.000000	8760	0.000000
1158	10.07.2024	PIPELINE FROM BULLET OUTLET HEADER	HOV-2-down steam	Flange	0.1	1	100	0.000001	8760	0.008002
1159	10.07.2024	Bullet water Draining line	HOV-1-UP steam	Flange	0.5	1	100	0.000003	8760	0.024807
1160	10.07.2024	Bullet water Draining line	HOV-1-down steam	Flange	0.5	1	100	0.000003	8760	0.024807
1161	10.07.2024	Bullet water Draining line	HOV-2-UP steam	Flange	0.2	1	100	0.000001	8760	0.013027
1162	10.07.2024	Bullet water Draining line	HOV-2-down steam	Flange	0.3	1	100	0.000002	8760	0.017323
1163	10.07.2024	BULLET TOP AREA (WEST SIDE)	MAN HOLE - 1	Flange	0	1	100	0.000000	8760	0.000000
1164	10.07.2024	BULLET TOP AREA (WEST SIDE)	BULLET INLET FLANGE	Flange	0.5	1	100	0.000003	8760	0.024807
1165	10.07.2024	BULLET TOP AREA (WEST SIDE)	BULLET VAPOUR BALANCING	Flange	0	1	100	0.000000	8760	0.000000
1166	10.07.2024	BULLET TOP AREA (WEST SIDE)	LT FLARE FLANG	Flange	0	1	100	0.000000	8760	0.000000
1167	10.07.2024	BULLET TOP AREA (WEST SIDE)	PRESSURE TRANSMITTER	Flange	0	1	100	0.000000	8760	0.000000
1168	10.07.2024	BULLET TOP AREA (WEST SIDE)	LEVEL TRANSMITTER	Flange	0	1	100	0.000000	8760	0.000000
1169	10.07.2024	BULLET TOP AREA (EAST SIDE)	MAN HOLE - 2	Flange	0.6	1	100	0.000003	8760	0.028200
1170	10.07.2024	BULLET TOP AREA (EAST SIDE)	OTHER	Flange	0.5	1	100	0.000003	8760	0.024807
1171	10.07.2024	BULLET 205 - V- 009	BULLET INLET XZV 0193 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
1172	10.07.2024	BULLET 205 - V- 009	BULLET INLET XZV 0193 DOWNSTEAM	Flange	0.6	1	100	0.000003	8760	0.028200
1173	10.07.2024	VAPOUR BALANCING LINE	XZV VALVE 0194 UPSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
1174	10.07.2024	VAPOUR BALANCING LINE	XZV VALVE 0194 DOWNSTEAM	Flange	0.5	1	100	0.000003	8760	0.024807
1175	10.07.2024	VAPOUR BALANCING LINE	HOV-1-UP steam	Flange	0.2	1	100	0.000001	8760	0.013027
1176	10.07.2024	VAPOUR BALANCING LINE	HOV-1-down steam	Flange	0.3	1	100	0.000002	8760	0.017323
1177	10.07.2024	BULLET OUTLET LINE	XZV 0195 VALVE - 1- UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
1178	10.07.2024	BULLET OUTLET LINE	XZV 0195 VALVE - 1- DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
1179	10.07.2024	BULLET OUTLET LINE	HOV-1- UP steam	Flange	0	1	100	0.000000	8760	0.000000
1180	10.07.2024	BULLET OUTLET LINE	HOV-1-down steam	Flange	0.1	1	100	0.000001	8760	0.008002
1181	10.07.2024	BULLET OUTLET LINE	HOV-2- UP steam	Flange	0	1	100	0.000000	8760	0.000000
1182	10.07.2024	BULLET OUTLET LINE	HOV-2-down steam	Flange	0	1	100	0.000000	8760	0.000000
1183	10.07.2024	BULLET OUTLET LINE	BLENDING HEADER TOP OFF HOV UP STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
1184	10.07.2024	BULLET OUTLET LINE	BLENDING HEADER TOP OFF HOV DOWN STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
1185	10.07.2024	BULLET OUTLET LINE	NRV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
1186	10.07.2024	BULLET OUTLET LINE	NRV DOWN STEAM	Flange	0.3	1	100	0.000002	8760	0.017323
1187	10.07.2024	BULLET OUTLET LINE	PM 28 A/B/C propylene ibt nov -1	Flange	0.4	1	100	0.000002	8760	0.021206
1188	10.07.2024	BULLET OUTLET LINE	PM 28 A/B/C propylene ibt nov -1 down STEAM	Flange	0	1	100	0.000000	8760	0.000000
1189	10.07.2024	BULLET OUTLET LINE	NRV VALVE UP steam	Flange	0.5	1	100	0.000003	8760	0.024807
1190	10.07.2024	BULLET OUTLET LINE	NRV VALVE down steam	Flange	0.1	1	100	0.000001	8760	0.008002
1191	10.07.2024	BULLET OUTLET LINE	029 minimum flow HOV UPSTEAM	Flange	0.3	1	100	0.000002	8760	0.017323
1192	10.07.2024	BULLET OUTLET LINE	029 minimum flow HOV DOWNSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
1193	10.07.2024	BULLET OUTLET LINE	028 A/B/C minimum flow HOV UPSTEAM	Flange	0.3	1	100	0.000002	8760	0.017323
1194	10.07.2024	BULLET OUTLET LINE	028 A/B/C minimum flow HOV down steam	Flange	0	1	100	0.000000	8760	0.000000
1195	10.07.2024	BULLET OUTLET LINE	IBT DISCHAGE HOV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
1196	10.07.2024	BULLET OUTLET LINE	IBT DISCHARGE HOV down steam	Flange	0.2	1	100	0.000001	8760	0.013027
1197	10.07.2024	BULLET OUTLET LINE	NRV VALVE UP steam	Flange	0	1	100	0.000000	8760	0.000000
1198	10.07.2024	BULLET OUTLET LINE	NRV VALVE down steam	Flange	0.1	1	100	0.000001	8760	0.008002
1199	10.07.2024	BULLET OUTLET LINE	BLENDING SPILAGE OF SPEE LPG UPSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
1200	10.07.2024	BULLET OUTLET LINE	BLENDING SPILAGE OF SPEE LPG DOWNSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
1201	10.07.2024	BULLET OUTLET LINE	NRV VALVE UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
1202	10.07.2024	BULLET OUTLET LINE	NRV VALVE down steam	Flange	0	1	100	0.000000	8760	0.000000
1203	10.07.2024	BULLET OUTLET LINE	OFF SPEE LPG HOV UP steam	Flange	0	1	100	0.000000	8760	0.000000
1204	10.07.2024	BULLET OUTLET LINE	OFF SPEE LPG HOV DOWNsteam	Flange	0	1	100	0.000000	8760	0.000000
1205	10.07.2024	BULLET OUTLET LINE	NRV VALVE UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
1206	10.07.2024	BULLET OUTLET LINE	NRV VALVE down steam	Flange	0.1	1	100	0.000001	8760	0.008002
1207	10.07.2024	PIPELINE FROM BULLET OUTLET HEADER	PM 027 A/B/C SUCTION HEADER HOV UP STEAM	Flange	0.7	1	100	0.000004	8760	0.031427
1208	10.07.2024	PIPELINE FROM BULLET OUTLET HEADER	PM 027 A/B/C SUCTION HEADER HOV -1 DOWN STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
1209	10.07.2024	PIPELINE FROM BULLET OUTLET HEADER	HOV-2- UP steam	Flange	0	1	100	0.000000	8760	0.000000
1210	10.07.2024	PIPELINE FROM BULLET OUTLET HEADER	HOV-2-down steam	Flange	0.1	1	100	0.000001	8760	0.008002
1211	10.07.2024	PIPELINE FROM BULLET OUTLET HEADER	IBT HEEL STRIPPING HEADER HOV -1 UP STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
1212	10.07.2024	PIPELINE FROM BULLET OUTLET HEADER	IBT HEEL STRIPPING HEADER HOV -1 DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
1213	10.07.2024	PIPELINE FROM BULLET OUTLET HEADER	HOV-2-UP steam	Flange	0	1	100	0.000000	8760	0.000000
1214	10.07.2024	PIPELINE FROM BULLET OUTLET HEADER	HOV-2-down steam	Flange	0.1	1	100	0.000001	8760	0.008002
1215	10.07.2024	Bullet water Draining line	HOV-1-UP steam	Flange	0	1	100	0.000000	8760	0.000000
1216	10.07.2024	Bullet water Draining line	HOV-1-down steam	Flange	0.3	1	100	0.000002	8760	0.017323
1217	10.07.2024	Bullet water Draining line	HOV-2-UP steam	Flange	0.1	1	100	0.000001	8760	0.008002
1218	10.07.2024	Bullet water Draining line	HOV-2-down steam	Flange	0.2	1	100	0.000001	8760	0.013027
1219	10.07.2024	BULLET TOP AREA (WEST SIDE)	MAN HOLE - 1	Flange	0	1	100	0.000000	8760	0.000000

1220	10.07.2024	BULLET TOP AREA (WEST SIDE)	BULLET INLET FLANGE	Flange	0	1	100	0.000000	8760	0.000000
1221	10.07.2024	BULLET TOP AREA (WEST SIDE)	BULLET VAPOUR BALANCING	Flange	0.2	1	100	0.000001	8760	0.013027
1222	10.07.2024	BULLET TOP AREA (WEST SIDE)	LT FLARE FLANG	Flange	0.1	1	100	0.000001	8760	0.008002
1223	10.07.2024	BULLET TOP AREA (WEST SIDE)	PRESSURE TRANSMITTER	Flange	0.1	1	100	0.000001	8760	0.008002
1224	10.07.2024	BULLET TOP AREA (WEST SIDE)	LEVEL TRANSMITTER	Flange	0	1	100	0.000000	8760	0.000000
1225	10.07.2024	BULLET TOP AREA (EAST SIDE)	MAN HOLE - 2	Flange	0.1	1	100	0.000001	8760	0.008002
1226	10.07.2024	BULLET TOP AREA (EAST SIDE)	OTHER	Flange	0	1	100	0.000000	8760	0.000000
1227	11.07.2024	LPG AREA MOUND II BULLET 205-V-012	BULLET INLET XZV 1188 UPSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
1228	11.07.2024	LPG AREA MOUND II BULLET 205-V-012	BULLET INLET XZV 1188 DOWNSTEAM	Flange	0.5	1	100	0.000003	8760	0.024807
1229	11.07.2024	VAPOUR BALANCE LINE	HOV-1-UP steam	Flange	0.2	1	100	0.000001	8760	0.013027
1230	11.07.2024	VAPOUR BALANCE LINE	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
1231	11.07.2024	VAPOUR BALANCE LINE	XZV 1189 VALVE UP STEAM	Flange	0.6	1	100	0.000003	8760	0.028200
1232	11.07.2024	VAPOUR BALANCE LINE	XZV 1189 VALVE DOWN STEAM	Flange	1.1	1	100	0.000005	8760	0.043182
1233	11.07.2024	BULLET OUTLET LINE	XZV VALVE UP STEAM 1190	Flange	0.2	1	100	0.000001	8760	0.013027
1234	11.07.2024	BULLET OUTLET LINE	XZV VALVE DOWN STEAM 1190	Flange	1.1	1	100	0.000005	8760	0.043182
1235	11.07.2024	BULLET OUTLET LINE	HOV-1 OFF V12-UP steam	Flange	1.1	1	100	0.000005	8760	0.043182
1236	11.07.2024	BULLET OUTLET LINE	HOV-1-down steam	Flange	0.8	1	100	0.000004	8760	0.034521
1237	11.07.2024	BULLET OUTLET LINE	HOV-2-UP steam	Flange	0.2	1	100	0.000001	8760	0.013027
1238	11.07.2024	BULLET OUTLET LINE	HOV-2-down steam	Flange	0	1	100	0.000000	8760	0.000000
1239	11.07.2024	BULLET OUTLET LINE	BLENDING HEADER TOP OFF HOV	Flange	1.1	1	100	0.000005	8760	0.043182
1240	11.07.2024	BULLET OUTLET LINE	BLENDING HEADER TOP OFF HOV	Flange	0.9	1	100	0.000004	8760	0.037501
1241	11.07.2024	BULLET OUTLET LINE	NRV VALVE UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
1242	11.07.2024	BULLET OUTLET LINE	NRV VALVE DOWNSTEAM	Flange	1.1	1	100	0.000005	8760	0.043182
1243	11.07.2024	BULLET OUTLET LINE	PUMP 28A/B/C PROPYLENE T BT HOV UPSTEAM	Flange	1	1	100	0.000005	8760	0.040384
1244	11.07.2024	BULLET OUTLET LINE	PUMP 28A/B/C PROPYLENE T BT HOV DOWNSTEAM	Flange	1.1	1	100	0.000005	8760	0.043182
1245	11.07.2024	BULLET OUTLET LINE	NRV VALVE UPSTEAM	Flange	0.9	1	100	0.000004	8760	0.037501
1246	11.07.2024	BULLET OUTLET LINE	NRV VALVE DOWNSTEAM	Flange	1	1	100	0.000005	8760	0.040384
1247	11.07.2024	BULLET OUTLET LINE	PM 01A/B/C MINIMUM FLOW UPSTEAM	Flange	1.1	1	100	0.000005	8760	0.043182
1248	11.07.2024	BULLET OUTLET LINE	PM 01A/B/C MINIMUM FLOW	Flange	1.2	1	100	0.000005	8760	0.045906
1249	11.07.2024	BULLET OUTLET LINE	PM 27A/B/C MINIMUM FLOW HOV UPSTEAM	Flange	0.8	1	100	0.000004	8760	0.034521
1250	11.07.2024	BULLET OUTLET LINE	PM 27A/B/C MINIMUM FLOW HOV DOWNSTEAM	Flange	0.9	1	100	0.000004	8760	0.037501
1251	11.07.2024	BULLET OUTLET LINE	IBT DISCHARGE HOV UPSTEAM	Flange	1	1	100	0.000005	8760	0.040384
1252	11.07.2024	BULLET OUTLET LINE	IBT DISCHARGE HOV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
1253	11.07.2024	BULLET OUTLET LINE	NRV VALVE UPSTEAM	Flange	1.1	1	100	0.000005	8760	0.043182
1254	11.07.2024	BULLET OUTLET LINE	NRV VALVE DOWNSTEAM	Flange	1.2	1	100	0.000005	8760	0.045906
1255	11.07.2024	BULLET OUTLET LINE	BLENDING SPILLAGE OF SPEE LPG HOV UPSTEAM	Flange	1.1	1	100	0.000005	8760	0.043182
1256	11.07.2024	BULLET OUTLET LINE	BLENDING SPILLAGE OF SPEE LPG HOV DOWNSTEAM	Flange	1.5	1	100	0.000006	8760	0.053703
1257	11.07.2024	BULLET OUTLET LINE	NRV VALVE UPSTEAM	Flange	1.1	1	100	0.000005	8760	0.043182
1258	11.07.2024	BULLET OUTLET LINE	NRV VALVE DOWNSTEAM	Flange	0.9	1	100	0.000004	8760	0.037501
1259	11.07.2024	BULLET OUTLET LINE	OFF SPEE LPG HOV UPSTEAM	Flange	0.8	1	100	0.000004	8760	0.034521
1260	11.07.2024	BULLET OUTLET LINE	OFF SPEE LPG HOV DOWNSTEAM	Flange	0.6	1	100	0.000003	8760	0.028200
1261	11.07.2024	BULLET OUTLET LINE	NRV VALVE UPSTEAM	Flange	0.8	1	100	0.000004	8760	0.034521
1262	11.07.2024	BULLET OUTLET LINE	NRV VALVE DOWNSTEAM	Flange	1.1	1	100	0.000005	8760	0.043182
1263	11.07.2024	PIPE LINE FROM BULLET OUTLET HEADER	PM 27A/B/C SUCTION HEADER HOV-1-UP steam	Flange	0	1	100	0.000000	8760	0.000000
1264	11.07.2024	PIPE LINE FROM BULLET OUTLET HEADER	PM 27A/B/C SUCTION HEADER HOV-1-DOWN steam	Flange	0	1	100	0.000000	8760	0.000000
1265	11.07.2024	PIPE LINE FROM BULLET OUTLET HEADER	PM 27A/B/C SUCTION HEADER HOV-2-UP steam	Flange	0	1	100	0.000000	8760	0.000000
1266	11.07.2024	PIPE LINE FROM BULLET OUTLET HEADER	PM 27A/B/C SUCTION HEADER HOV-2-DOWN steam	Flange	0.2	1	100	0.000001	8760	0.013027
1267	11.07.2024	PIPE LINE FROM BULLET OUTLET HEADER	IBT HEEL STRIPING HEADER HOV 1 UP steam	Flange	0.4	1	100	0.000002	8760	0.021206
1268	11.07.2024	PIPE LINE FROM BULLET OUTLET HEADER	IBT HEEL STRIPING HEADER HOV-1-DOWN steam	Flange	0.6	1	100	0.000003	8760	0.028200
1269	11.07.2024	PIPE LINE FROM BULLET OUTLET HEADER	IBT HEEL STRIPING HEADER HOV 2 UP steam	Flange	0.9	1	100	0.000004	8760	0.037501
1270	11.07.2024	PIPE LINE FROM BULLET OUTLET HEADER	IBT HEEL STRIPING HEADER HOV-2-DOWN steam	Flange	0	1	100	0.000000	8760	0.000000
1271	11.07.2024	Bullet water Draining line	HOV-1-up steam	Flange	0	1	100	0.000000	8760	0.000000
1272	11.07.2024	Bullet water Draining line	HOV-1-down steam	Flange	0.1	1	100	0.000001	8760	0.008002
1273	11.07.2024	Bullet water Draining line	HOV-2-up steam	Flange	0.6	1	100	0.000003	8760	0.028200
1274	11.07.2024	Bullet water Draining line	HOV-2-down steam	Flange	0.2	1	100	0.000001	8760	0.013027
1275	11.07.2024	BULLET TOP AREA (WEST SIDE)	MAN HOLE - 1	Flange	0	1	100	0.000000	8760	0.000000
1276	11.07.2024	BULLET TOP AREA (WEST SIDE)	BULLET INLET FLANGE	Flange	0.4	1	100	0.000002	8760	0.021206
1277	11.07.2024	BULLET TOP AREA (WEST SIDE)	BULLET VAPOUR BALANCING	Flange	0.1	1	100	0.000001	8760	0.008002
1278	11.07.2024	BULLET TOP AREA (WEST SIDE)	LT FLARE FLANG	Flange	1	1	100	0.000005	8760	0.040384
1279	11.07.2024	BULLET TOP AREA (WEST SIDE)	PRESSURE TRANSMITTER	Flange	0.8	1	100	0.000004	8760	0.034521
1280	11.07.2024	BULLET TOP AREA (WEST SIDE)	LEVEL TRANSMITTER	Flange	0.1	1	100	0.000001	8760	0.008002
1281	11.07.2024	BULLET TOP AREA (EAST SIDE)	MAN HOLE - 2	Flange	0.9	1	100	0.000004	8760	0.037501
1282	11.07.2024	BULLET TOP AREA (EAST SIDE)	OTHER	Flange	0.8	1	100	0.000004	8760	0.034521
1283	11.07.2024	BULLET 205 - V- 013	BULLET INLET XZV 1003 UPSTEAM	Flange	0.6	1	100	0.000003	8760	0.028200
1284	11.07.2024	BULLET 205 - V- 013	BULLET INLET XZV 1003 DOWNSTEAM	Flange	0.8	1	100	0.000004	8760	0.034521
1285	11.07.2024	VAPOUR BALANCING LINE	XZV VALVE 1191 UPSTEAM	Flange	0.6	1	100	0.000003	8760	0.028200
1286	11.07.2024	VAPOUR BALANCING LINE	XZV VALVE 1191DOWNSTEAM	Flange	0.5	1	100	0.000003	8760	0.024807
1287	11.07.2024	VAPOUR BALANCING LINE	HOV-1-UP steam	Flange	0.4	1	100	0.000002	8760	0.021206
1288	11.07.2024	VAPOUR BALANCING LINE	HOV-1-down steam	Flange	0.3	1	100	0.000002	8760	0.017323
1289	11.07.2024	BULLET OUTLET LINE	XZV 1192 VALVE - 1- UP STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
1290	11.07.2024	BULLET OUTLET LINE	XZV 1192 VALVE - 1- DOWN STEAM	Flange	0.3	1	100	0.000002	8760	0.017323
1291	11.07.2024	BULLET OUTLET LINE	HOV-1- UP steam	Flange	0.2	1	100	0.000001	8760	0.013027

1292	11.07.2024	BULLET OUTLET LINE	HOV-1-down steam	Flange	0.1	1	100	0.000001	8760	0.008002
1293	11.07.2024	BULLET OUTLET LINE	HOV-2- UP steam	Flange	0.4	1	100	0.000002	8760	0.021206
1294	11.07.2024	BULLET OUTLET LINE	HOV-2-down steam	Flange	0.6	1	100	0.000003	8760	0.028200
1295	11.07.2024	BULLET OUTLET LINE	BLENDING HEADER TOP OFF HOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
1296	11.07.2024	BULLET OUTLET LINE	BLENDING HEADER TOP OFF HOV DOWN STEAM	Flange	0.4	1	100	0.000002	8760	0.021206
1297	11.07.2024	BULLET OUTLET LINE	NRV UP STEAM	Flange	0.8	1	100	0.000004	8760	0.034521
1298	11.07.2024	BULLET OUTLET LINE	NRV DOWN STEAM	Flange	0.9	1	100	0.000004	8760	0.037501
1299	11.07.2024	BULLET OUTLET LINE	PM 28 A/B/C propylene hot nov -1 UP STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
1300	11.07.2024	BULLET OUTLET LINE	PM 28 A/B/C propylene hot nov -1 DOWN STEAM	Flange	1	1	100	0.000005	8760	0.040384
1301	11.07.2024	BULLET OUTLET LINE	NRV VALVE UP steam	Flange	1.1	1	100	0.000005	8760	0.043182
1302	11.07.2024	BULLET OUTLET LINE	NRV VALVE down steam	Flange	0	1	100	0.000000	8760	0.000000
1303	11.07.2024	BULLET OUTLET LINE	PM01 D/E/F minimum flow HOV UPSTEAM	Flange	1.2	1	100	0.000005	8760	0.045906
1304	11.07.2024	BULLET OUTLET LINE	PM01 D/E/F minimum flow HOV DOWNSTEAM	Flange	1.4	1	100	0.000006	8760	0.051160
1305	11.07.2024	BULLET OUTLET LINE	PM01 A/B/C minimum flow HOV UPSTEAM	Flange	1.6	1	100	0.000006	8760	0.056195
1306	11.07.2024	BULLET OUTLET LINE	PM01 A/B/C minimum flow HOV down steam	Flange	0.8	1	100	0.000004	8760	0.034521
1307	11.07.2024	BULLET OUTLET LINE	IBT DISCHARGE HOV UPSTEAM	Flange	1.2	1	100	0.000005	8760	0.045906
1308	11.07.2024	BULLET OUTLET LINE	IBT DISCHARGE HOV down steam	Flange	1.3	1	100	0.000006	8760	0.048563
1309	11.07.2024	BULLET OUTLET LINE	NRV VALVE UP steam	Flange	1.4	1	100	0.000006	8760	0.051160
1310	11.07.2024	BULLET OUTLET LINE	NRV VALVE down steam	Flange	0.8	1	100	0.000004	8760	0.034521
1311	11.07.2024	BULLET OUTLET LINE	BLENDING SPILAGE OF SPEE LPG UPSTEAM	Flange	0.9	1	100	0.000004	8760	0.037501
1312	11.07.2024	BULLET OUTLET LINE	BLENDING SPILAGE OF SPEE LPG DOWNSTEAM	Flange	0.9	1	100	0.000004	8760	0.037501
1313	11.07.2024	BULLET OUTLET LINE	NRV VALVE UPSTEAM	Flange	0.6	1	100	0.000003	8760	0.028200
1314	11.07.2024	BULLET OUTLET LINE	NRV VALVE down steam	Flange	1.1	1	100	0.000005	8760	0.043182
1315	11.07.2024	BULLET OUTLET LINE	OFF SPEE LPG HOV UP steam	Flange	0.9	1	100	0.000004	8760	0.037501
1316	11.07.2024	BULLET OUTLET LINE	OFF SPEE LPG HOV DOWNsteam	Flange	0.8	1	100	0.000004	8760	0.034521
1317	11.07.2024	BULLET OUTLET LINE	NRV VALVE UPSTEAM	Flange	0.5	1	100	0.000003	8760	0.024807
1318	11.07.2024	BULLET OUTLET LINE	NRV VALVE down steam	Flange	0	1	100	0.000000	8760	0.000000
1319	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	PM 027 A/B/C SUCTION HEADER HOV -1 UP STEAM	Flange	0.4	1	100	0.000002	8760	0.021206
1320	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	PM 027 A/B/C SUCTION HEADER HOV -1 DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
1321	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	HOV-2- UP steam	Flange	0	1	100	0.000000	8760	0.000000
1322	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	HOV-2-down steam	Flange	0	1	100	0.000000	8760	0.000000
1323	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	IBT HEEL STRIPPING HEADER HOV -1 UP STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
1324	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	IBT HEEL STRIPPING HEADER HOV -1 DOWN STEAM	Flange	0.3	1	100	0.000002	8760	0.017323
1325	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	HOV-2-UP steam	Flange	0.4	1	100	0.000002	8760	0.021206
1326	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	HOV-2-down steam	Flange	0.2	1	100	0.000001	8760	0.013027
1327	11.07.2024	Bullet water Draining line	HOV-1-UP steam	Flange	0	1	100	0.000000	8760	0.000000
1328	11.07.2024	Bullet water Draining line	HOV-1-down steam	Flange	0.8	1	100	0.000004	8760	0.034521
1329	11.07.2024	Bullet water Draining line	HOV-2-UP steam	Flange	0.6	1	100	0.000003	8760	0.028200
1330	11.07.2024	Bullet water Draining line	HOV-2-down steam	Flange	0.5	1	100	0.000003	8760	0.024807
1331	11.07.2024	BULLET TOP AREA (WEST SIDE)	MAN HOLE - 1	Flange	0.3	1	100	0.000002	8760	0.017323
1332	11.07.2024	BULLET TOP AREA (WEST SIDE)	BULLET INLET FLANGE	Flange	0.4	1	100	0.000002	8760	0.021206
1333	11.07.2024	BULLET TOP AREA (WEST SIDE)	BULLET VAPOUR BALANCING	Flange	0.3	1	100	0.000002	8760	0.017323
1334	11.07.2024	BULLET TOP AREA (WEST SIDE)	LT FLARE FLANG	Flange	0.4	1	100	0.000002	8760	0.021206
1335	11.07.2024	BULLET TOP AREA (WEST SIDE)	PRESSURE TRANSMITTER	Flange	0.6	1	100	0.000003	8760	0.028200
1336	11.07.2024	BULLET TOP AREA (WEST SIDE)	LEVEL TRANSMITTER	Flange	0.3	1	100	0.000002	8760	0.017323
1337	11.07.2024	BULLET TOP AREA (EAST SIDE)	MAN HOLE - 2	Flange	0.8	1	100	0.000004	8760	0.034521
1338	11.07.2024	BULLET TOP AREA (EAST SIDE)	OTHER	Flange	0.5	1	100	0.000003	8760	0.024807
1339	11.07.2024	BULLET 205 - V- 014	BULLET INLET XZV 1193 UPSTEAM	Flange	0.3	1	100	0.000002	8760	0.017323
1340	11.07.2024	BULLET 205 - V- 014	BULLET INLET XZV 1193 DOWNSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
1341	11.07.2024	VAPOUR BALANCING LINE	XZV VALVE 1194 UPSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
1342	11.07.2024	VAPOUR BALANCING LINE	XZV VALVE 1194 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
1343	11.07.2024	VAPOUR BALANCING LINE	HOV-1-UP steam	Flange	0.2	1	100	0.000001	8760	0.013027
1344	11.07.2024	VAPOUR BALANCING LINE	HOV-1-down steam	Flange	0.3	1	100	0.000002	8760	0.017323
1345	11.07.2024	BULLET OUTLET LINE	XZV 1195 VALVE - 1- UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
1346	11.07.2024	BULLET OUTLET LINE	XZV 1195 VALVE - 1- DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
1347	11.07.2024	BULLET OUTLET LINE	HOV-1- UP steam	Flange	0.5	1	100	0.000003	8760	0.024807
1348	11.07.2024	BULLET OUTLET LINE	HOV-1-down steam	Flange	0.2	1	100	0.000001	8760	0.013027
1349	11.07.2024	BULLET OUTLET LINE	HOV-2- UP steam	Flange	0.3	1	100	0.000002	8760	0.017323
1350	11.07.2024	BULLET OUTLET LINE	HOV-2-down steam	Flange	1	1	100	0.000005	8760	0.040384
1351	11.07.2024	BULLET OUTLET LINE	BLENDING HEADER TOP OFF HOV UP STEAM	Flange	1.1	1	100	0.000005	8760	0.043182
1352	11.07.2024	BULLET OUTLET LINE	BLENDING HEADER TOP OFF HOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
1353	11.07.2024	BULLET OUTLET LINE	NRV UP STEAM	Flange	0.8	1	100	0.000004	8760	0.034521
1354	11.07.2024	BULLET OUTLET LINE	NRV DOWN STEAM	Flange	1.1	1	100	0.000005	8760	0.043182
1355	11.07.2024	BULLET OUTLET LINE	PM 28 A/B/C propylene hot nov -1 UP STEAM	Flange	1	1	100	0.000005	8760	0.040384
1356	11.07.2024	BULLET OUTLET LINE	PM 28 A/B/C propylene hot nov -1 DOWN STEAM	Flange	1.2	1	100	0.000005	8760	0.045906
1357	11.07.2024	BULLET OUTLET LINE	NRV VALVE UP steam	Flange	1	1	100	0.000005	8760	0.040384
1358	11.07.2024	BULLET OUTLET LINE	NRV VALVE down steam	Flange	1.1	1	100	0.000005	8760	0.043182
1359	11.07.2024	BULLET OUTLET LINE	PM01 A/B/C minimum flow HOV UPSTEAM	Flange	1.2	1	100	0.000005	8760	0.045906
1360	11.07.2024	BULLET OUTLET LINE	PM01 A/B/C minimum flow HOV DOWNSTEAM	Flange	0.8	1	100	0.000004	8760	0.034521
1361	11.07.2024	BULLET OUTLET LINE	PM01 A/B/C minimum flow HOV UPSTEAM	Flange	0.3	1	100	0.000002	8760	0.017323
1362	11.07.2024	BULLET OUTLET LINE	PM01 A/B/C minimum flow HOV down steam	Flange	0	1	100	0.000000	8760	0.000000
1363	11.07.2024	BULLET OUTLET LINE	IBT DISCHARGE HOV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000

1364	11.07.2024	BULLET OUTLET LINE	IBT DISCHARGE HOV down steam	Flange	0	1	100	0.000000	8760	0.000000
1365	11.07.2024	BULLET OUTLET LINE	NRV VALVE UP steam	Flange	0	1	100	0.000000	8760	0.000000
1366	11.07.2024	BULLET OUTLET LINE	NRV VALVE down steam	Flange	0	1	100	0.000000	8760	0.000000
1367	11.07.2024	BULLET OUTLET LINE	BLENDING SPIRALGE OF SPEE LPG	Flange	0	1	100	0.000000	8760	0.000000
1368	11.07.2024	BULLET OUTLET LINE	BLENDING SPIRALGE OF SPEE LPG DOWNSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
1369	11.07.2024	BULLET OUTLET LINE	NRV VALVE UPSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
1370	11.07.2024	BULLET OUTLET LINE	NRV VALVE down steam	Flange	0	1	100	0.000000	8760	0.000000
1371	11.07.2024	BULLET OUTLET LINE	OFF SPEE LPG HOV UP steam	Flange	0.3	1	100	0.000002	8760	0.017323
1372	11.07.2024	BULLET OUTLET LINE	OFF SPEE LPG HOV DOWNsteam	Flange	0	1	100	0.000000	8760	0.000000
1373	11.07.2024	BULLET OUTLET LINE	NRV VALVE UPSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
1374	11.07.2024	BULLET OUTLET LINE	NRV VALVE down steam	Flange	0	1	100	0.000000	8760	0.000000
1375	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	PM 027 A/B/C SUCTION HEADER HOV -1 UP STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
1376	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	PM 027 A/B/C SUCTION HEADER HOV -1 DOWNSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
1377	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	HOV-2- UP steam	Flange	0.3	1	100	0.000002	8760	0.017323
1378	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	HOV-2-down steam	Flange	0.5	1	100	0.000003	8760	0.024807
1379	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	IBT HEEL STRIPPING HEADER HOV -1 UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
1380	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	IBT HEEL STRIPPING HEADER HOV -1 DOWN STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
1381	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	HOV-2-UP steam	Flange	0.4	1	100	0.000002	8760	0.021206
1382	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	HOV-2-down steam	Flange	0	1	100	0.000000	8760	0.000000
1383	11.07.2024	Bullet water Draining line	HOV-1-UP steam	Flange	0.2	1	100	0.000001	8760	0.013027
1384	11.07.2024	Bullet water Draining line	HOV-1-down steam	Flange	0.1	1	100	0.000001	8760	0.008002
1385	11.07.2024	Bullet water Draining line	HOV-2-UP steam	Flange	0	1	100	0.000000	8760	0.000000
1386	11.07.2024	Bullet water Draining line	HOV-2-down steam	Flange	0	1	100	0.000000	8760	0.000000
1387	11.07.2024	BULLET TOP AREA (WEST SIDE)	MAN HOLE - 1	Flange	0.1	1	100	0.000001	8760	0.008002
1388	11.07.2024	BULLET TOP AREA (WEST SIDE)	BULLET INLET FLANGE	Flange	0	1	100	0.000000	8760	0.000000
1389	11.07.2024	BULLET TOP AREA (WEST SIDE)	BULLET VAPOUR BALANCING	Flange	0.5	1	100	0.000003	8760	0.024807
1390	11.07.2024	BULLET TOP AREA (WEST SIDE)	LT FLARE FLANG	Flange	0	1	100	0.000000	8760	0.000000
1391	11.07.2024	BULLET TOP AREA (WEST SIDE)	PRESSURE TRANSMITTER	Flange	0.6	1	100	0.000003	8760	0.028200
1392	11.07.2024	BULLET TOP AREA (WEST SIDE)	LEVEL TRANSMITTER	Flange	0.7	1	100	0.000004	8760	0.031427
1393	11.07.2024	BULLET TOP AREA (EAST SIDE)	MAN HOLE - 2	Flange	0	1	100	0.000000	8760	0.000000
1394	11.07.2024	BULLET TOP AREA (EAST SIDE)	OTHER	Flange	0.1	1	100	0.000001	8760	0.008002
1395	11.07.2024	BULLET 205 - V- 006	BULLET INLET XZV UPSTEAM	Flange	1.2	1	100	0.000005	8760	0.045906
1396	11.07.2024	BULLET 205 - V- 006	BULLET INLET XZV DOWNSTEAM	Flange	1.1	1	100	0.000005	8760	0.043182
1397	11.07.2024	VAPOUR BALANCING LINE	XZV VALVE UPSTEAM	Flange	1.3	1	100	0.000006	8760	0.048563
1398	11.07.2024	VAPOUR BALANCING LINE	XZV VALVE DOWNSTEAM	Flange	1.2	1	100	0.000005	8760	0.045906
1399	11.07.2024	VAPOUR BALANCING LINE	HOV-1-UP steam	Flange	1.4	1	100	0.000006	8760	0.051160
1400	11.07.2024	VAPOUR BALANCING LINE	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
1401	11.07.2024	BULLET OUTLET LINE	XZV VALVE - 1- UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
1402	11.07.2024	BULLET OUTLET LINE	XZV VALVE - 1- DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
1403	11.07.2024	BULLET OUTLET LINE	HOV-1- UP steam	Flange	0	1	100	0.000000	8760	0.000000
1404	11.07.2024	BULLET OUTLET LINE	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
1405	11.07.2024	BULLET OUTLET LINE	HOV-2- UP steam	Flange	0.1	1	100	0.000001	8760	0.008002
1406	11.07.2024	BULLET OUTLET LINE	HOV-2-down steam	Flange	26.5	1	100	0.000046	8760	0.404340
1407	11.07.2024	BULLET OUTLET LINE	PROPYLENE RUN DOWN LINE UP STREAM	Flange	0	1	100	0.000000	8760	0.000000
1408	11.07.2024	BULLET OUTLET LINE	PROPYLENE RUN DOWN LINE DOWN STEAM	Flange	2	1	100	0.000008	8760	0.065740
1409	11.07.2024	BULLET OUTLET LINE	NRV UP STEAM	Flange	0.3	1	100	0.000002	8760	0.017323
1410	11.07.2024	BULLET OUTLET LINE	NRV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
1411	11.07.2024	BULLET OUTLET LINE	IBT DISCHAGE HOV UPSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
1412	11.07.2024	BULLET OUTLET LINE	IBT DISCHARGE HOV down steam	Flange	0	1	100	0.000000	8760	0.000000
1413	11.07.2024	BULLET OUTLET LINE	PM 28 A/B/C MINIMUM FLOW HEADER UP STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
1414	11.07.2024	BULLET OUTLET LINE	PM 28 A/B/C MINIMUM FLOW HEADER DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
1415	11.07.2024	BULLET OUTLET LINE	NRV VALVE UP steam	Flange	0	1	100	0.000000	8760	0.000000
1416	11.07.2024	BULLET OUTLET LINE	NRV VALVE down steam	Flange	0.1	1	100	0.000001	8760	0.008002
1417	11.07.2024	BULLET OUTLET LINE	PM29 A/B/C minimum flow HOV UPSTEAM	Flange	0.3	1	100	0.000002	8760	0.017323
1418	11.07.2024	BULLET OUTLET LINE	PM29 A/B/C minimum flow HOV DOWNSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
1419	11.07.2024	BULLET OUTLET LINE	IBT SUCTION HOV UPSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
1420	11.07.2024	BULLET OUTLET LINE	IBT SUCTION HOV down steam	Flange	0	1	100	0.000000	8760	0.000000
1421	11.07.2024	BULLET OUTLET LINE	IBT SUCTION HOV 2 UPSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
1422	11.07.2024	BULLET OUTLET LINE	IBT SUCTION HOV2 down steam	Flange	0	1	100	0.000000	8760	0.000000
1423	11.07.2024	BULLET OUTLET LINE	PM 029 A/B/C SUCTION HEADER HOV -1 UP STEAM	Flange	0.5	1	100	0.000003	8760	0.024807
1424	11.07.2024	BULLET OUTLET LINE	PM 029 A/B/C SUCTION HEADER HOV -1 DOWN STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
1425	11.07.2024	BULLET OUTLET LINE	HOV-2- UP steam	Flange	0.4	1	100	0.000002	8760	0.021206
1426	11.07.2024	BULLET OUTLET LINE	HOV-2-down steam	Flange	0.5	1	100	0.000003	8760	0.024807
1427	11.07.2024	BULLET OUTLET LINE	PM 28 A/B/C propylene ibt nov -1 UP STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
1428	11.07.2024	BULLET OUTLET LINE	PM 28 A/B/C propylene ibt nov -1 DOWN STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
1429	11.07.2024	BULLET OUTLET LINE	NRV VALVE UP steam	Flange	0.3	1	100	0.000002	8760	0.017323
1430	11.07.2024	BULLET OUTLET LINE	NRV VALVE down steam	Flange	0.2	1	100	0.000001	8760	0.013027
1431	11.07.2024	Bullet water Draining line	HOV-1-UP steam	Flange	0	1	100	0.000000	8760	0.000000
1432	11.07.2024	Bullet water Draining line	HOV-1-down steam	Flange	0.5	1	100	0.000003	8760	0.024807
1433	11.07.2024	Bullet water Draining line	HOV-2-up steam	Flange	0.1	1	100	0.000001	8760	0.008002
1434	11.07.2024	Bullet water Draining line	HOV-2-down steam	Flange	0	1	100	0.000000	8760	0.000000

1435	11.07.2024	BULLET TOP AREA (WEST SIDE)	MAN HOLE - 1	Flange	0.2	1	100	0.000001	8760	0.013027
1436	11.07.2024	BULLET TOP AREA (WEST SIDE)	BULLET INLET FLANGE	Flange	0.3	1	100	0.000002	8760	0.017323
1437	11.07.2024	BULLET TOP AREA (WEST SIDE)	BULLET VAPOUR BALANCING	Flange	0	1	100	0.000000	8760	0.000000
1438	11.07.2024	BULLET TOP AREA (WEST SIDE)	LT FLARE FLANG	Flange	0.5	1	100	0.000003	8760	0.024807
1439	11.07.2024	BULLET TOP AREA (WEST SIDE)	PRESSURE TRANSMITTER	Flange	0.1	1	100	0.000001	8760	0.008002
1440	11.07.2024	BULLET TOP AREA (WEST SIDE)	LEVEL TRANSMITTER	Flange	0	1	100	0.000000	8760	0.000000
1441	11.07.2024	BULLET TOP AREA (EAST SIDE)	MAN HOLE - 2	Flange	0.2	1	100	0.000001	8760	0.013027
1442	11.07.2024	BULLET TOP AREA (EAST SIDE)	OTHER	Flange	1.1	1	100	0.000005	8760	0.043182
1443	11.07.2024	BULLET 205 - V- 010	BULLET INLET XZV UPSTEAM	Flange	1.4	1	100	0.000006	8760	0.051160
1444	11.07.2024	BULLET 205 - V- 010	BULLET INLET XZV DOWNSTEAM	Flange	6.1	1	100	0.000016	8760	0.143977
1445	11.07.2024	VAPOUR BALANCING LINE	XZV VALVE UPSTEAM	Flange	7.2	1	100	0.000018	8760	0.161774
1446	11.07.2024	VAPOUR BALANCING LINE	XZV VALVE DOWNSTEAM	Flange	0.9	1	100	0.000004	8760	0.037501
1447	11.07.2024	VAPOUR BALANCING LINE	HOV-1-UP steam	Flange	0.2	1	100	0.000001	8760	0.013027
1448	11.07.2024	VAPOUR BALANCING LINE	HOV-1-down steam	Flange	0.5	1	100	0.000003	8760	0.024807
1449	11.07.2024	BULLET OUTLET LINE	XZV VALVE - 1- UP STEAM	Flange	0.6	1	100	0.000003	8760	0.028200
1450	11.07.2024	BULLET OUTLET LINE	XZV VALVE - 1- DOWN STEAM	Flange	0.7	1	100	0.000004	8760	0.031427
1451	11.07.2024	BULLET OUTLET LINE	HOV-1- UP steam	Flange	0.3	1	100	0.000002	8760	0.017323
1452	11.07.2024	BULLET OUTLET LINE	HOV-1-down steam	Flange	0.5	1	100	0.000003	8760	0.024807
1453	11.07.2024	BULLET OUTLET LINE	HOV-2- UP steam	Flange	0.6	1	100	0.000003	8760	0.028200
1454	11.07.2024	BULLET OUTLET LINE	HOV-2-down steam	Flange	0.4	1	100	0.000002	8760	0.021206
1455	11.07.2024	BULLET OUTLET LINE	PROPYLENE RUN DOWN LINE UP STEAM	Flange	0.5	1	100	0.000003	8760	0.024807
1456	11.07.2024	BULLET OUTLET LINE	PROPYLENE RUN DOWN LINE DOWN STEAM	Flange	0.4	1	100	0.000002	8760	0.021206
1457	11.07.2024	BULLET OUTLET LINE	NRV UP STEAM	Flange	0.3	1	100	0.000002	8760	0.017323
1458	11.07.2024	BULLET OUTLET LINE	NRV DOWN STEAM	Flange	0.4	1	100	0.000002	8760	0.021206
1459	11.07.2024	BULLET OUTLET LINE	IBT DISCHARGE HEADER HOV UPSTEAM	Flange	0.4	1	100	0.000002	8760	0.021206
1460	11.07.2024	BULLET OUTLET LINE	IBT DISCHARGE HEADER HOV down STEAM	Flange	0.5	1	100	0.000003	8760	0.024807
1461	11.07.2024	BULLET OUTLET LINE	PM 28 A/B/C MINIMUM FLOW HEADER UP STEAM	Flange	0.6	1	100	0.000003	8760	0.028200
1462	11.07.2024	BULLET OUTLET LINE	PM 28 A/B/C MINIMUM FLOW HEADER down STEAM	Flange	0.7	1	100	0.000004	8760	0.031427
1463	11.07.2024	BULLET OUTLET LINE	NRV VALVE UP steam	Flange	0.1	1	100	0.000001	8760	0.008002
1464	11.07.2024	BULLET OUTLET LINE	NRV VALVE down steam	Flange	0.8	1	100	0.000004	8760	0.034521
1465	11.07.2024	BULLET OUTLET LINE	PM 29 A/B/C minimum flow HOV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
1466	11.07.2024	BULLET OUTLET LINE	PM 29 A/B/C minimum flow HOV DOWNSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
1467	11.07.2024	BULLET OUTLET LINE	PROPYLENE FROM GANTRY LOADING UPSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
1468	11.07.2024	BULLET OUTLET LINE	PROPYLENE FROM GANTRY LOADING DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
1469	11.07.2024	BULLET OUTLET LINE	NRV VALVE UP steam	Flange	1	1	100	0.000005	8760	0.040384
1470	11.07.2024	BULLET OUTLET LINE	NRV VALVE down steam	Flange	1.1	1	100	0.000005	8760	0.043182
1471	11.07.2024	BULLET OUTLET LINE	HOV-1-UP steam	Flange	1.2	1	100	0.000005	8760	0.045906
1472	11.07.2024	BULLET OUTLET LINE	HOV-1-down steam	Flange	0.8	1	100	0.000004	8760	0.034521
1473	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	PM A/B/C SUCTION HEADER HOV -1 UP STEAM	Flange	0.5	1	100	0.000003	8760	0.024807
1474	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	PM A/B/C SUCTION HEADER HOV -1 DOWN STEAM	Flange	0.5	1	100	0.000003	8760	0.024807
1475	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	HOV-2- UP steam	Flange	0.2	1	100	0.000001	8760	0.013027
1476	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	HOV-2-down steam	Flange	0.3	1	100	0.000002	8760	0.017323
1477	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	IBT PM SUCTION HEADER HOV -1 UP STEAM	Flange	0.5	1	100	0.000003	8760	0.024807
1478	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	IBT PM SUCTION HEADER HOV -1 DOWN STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
1479	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	HOV-2-UP steam	Flange	0.5	1	100	0.000003	8760	0.024807
1480	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	HOV-2-down steam	Flange	0.6	1	100	0.000003	8760	0.028200
1481	11.07.2024	Bullet water Draining line	HOV-1-UP steam	Flange	0.1	1	100	0.000001	8760	0.008002
1482	11.07.2024	Bullet water Draining line	HOV-1-down steam	Flange	0.5	1	100	0.000003	8760	0.024807
1483	11.07.2024	Bullet water Draining line	HOV-2-UP steam	Flange	0.3	1	100	0.000002	8760	0.017323
1484	11.07.2024	Bullet water Draining line	HOV-2-down steam	Flange	0.4	1	100	0.000002	8760	0.021206
1485	11.07.2024	BULLET TOP AREA (WEST SIDE)	MAN HOLE - 1	Flange	0.5	1	100	0.000003	8760	0.024807
1486	11.07.2024	BULLET TOP AREA (WEST SIDE)	BULLET INLET FLANGE	Flange	0.0	1	100	0.000000	8760	0.000000
1487	11.07.2024	BULLET TOP AREA (WEST SIDE)	BULLET VAPOUR BALANCING	Flange	0.2	1	100	0.000001	8760	0.013027
1488	11.07.2024	BULLET TOP AREA (WEST SIDE)	LT FLARE FLANG	Flange	0.5	1	100	0.000003	8760	0.024807
1489	11.07.2024	BULLET TOP AREA (WEST SIDE)	PRESSURE TRANSMITTER	Flange	0.2	1	100	0.000001	8760	0.013027
1490	11.07.2024	BULLET TOP AREA (WEST SIDE)	LEVEL TRANSMITTER	Flange	0	1	100	0.000000	8760	0.000000
1491	11.07.2024	BULLET TOP AREA (EAST SIDE)	MAN HOLE - 2	Flange	0	1	100	0.000000	8760	0.000000
1492	11.07.2024	BULLET TOP AREA (EAST SIDE)	OTHER	Flange	0	1	100	0.000000	8760	0.000000
1493	11.07.2024	BULLET 205 - V- 011	BULLET INLET XZV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
1494	11.07.2024	BULLET 205 - V- 011	BULLET INLET XZV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
1495	11.07.2024	VAPOUR BALANCING LINE	XZV VALVE UPSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
1496	11.07.2024	VAPOUR BALANCING LINE	XZV VALVE DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
1497	11.07.2024	VAPOUR BALANCING LINE	HOV-1-UP steam	Flange	0.1	1	100	0.000001	8760	0.008002
1498	11.07.2024	VAPOUR BALANCING LINE	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
1499	11.07.2024	BULLET OUTLET LINE	XZV VALVE - 1- UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
1500	11.07.2024	BULLET OUTLET LINE	XZV VALVE - 1- DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
1501	11.07.2024	BULLET OUTLET LINE	HOV-1- UP steam	Flange	0.1	1	100	0.000001	8760	0.008002
1502	11.07.2024	BULLET OUTLET LINE	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
1503	11.07.2024	BULLET OUTLET LINE	HOV-2- UP steam	Flange	0.5	1	100	0.000003	8760	0.024807
1504	11.07.2024	BULLET OUTLET LINE	HOV-2-down steam	Flange	0.2	1	100	0.000001	8760	0.013027
1505	11.07.2024	BULLET OUTLET LINE	PROPYLENE RUN DOWN LINE UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
1506	11.07.2024	BULLET OUTLET LINE	PROPYLENE RUN DOWN LINE DOWN STEAM	Flange	0.1	1	100	0.000001	8760	0.008002

1507	11.07.2024	BULLET OUTLET LINE	NRV UP STEAM	Flange	0.5	1	100	0.000003	8760	0.024807
1508	11.07.2024	BULLET OUTLET LINE	NRV DOWN STEAM	Flange	0.6	1	100	0.000003	8760	0.028200
1509	11.07.2024	BULLET OUTLET LINE	IBT DISCHARGE HEADER HOV UPSTEAM	Flange	0.7	1	100	0.000004	8760	0.031427
1510	11.07.2024	BULLET OUTLET LINE	IBT DISCHARGE HEADER HOV DOWN STEAM	Flange	0.8	1	100	0.000004	8760	0.034521
1511	11.07.2024	BULLET OUTLET LINE	PM 28 A/B/C MINIMUM FLOW HEADER UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
1512	11.07.2024	BULLET OUTLET LINE	PM 28 A/B/C MINIMUM FLOW HEADER DOWN STEAM	Flange	0.8	1	100	0.000004	8760	0.034521
1513	11.07.2024	BULLET OUTLET LINE	NRV VALVE UP steam	Flange	0.9	1	100	0.000004	8760	0.037501
1514	11.07.2024	BULLET OUTLET LINE	NRV VALVE down steam	Flange	0.1	1	100	0.000001	8760	0.008002
1515	11.07.2024	BULLET OUTLET LINE	PM 29 A/B/C MINIMUM FLOW HOV UPSTEAM	Flange	1.1	1	100	0.000005	8760	0.043182
1516	11.07.2024	BULLET OUTLET LINE	PM 29 A/B/C MINIMUM FLOW HOV DOWNSTEAM	Flange	1	1	100	0.000005	8760	0.040384
1517	11.07.2024	BULLET OUTLET LINE	PROPYLENE FROM GANTRY LOADING UPSTEAM	Flange	1.2	1	100	0.000005	8760	0.045906
1518	11.07.2024	BULLET OUTLET LINE	PROPYLENE FROM GANTRY LOADING DOWNSTEAM	Flange	1.3	1	100	0.000006	8760	0.048563
1519	11.07.2024	BULLET OUTLET LINE	NRV VALVE UP steam	Flange	1.1	1	100	0.000005	8760	0.043182
1520	11.07.2024	BULLET OUTLET LINE	NRV VALVE down steam	Flange	1	1	100	0.000005	8760	0.040384
1521	11.07.2024	BULLET OUTLET LINE	HOV-1-UP steam	Flange	0.8	1	100	0.000004	8760	0.034521
1522	11.07.2024	BULLET OUTLET LINE	HOV-1-down steam	Flange	1.2	1	100	0.000005	8760	0.045906
1523	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	PM A/B/C SUCTION HEADER HOV -1 UP STEAM	Flange	1.3	1	100	0.000006	8760	0.048563
1524	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	PM A/B/C SUCTION HEADER HOV -1 DOWN STEAM	Flange	1.4	1	100	0.000006	8760	0.051160
1525	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	HOV-2- UP steam	Flange	0.6	1	100	0.000003	8760	0.028200
1526	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	HOV-2-down steam	Flange	0.6	1	100	0.000003	8760	0.028200
1527	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	IBT PM SUCTION HEADER HOV -1 UP STEAM	Flange	0.8	1	100	0.000004	8760	0.034521
1528	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	IBT PM SUCTION HEADER HOV -1 DOWN STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
1529	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	HOV-2-UP steam	Flange	0.1	1	100	0.000001	8760	0.008002
1530	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	HOV-2-down steam	Flange	0.5	1	100	0.000003	8760	0.024807
1531	11.07.2024	Bullet water Draining line	HOV-1-UP steam	Flange	0.9	1	100	0.000004	8760	0.037501
1532	11.07.2024	Bullet water Draining line	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
1533	11.07.2024	Bullet water Draining line	HOV-2-UP steam	Flange	0	1	100	0.000000	8760	0.000000
1534	11.07.2024	Bullet water Draining line	HOV-2-down steam	Flange	0.1	1	100	0.000001	8760	0.008002
1535	11.07.2024	BULLET TOP AREA (WEST SIDE)	MAN HOLE - 1	Flange	0	1	100	0.000000	8760	0.000000
1536	11.07.2024	BULLET TOP AREA (WEST SIDE)	BULLET INLET FLANGE	Flange	100.4	1	100	0.000118	8760	1.031392
1537	11.07.2024	BULLET TOP AREA (WEST SIDE)	BULLET VAPOUR BALANCING	Flange	0.2	1	100	0.000001	8760	0.013027
1538	11.07.2024	BULLET TOP AREA (WEST SIDE)	LT FLARE FLANG	Flange	0.3	1	100	0.000002	8760	0.017323
1539	11.07.2024	BULLET TOP AREA (WEST SIDE)	PRESSURE TRANSMITTER	Flange	0.4	1	100	0.000002	8760	0.021206
1540	11.07.2024	BULLET TOP AREA (WEST SIDE)	LEVEL TRANSMITTER	Flange	0.5	1	100	0.000003	8760	0.024807
1541	11.07.2024	BULLET TOP AREA (EAST SIDE)	MAN HOLE - 2	Flange	0.1	1	100	0.000001	8760	0.008002
1542	11.07.2024	BULLET TOP AREA (EAST SIDE)	OTHER	Flange	0	1	100	0.000000	8760	0.000000
1543	11.07.2024	BULLET 205 - V- 015	BULLET INLET XZV UPSTEAM	Flange	0.4	1	100	0.000002	8760	0.021206
1544	11.07.2024	BULLET 205 - V- 015	BULLET INLET XZV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
1545	11.07.2024	VAPOUR BALANCING LINE	XZV VALVE UPSTEAM	Flange	0.6	1	100	0.000003	8760	0.028200
1546	11.07.2024	VAPOUR BALANCING LINE	XZV VALVE DOWNSTEAM	Flange	0.6	1	100	0.000003	8760	0.028200
1547	11.07.2024	VAPOUR BALANCING LINE	HOV-1-UP steam	Flange	0.5	1	100	0.000003	8760	0.024807
1548	11.07.2024	VAPOUR BALANCING LINE	HOV-1-down steam	Flange	0.6	1	100	0.000003	8760	0.028200
1549	11.07.2024	BULLET OUTLET LINE	XZV VALVE - 1- UP STEAM	Flange	0.5	1	100	0.000003	8760	0.024807
1550	11.07.2024	BULLET OUTLET LINE	XZV VALVE - 1- DOWN STEAM	Flange	0.6	1	100	0.000003	8760	0.028200
1551	11.07.2024	BULLET OUTLET LINE	HOV-1- UP steam	Flange	0.3	1	100	0.000002	8760	0.017323
1552	11.07.2024	BULLET OUTLET LINE	HOV-1-down steam	Flange	0.9	1	100	0.000004	8760	0.037501
1553	11.07.2024	BULLET OUTLET LINE	HOV-2- UP steam	Flange	1	1	100	0.000005	8760	0.040384
1554	11.07.2024	BULLET OUTLET LINE	HOV-2-down steam	Flange	1.1	1	100	0.000005	8760	0.043182
1555	11.07.2024	BULLET OUTLET LINE	PROPYLENE RUN DOWN LINE UP STEAM	Flange	1	1	100	0.000005	8760	0.040384
1556	11.07.2024	BULLET OUTLET LINE	PROPYLENE RUN DOWN LINE DOWN STEAM	Flange	0.3	1	100	0.000002	8760	0.017323
1557	11.07.2024	BULLET OUTLET LINE	NRV UP STEAM	Flange	0.5	1	100	0.000003	8760	0.024807
1558	11.07.2024	BULLET OUTLET LINE	NRV DOWN STEAM	Flange	0.6	1	100	0.000003	8760	0.028200
1559	11.07.2024	BULLET OUTLET LINE	IBT DISCHARGE HEADER HOV UPSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
1560	11.07.2024	BULLET OUTLET LINE	IBT DISCHARGE HEADER HOV DOWN STEAM	Flange	0.5	1	100	0.000003	8760	0.024807
1561	11.07.2024	BULLET OUTLET LINE	PM 28 A/B/C MINIMUM FLOW HEADER UP STEAM	Flange	0.5	1	100	0.000003	8760	0.024807
1562	11.07.2024	BULLET OUTLET LINE	PM 28 A/B/C MINIMUM FLOW HEADER DOWN STEAM	Flange	0.6	1	100	0.000003	8760	0.028200
1563	11.07.2024	BULLET OUTLET LINE	NRV VALVE UP steam	Flange	0.5	1	100	0.000003	8760	0.024807
1564	11.07.2024	BULLET OUTLET LINE	NRV VALVE down steam	Flange	0.1	1	100	0.000001	8760	0.008002
1565	11.07.2024	BULLET OUTLET LINE	PM 29 A/B/C MINIMUM FLOW HOV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
1566	11.07.2024	BULLET OUTLET LINE	PM 29 A/B/C MINIMUM FLOW HOV DOWNSTEAM	Flange	0.5	1	100	0.000003	8760	0.024807
1567	11.07.2024	BULLET OUTLET LINE	PROPYLENE FROM GANTRY LOADING UPSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
1568	11.07.2024	BULLET OUTLET LINE	PROPYLENE FROM GANTRY LOADING DOWNSTEAM	Flange	0.4	1	100	0.000002	8760	0.021206
1569	11.07.2024	BULLET OUTLET LINE	NRV VALVE UP steam	Flange	0	1	100	0.000000	8760	0.000000
1570	11.07.2024	BULLET OUTLET LINE	NRV VALVE down steam	Flange	0.5	1	100	0.000003	8760	0.024807
1571	11.07.2024	BULLET OUTLET LINE	HOV-1-UP steam	Flange	0.6	1	100	0.000003	8760	0.028200
1572	11.07.2024	BULLET OUTLET LINE	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
1573	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	PM A/B/C SUCTION HEADER HOV -1 UP STEAM	Flange	0.3	1	100	0.000002	8760	0.017323
1574	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	PM A/B/C SUCTION HEADER HOV -1 DOWN STEAM	Flange	0.5	1	100	0.000003	8760	0.024807
1575	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	HOV-2- UP steam	Flange	0.2	1	100	0.000001	8760	0.013027
1576	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	HOV-2-down steam	Flange	0.3	1	100	0.000002	8760	0.017323
1577	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	IBT PM SUCTION HEADER HOV -1 UP STEAM	Flange	0.2	1	100	0.000001	8760	0.013027

1578	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	IBT PM SUCTION HEADER HOV -1 DOWN STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
1579	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	HOV-2-UP steam	Flange	0	1	100	0.000000	8760	0.000000
1580	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	HOV-2-down steam	Flange	0.2	1	100	0.000001	8760	0.013027
1581	11.07.2024	Bullet water Draining line	HOV-1-UP steam	Flange	1	1	100	0.000005	8760	0.040384
1582	11.07.2024	Bullet water Draining line	HOV-1-down steam	Flange	1.1	1	100	0.000005	8760	0.043182
1583	11.07.2024	Bullet water Draining line	HOV-2-UP steam	Flange	1	1	100	0.000005	8760	0.040384
1584	11.07.2024	Bullet water Draining line	HOV-2-down steam	Flange	1.1	1	100	0.000005	8760	0.043182
1585	11.07.2024	BULLET TOP AREA (WEST SIDE)	MAN HOLE - 1	Flange	1.5	1	100	0.000006	8760	0.053703
1586	11.07.2024	BULLET TOP AREA (WEST SIDE)	BULLET INLET FLANGE	Flange	111	1	100	0.000126	8760	1.106795
1587	11.07.2024	BULLET TOP AREA (WEST SIDE)	BULLET VAPOUR BALANCING	Flange	1.6	1	100	0.000006	8760	0.056195
1588	11.07.2024	BULLET TOP AREA (WEST SIDE)	LT FLARE FLANG	Flange	1.5	1	100	0.000006	8760	0.053703
1589	11.07.2024	BULLET TOP AREA (WEST SIDE)	PRESSURE TRANSMITTER	Flange	1.2	1	100	0.000005	8760	0.045906
1590	11.07.2024	BULLET TOP AREA (WEST SIDE)	LEVEL TRANSMITTER	Flange	1.5	1	100	0.000006	8760	0.053703
1591	11.07.2024	BULLET TOP AREA (EAST SIDE)	MAN HOLE - 2	Flange	1	1	100	0.000005	8760	0.040384
1592	11.07.2024	BULLET TOP AREA (EAST SIDE)	OTHER	Flange	0.5	1	100	0.000003	8760	0.024807
1593	11.07.2024	BULLET 205 - V- 016	BULLET INLET XZV UPSTEAM	Flange	0.9	1	100	0.000004	8760	0.037501
1594	11.07.2024	BULLET 205 - V- 016	BULLET INLET XZV DOWNSTEAM	Flange	1	1	100	0.000005	8760	0.040384
1595	11.07.2024	VAPOUR BALANCING LINE	XZV VALVE UPSTEAM	Flange	1.1	1	100	0.000005	8760	0.043182
1596	11.07.2024	VAPOUR BALANCING LINE	XZV VALVE DOWNSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
1597	11.07.2024	VAPOUR BALANCING LINE	HOV-1-UP steam	Flange	0	1	100	0.000000	8760	0.000000
1598	11.07.2024	VAPOUR BALANCING LINE	HOV-1-down steam	Flange	0.6	1	100	0.000003	8760	0.028200
1599	11.07.2024	BULLET OUTLET LINE	XZV VALVE - 1- UP STEAM	Flange	0.5	1	100	0.000003	8760	0.024807
1600	11.07.2024	BULLET OUTLET LINE	XZV VALVE - 1- DOWN STEAM	Flange	0.4	1	100	0.000002	8760	0.021206
1601	11.07.2024	BULLET OUTLET LINE	HOV-1- UP steam	Flange	1.1	1	100	0.000005	8760	0.043182
1602	11.07.2024	BULLET OUTLET LINE	HOV-1-down steam	Flange	1	1	100	0.000005	8760	0.040384
1603	11.07.2024	BULLET OUTLET LINE	HOV-2- UP steam	Flange	0.8	1	100	0.000004	8760	0.034521
1604	11.07.2024	BULLET OUTLET LINE	HOV-2-down steam	Flange	2	1	100	0.000008	8760	0.065740
1605	11.07.2024	BULLET OUTLET LINE	PROPYLENE RUN DOWN LINE UP STEAM	Flange	0.6	1	100	0.000003	8760	0.028200
1606	11.07.2024	BULLET OUTLET LINE	PROPYLENE RUN DOWN LINE DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
1607	11.07.2024	BULLET OUTLET LINE	NRV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
1608	11.07.2024	BULLET OUTLET LINE	NRV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
1609	11.07.2024	BULLET OUTLET LINE	IBT DISCHARGE HEADER HOV	Flange	0.8	1	100	0.000004	8760	0.034521
1610	11.07.2024	BULLET OUTLET LINE	IBT DISCHARGE HEADER HOV DOWN STEAM	Flange	0.5	1	100	0.000003	8760	0.024807
1611	11.07.2024	BULLET OUTLET LINE	PM 28 A/B/C MINIMUM FLOW HEADER UP STEAM	Flange	0.6	1	100	0.000003	8760	0.028200
1612	11.07.2024	BULLET OUTLET LINE	PM 28 A/B/C MINIMUM FLOW HEADER DOWN STEAM	Flange	0.5	1	100	0.000003	8760	0.024807
1613	11.07.2024	BULLET OUTLET LINE	NRV VALVE UP steam	Flange	0.4	1	100	0.000002	8760	0.021206
1614	11.07.2024	BULLET OUTLET LINE	NRV VALVE down steam	Flange	0.3	1	100	0.000002	8760	0.017323
1615	11.07.2024	BULLET OUTLET LINE	PM29 A/B/C minimum flow HOV UPSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
1616	11.07.2024	BULLET OUTLET LINE	PM29 A/B/C Minimum flow HOV DOWNSTEAM	Flange	0.6	1	100	0.000003	8760	0.028200
1617	11.07.2024	BULLET OUTLET LINE	PROPYLENE FROM GANTRY LOADING UPSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
1618	11.07.2024	BULLET OUTLET LINE	PROPYLENE FROM GANTRY LOADING DOWNSTEAM	Flange	0.3	1	100	0.000002	8760	0.017323
1619	11.07.2024	BULLET OUTLET LINE	NRV VALVE UP steam	Flange	0.2	1	100	0.000001	8760	0.013027
1620	11.07.2024	BULLET OUTLET LINE	NRV VALVE down steam	Flange	0.1	1	100	0.000001	8760	0.008002
1621	11.07.2024	BULLET OUTLET LINE	HOV-1-UP steam	Flange	0	1	100	0.000000	8760	0.000000
1622	11.07.2024	BULLET OUTLET LINE	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
1623	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	PM A/B/C SUCTION HEADER HOV -1 DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
1624	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	HOV-2- UP steam	Flange	0.1	1	100	0.000001	8760	0.008002
1625	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	HOV-2-down steam	Flange	0.2	1	100	0.000001	8760	0.013027
1626	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	IBT PM SUCTION HEADER HOV -1 UP STEAM	Flange	0.3	1	100	0.000002	8760	0.017323
1627	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	IBT PM SUCTION HEADER HOV -1 DOWN STEAM	Flange	0.3	1	100	0.000002	8760	0.017323
1628	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	HOV-2-UP steam	Flange	0.1	1	100	0.000001	8760	0.008002
1629	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	HOV-2-down steam	Flange	0.4	1	100	0.000002	8760	0.021206
1630	11.07.2024	Bullet water Draining line	HOV-1-UP steam	Flange	0.5	1	100	0.000003	8760	0.024807
1631	11.07.2024	Bullet water Draining line	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
1632	11.07.2024	Bullet water Draining line	HOV-2-UP steam	Flange	0.1	1	100	0.000001	8760	0.008002
1633	11.07.2024	Bullet water Draining line	HOV-2-down steam	Flange	0	1	100	0.000000	8760	0.000000
1634	11.07.2024	BULLET TOP AREA (WEST SIDE)	MAN HOLE - 1	Flange	0.2	1	100	0.000001	8760	0.013027
1635	11.07.2024	BULLET TOP AREA (WEST SIDE)	BULLET INLET FLANGE	Flange	0.3	1	100	0.000002	8760	0.017323
1636	11.07.2024	BULLET TOP AREA (WEST SIDE)	BULLET VAPOUR BALANCING	Flange	0	1	100	0.000000	8760	0.000000
1637	11.07.2024	BULLET TOP AREA (WEST SIDE)	LT FLARE FLANG	Flange	0.5	1	100	0.000003	8760	0.024807
1638	11.07.2024	BULLET TOP AREA (WEST SIDE)	PRESSURE TRANSMITTER	Flange	0.6	1	100	0.000003	8760	0.028200
1639	11.07.2024	BULLET TOP AREA (WEST SIDE)	LEVEL TRANSMITTER	Flange	0.5	1	100	0.000003	8760	0.024807
1640	11.07.2024	BULLET TOP AREA (EAST SIDE)	MAN HOLE - 2	Flange	0.8	1	100	0.000004	8760	0.034521
1641	11.07.2024	BULLET TOP AREA (EAST SIDE)	OTHER	Flange	0.5	1	100	0.000003	8760	0.024807
1642	11.07.2024	BULLET 205 - V- 017	BULLET INLET XZV UPSTEAM	Flange	0.6	1	100	0.000003	8760	0.028200
1643	11.07.2024	BULLET 205 - V- 017	BULLET INLET XZV DOWNSTEAM	Flange	0.5	1	100	0.000003	8760	0.024807
1644	11.07.2024	VAPOUR BALANCING LINE	XZV VALVE UPSTEAM	Flange	0.4	1	100	0.000002	8760	0.021206
1645	11.07.2024	VAPOUR BALANCING LINE	XZV VALVE DOWNSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
1646	11.07.2024	VAPOUR BALANCING LINE	HOV-1-UP steam	Flange	0.3	1	100	0.000002	8760	0.017323
1647	11.07.2024	VAPOUR BALANCING LINE	HOV-1-down steam	Flange	0.6	1	100	0.000003	8760	0.028200
1648	11.07.2024	BULLET OUTLET LINE	XZV VALVE - 1- UP STEAM	Flange	0.5	1	100	0.000003	8760	0.024807

1650	11.07.2024	BULLET OUTLET LINE	XZV VALVE - 1- DOWN STEAM	Flange	0.5	1	100	0.000003	8760	0.024807
1651	11.07.2024	BULLET OUTLET LINE	HOV-1- UP steam	Flange	0.5	1	100	0.000003	8760	0.024807
1652	11.07.2024	BULLET OUTLET LINE	HOV-1-down steam	Flange	1.1	1	100	0.000005	8760	0.043182
1653	11.07.2024	BULLET OUTLET LINE	HOV-2- UP steam	Flange	1	1	100	0.000005	8760	0.040384
1654	11.07.2024	BULLET OUTLET LINE	HOV-2-down steam	Flange	1.5	1	100	0.000006	8760	0.053703
1655	11.07.2024	BULLET OUTLET LINE	PROPYLENE RUN DOWN LINE UP STEAM	Flange	1.2	1	100	0.000005	8760	0.045906
1656	11.07.2024	BULLET OUTLET LINE	PROPYLENE RUN DOWN LINE DOWN STEAM	Flange	1.6	1	100	0.000006	8760	0.056195
1657	11.07.2024	BULLET OUTLET LINE	NRV UP STEAM	Flange	1.5	1	100	0.000006	8760	0.053703
1658	11.07.2024	BULLET OUTLET LINE	NRV DOWN STEAM	Flange	1.2	1	100	0.000005	8760	0.045906
1659	11.07.2024	BULLET OUTLET LINE	IBT DISCHARGE HEADER HOV UP STEAM	Flange	1.3	1	100	0.000006	8760	0.048563
1660	11.07.2024	BULLET OUTLET LINE	IBT DISCHARGE HEADER HOV DOWN STEAM	Flange	1.4	1	100	0.000006	8760	0.051160
1661	11.07.2024	BULLET OUTLET LINE	PM 28 A/B/C MINIMUM FLOW HEADER UP STEAM	Flange	1.5	1	100	0.000006	8760	0.053703
1662	11.07.2024	BULLET OUTLET LINE	PM 28 A/B/C MINIMUM FLOW HEADER DOWN STEAM	Flange	1.6	1	100	0.000006	8760	0.056195
1663	11.07.2024	BULLET OUTLET LINE	NRV VALVE UP steam	Flange	1.2	1	100	0.000005	8760	0.045906
1664	11.07.2024	BULLET OUTLET LINE	NRV VALVE down steam	Flange	0.9	1	100	0.000004	8760	0.037501
1665	11.07.2024	BULLET OUTLET LINE	PM 29 A/B/C MINIMUM FLOW HOV UP STEAM	Flange	0.8	1	100	0.000004	8760	0.034521
1666	11.07.2024	BULLET OUTLET LINE	PM 29 A/B/C MINIMUM FLOW HOV DOWN STEAM	Flange	1.2	1	100	0.000005	8760	0.045906
1667	11.07.2024	BULLET OUTLET LINE	PROPYLENE FROM GANTRY LOADING UP STEAM	Flange	1.1	1	100	0.000005	8760	0.043182
1668	11.07.2024	BULLET OUTLET LINE	PROPYLENE FROM GANTRY LOADING DOWN STEAM	Flange	1.5	1	100	0.000006	8760	0.053703
1669	11.07.2024	BULLET OUTLET LINE	NRV VALVE UP steam	Flange	1.3	1	100	0.000006	8760	0.048563
1670	11.07.2024	BULLET OUTLET LINE	NRV VALVE down steam	Flange	1.2	1	100	0.000005	8760	0.045906
1671	11.07.2024	BULLET OUTLET LINE	HOV-1-UP steam	Flange	0.8	1	100	0.000004	8760	0.034521
1672	11.07.2024	BULLET OUTLET LINE	HOV-1-down steam	Flange	0.9	1	100	0.000004	8760	0.037501
1673	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	PM A/B/C SUCTION HEADER HOV -1 UP STEAM	Flange	2.5	1	100	0.000009	8760	0.076905
1674	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	PM A/B/C SUCTION HEADER HOV -1 DOWN STEAM	Flange	2.2	1	100	0.000008	8760	0.070296
1675	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	HOV-2- UP steam	Flange	2.8	1	100	0.000010	8760	0.083283
1676	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	HOV-2-down steam	Flange	0.1	1	100	0.000001	8760	0.008002
1677	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	IBT PM SUCTION HEADER HOV -1 UP STEAM	Flange	2.3	1	100	0.000008	8760	0.072527
1678	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	IBT PM SUCTION HEADER HOV -1 DOWN STEAM	Flange	2.4	1	100	0.000009	8760	0.074730
1679	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	HOV-2-UP steam	Flange	0.9	1	100	0.000004	8760	0.037501
1680	11.07.2024	PIPELINE FROM BULLET OUTLET HEADER	HOV-2-down steam	Flange	0.5	1	100	0.000003	8760	0.024807
1681	11.07.2024	Bullet water Draining line	HOV-1-UP steam	Flange	0.9	1	100	0.000004	8760	0.037501
1682	11.07.2024	Bullet water Draining line	HOV-1-down steam	Flange	1.2	1	100	0.000005	8760	0.045906
1683	11.07.2024	Bullet water Draining line	HOV-2-UP steam	Flange	1.5	1	100	0.000006	8760	0.053703
1684	11.07.2024	Bullet water Draining line	HOV-2-down steam	Flange	1.4	1	100	0.000006	8760	0.051160
1685	11.07.2024	BULLET TOP AREA (WEST SIDE)	MAN HOLE - 1	Flange	1.6	1	100	0.000006	8760	0.056195
1686	11.07.2024	BULLET TOP AREA (WEST SIDE)	BULLET INLET FLANGE	Flange	1.5	1	100	0.000006	8760	0.053703
1687	11.07.2024	BULLET TOP AREA (WEST SIDE)	BULLET VAPOUR BALANCING	Flange	1.6	1	100	0.000006	8760	0.056195
1688	11.07.2024	BULLET TOP AREA (WEST SIDE)	LT FLARE FLANG	Flange	2.1	1	100	0.000008	8760	0.068034
1689	11.07.2024	BULLET TOP AREA (WEST SIDE)	PRESSURE TRANSMITTER	Flange	2.3	1	100	0.000008	8760	0.072527
1690	11.07.2024	BULLET TOP AREA (WEST SIDE)	LEVEL TRANSMITTER	Flange	0.8	1	100	0.000004	8760	0.034521
1691	11.07.2024	BULLET TOP AREA (EAST SIDE)	MAN HOLE - 2	Flange	0.5	1	100	0.000003	8760	0.024807
1692	11.07.2024	BULLET TOP AREA (EAST SIDE)	OTHER	Flange	0.5	1	100	0.000003	8760	0.024807
1693	11.07.2024	LPG GANTRY BAY - 1	XZV LPG line up steam	Flange	0	1	100	0.000000	8760	0.000000
1694	11.07.2024	LPG GANTRY BAY - 1	XZV LPG line down steam	Flange	0.2	1	100	0.000001	8760	0.013027
1695	11.07.2024	LPG GANTRY BAY - 1	HOV 1 up steam	Flange	0	1	100	0.000000	8760	0.000000
1696	11.07.2024	LPG GANTRY BAY - 1	HOV 1 down steam	Flange	0.3	1	100	0.000002	8760	0.017323
1697	11.07.2024	LPG GANTRY BAY - 1	HOV 2 up steam	Flange	0.1	1	100	0.000001	8760	0.008002
1698	11.07.2024	LPG GANTRY BAY - 1	HOV 2 down steam	Flange	0.2	1	100	0.000001	8760	0.013027
1699	11.07.2024	LPG GANTRY BAY - 1	LPG liquid loding arm	Flange	0	1	100	0.000000	8760	0.000000
1700	11.07.2024	LPG VAPOR LINE	MOV- 1- 6001 up steam	Flange	0	1	100	0.000000	8760	0.000000
1701	11.07.2024	LPG VAPOR LINE	MOV- 1- 6002 down steam	Flange	0	1	100	0.000000	8760	0.000000
1702	11.07.2024	LPG VAPOR LINE	HOV-1-up steam	Flange	0	1	100	0.000000	8760	0.000000
1703	11.07.2024	LPG VAPOR LINE	HOV-1- down steam	Flange	0	1	100	0.000000	8760	0.000000
1704	11.07.2024	LPG VAPOR LINE	Vapor loading arm flange	Flange	0.1	1	100	0.000001	8760	0.008002
1705	11.07.2024	LPG LIQUID RETURN LINE	HOV-1-up steam	Flange	0	1	100	0.000000	8760	0.000000
1706	11.07.2024	LPG LIQUID RETURN LINE	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
1707	11.07.2024	LPG LIQUID RETURN LINE	HOV-2-up steam	Flange	0.1	1	100	0.000001	8760	0.008002
1708	11.07.2024	LPG LIQUID RETURN LINE	HOV-2-down steam	Flange	0	1	100	0.000000	8760	0.000000
1709	11.07.2024	LPG VENTING TO LT FLANGE	HOV-1-up steam	Flange	0.1	1	100	0.000001	8760	0.008002
1710	11.07.2024	LPG VENTING TO LT FLANGE	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
1711	11.07.2024	LPG VENTING TO LT FLANGE	HOV-2-up steam	Flange	0.1	1	100	0.000001	8760	0.008002
1712	11.07.2024	LPG VENTING TO LT FLANGE	HOV-2- down steam	Flange	0	1	100	0.000000	8760	0.000000
1713	11.07.2024	LPG VENTING TO LT FLANGE	HOV-3-up steam	Flange	0	1	100	0.000000	8760	0.000000
1714	11.07.2024	LPG VENTING TO LT FLANGE	HOV-3-down steam	Flange	0	1	100	0.000000	8760	0.000000
1715	11.07.2024	LPG VENTING TO LT FLANGE	HOV-4-up steam	Flange	0	1	100	0.000000	8760	0.000000
1716	11.07.2024	LPG VENTING TO LT FLANGE	HOV-4- down steam	Flange	0	1	100	0.000000	8760	0.000000
1717	11.07.2024	LPG GANTRY BAY - 2	XZV LPG liquid line 6002	Flange	0	1	100	0.000000	8760	0.000000
1718	11.07.2024	LPG GANTRY BAY - 2	XZV LPG liquid line 6002	Flange	0	1	100	0.000000	8760	0.000000
1719	11.07.2024	LPG GANTRY BAY - 2	HOV-1-up steam	Flange	0	1	100	0.000000	8760	0.000000
1720	11.07.2024	LPG GANTRY BAY - 2	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
1721	11.07.2024	LPG GANTRY BAY - 2	HOV-2-up steam	Flange	0	1	100	0.000000	8760	0.000000

1722	11.07.2024	LPG GANTRY BAY - 2	HOV-2-down steam	Flange	0	1	100	0.000000	8760	0.000000	
1723	11.07.2024	LPG GANTRY BAY - 2	LPG liquid loding arm	Flange	0	1	100	0.000000	8760	0.000000	
1724	11.07.2024	LPG VAPOR LINE	MOV-1-up steam 6001	Flange	0	1	100	0.000000	8760	0.000000	
1725	11.07.2024	LPG VAPOR LINE	MOV-1-down steam 6001	Flange	0	1	100	0.000000	8760	0.000000	
1726	11.07.2024	LPG VAPOR LINE	HOV-1-up steam	Flange	0	1	100	0.000000	8760	0.000000	
1727	11.07.2024	LPG VAPOR LINE	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000	
1728	11.07.2024	LPG VAPOR LINE	vapour loading arm	Flange	0.1	1	100	0.000001	8760	0.008002	
1729	11.07.2024	LPG LIQUID RETURN LINE	HOV-1-up steam	Flange	0	1	100	0.000000	8760	0.000000	
1730	11.07.2024	LPG LIQUID RETURN LINE	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000	
1731	11.07.2024	LPG LIQUID RETURN LINE	HOV-2-up steam	Flange	0	1	100	0.000000	8760	0.000000	
1732	11.07.2024	LPG LIQUID RETURN LINE	HOV-2-down steam	Flange	0.1	1	100	0.000001	8760	0.008002	
1733	11.07.2024	LPG VENTING TO LT FLANGE	HOV-1-up steam	Flange	0	1	100	0.000000	8760	0.000000	
1734	11.07.2024	LPG VENTING TO LT FLANGE	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000	
1735	11.07.2024	LPG VENTING TO LT FLANGE	LPG VENTING TO LT FLANGE	Flange	0	1	100	0.000000	8760	0.000000	
1736	11.07.2024	LPG VENTING TO LT FLANGE	HOV-2-down steam	Flange	0	1	100	0.000000	8760	0.000000	
1737	11.07.2024	LPG VENTING TO LT FLANGE	HOV-3-up steam	Flange	0	1	100	0.000000	8760	0.000000	
1738	11.07.2024	LPG VENTING TO LT FLANGE	HOV-3-down steam	Flange	0	1	100	0.000000	8760	0.000000	
1739	11.07.2024	LPG VENTING TO LT FLANGE	HOV-4-up steam	Flange	0	1	100	0.000000	8760	0.000000	
1740	11.07.2024	LPG VENTING TO LT FLANGE	HOV-4-down steam	Flange	0.1	1	100	0.000001	8760	0.008002	
1741	11.07.2024	LPG GANTRY BAY - 3	XZV LPG liquid line 6003	Flange	0	1	100	0.000000	8760	0.000000	
1742	11.07.2024	LPG GANTRY BAY - 3	XZV LPG liquid line 6003	Flange	0	1	100	0.000000	8760	0.000000	
1743	11.07.2024	LPG GANTRY BAY - 3	HOV-1-up steam	Flange	0	1	100	0.000000	8760	0.000000	
1744	11.07.2024	LPG GANTRY BAY - 3	HOV-1-down steam	LPG GANTRY BAY - 3	Flange	0	1	100	0.000000	8760	0.000000
1745	11.07.2024	LPG GANTRY BAY - 3	HOV-2-up steam	Flange	0.1	1	100	0.000001	8760	0.008002	
1746	11.07.2024	LPG GANTRY BAY - 3	LPG liquid loding arm	Flange	0	1	100	0.000000	8760	0.000000	
1747	11.07.2024	LPG VAPOUR LINE	MOV 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000	
1748	11.07.2024	LPG VAPOUR LINE	MOV 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000	
1749	11.07.2024	LPG VAPOUR LINE	HOV-1-UP STEAM	Flange	0	1	100	0.000000	8760	0.000000	
1750	11.07.2024	LPG VAPOUR LINE	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000	
1751	11.07.2024	LPG VAPOUR LINE	vapour loading arm	Flange	0	1	100	0.000000	8760	0.000000	
1752	11.07.2024	LPG LIQUID RETURN LINE	HOV-1-up steam	Flange	0	1	100	0.000000	8760	0.000000	
1753	11.07.2024	LPG LIQUID RETURN LINE	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000	
1754	11.07.2024	LPG LIQUID RETURN LINE	HOV-2-up steam	Flange	0.1	1	100	0.000001	8760	0.008002	
1755	11.07.2024	LPG LIQUID RETURN LINE	HOV-2-down steam	Flange	0	1	100	0.000000	8760	0.000000	
1756	11.07.2024	LPG VENTING TO LT FLANGE	HOV-1-up steam	Flange	0	1	100	0.000000	8760	0.000000	
1757	11.07.2024	LPG VENTING TO LT FLANGE	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000	
1758	11.07.2024	LPG VENTING TO LT FLANGE	HOV-2-up steam	Flange	0	1	100	0.000000	8760	0.000000	
1759	11.07.2024	LPG VENTING TO LT FLANGE	HOV-2-down steam	Flange	0	1	100	0.000000	8760	0.000000	
1760	11.07.2024	LPG VENTING TO LT FLANGE	HOV-3-up steam	Flange	0	1	100	0.000000	8760	0.000000	
1761	11.07.2024	LPG VENTING TO LT FLANGE	HOV-3-down steam	Flange	0	1	100	0.000000	8760	0.000000	
1762	11.07.2024	LPG VENTING TO LT FLANGE	HOV-4-up steam	Flange	0	1	100	0.000000	8760	0.000000	
1763	11.07.2024	LPG VENTING TO LT FLANGE	HOV-4-down steam	Flange	0	1	100	0.000000	8760	0.000000	
1764	11.07.2024	LPG GANTRY BAY - 4	XZV -6004 LPG liquid line	Flange	0	1	100	0.000000	8760	0.000000	
1765	11.07.2024	LPG GANTRY BAY - 4	XZV -6004 LPG liquid line	Flange	0	1	100	0.000000	8760	0.000000	
1766	11.07.2024	LPG GANTRY BAY - 4	HOV-1-UP steam	Flange	0	1	100	0.000000	8760	0.000000	
1767	11.07.2024	LPG GANTRY BAY - 4	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000	
1768	11.07.2024	LPG GANTRY BAY - 4	HOV-2-UP steam	Flange	0	1	100	0.000000	8760	0.000000	
1769	11.07.2024	LPG GANTRY BAY - 4	HOV-2-down steam	Flange	0	1	100	0.000000	8760	0.000000	
1770	11.07.2024	LPG GANTRY BAY - 4	LPG liquid loding arm	Flange	0	1	100	0.000000	8760	0.000000	
1771	11.07.2024	LPG VAPOUR LINES	MOV - 1 up steam	Flange	0	1	100	0.000000	8760	0.000000	
1772	11.07.2024	LPG VAPOUR LINES	MOV - 1 down steam	Flange	0	1	100	0.000000	8760	0.000000	
1773	11.07.2024	LPG VAPOUR LINES	HOV-1-up steam	Flange	0	1	100	0.000000	8760	0.000000	
1774	11.07.2024	LPG VAPOUR LINES	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000	
1775	11.07.2024	LPG VAPOUR LINES	vapour loading arm	Flange	0	1	100	0.000000	8760	0.000000	
1776	11.07.2024	LPG LIQUID RETURN LINE	HOV-1-up steam	Flange	0	1	100	0.000000	8760	0.000000	
1777	11.07.2024	LPG LIQUID RETURN LINE	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000	
1778	11.07.2024	LPG LIQUID RETURN LINE	HOV 2-up steam	Flange	0	1	100	0.000000	8760	0.000000	
1779	11.07.2024	LPG LIQUID RETURN LINE	HOV-2-down steam	Flange	0	1	100	0.000000	8760	0.000000	
1780	11.07.2024	LPG VENTING TO LT FLANGE	HOV-1-up steam	Flange	0	1	100	0.000000	8760	0.000000	
1781	11.07.2024	LPG VENTING TO LT FLANGE	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000	
1782	11.07.2024	LPG VENTING TO LT FLANGE	HOV-2-up steam	Flange	0	1	100	0.000000	8760	0.000000	
1783	11.07.2024	LPG VENTING TO LT FLANGE	HOV-2-down steam	Flange	0	1	100	0.000000	8760	0.000000	
1784	11.07.2024	LPG VENTING TO LT FLANGE	HOV-3-up steam	Flange	0	1	100	0.000000	8760	0.000000	
1785	11.07.2024	LPG VENTING TO LT FLANGE	HOV-3-down steam	Flange	0	1	100	0.000000	8760	0.000000	
1786	11.07.2024	LPG VENTING TO LT FLANGE	HOV-4-up steam	Flange	0	1	100	0.000000	8760	0.000000	
1787	11.07.2024	LPG VENTING TO LT FLANGE	HOV-4-down steam	Flange	0	1	100	0.000000	8760	0.000000	
1788	11.07.2024	LPG GANTRY BAY - 5	XZV 6006 LPG LIQUID LINE	Flange	0	1	100	0.000000	8760	0.000000	
1789	11.07.2024	LPG GANTRY BAY - 5	XZV 6006 LPG LIQUID LINE	Flange	0	1	100	0.000000	8760	0.000000	
1790	11.07.2024	LPG GANTRY BAY - 5	HOV-1-up steam	Flange	0	1	100	0.000000	8760	0.000000	
1791	11.07.2024	LPG GANTRY BAY - 5	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000	
1792	11.07.2024	LPG GANTRY BAY - 5	HOV-2-up steam	Flange	0	1	100	0.000000	8760	0.000000	
1793	11.07.2024	LPG GANTRY BAY - 5	HOV-2-down steam	Flange	0	1	100	0.000000	8760	0.000000	

1794	11.07.2024	LPG GANTRY BAY - 5	LPG liquid loding arm	Flange	0	1	100	0.000000	8760	0.000000
1795	11.07.2024	LPG VAPOUR LINE	MOV-1-up steam	Flange	0	1	100	0.000000	8760	0.000000
1796	11.07.2024	LPG VAPOUR LINE	MOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
1797	11.07.2024	LPG VAPOUR LINE	HOV-1-up steam	Flange	0	1	100	0.000000	8760	0.000000
1798	11.07.2024	LPG VAPOUR LINE	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
1799	11.07.2024	LPG VAPOUR LINE	vapour loading arm	Flange	0	1	100	0.000000	8760	0.000000
1800	11.07.2024	LPG LIQUID RETURN LINE	HOV-1-up steam	Flange	0	1	100	0.000000	8760	0.000000
1801	11.07.2024	LPG LIQUID RETURN LINE	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
1802	11.07.2024	LPG LIQUID RETURN LINE	HOV-2-up steam	Flange	0	1	100	0.000000	8760	0.000000
1803	11.07.2024	LPG LIQUID RETURN LINE	HOV-2-down steam	Flange	0	1	100	0.000000	8760	0.000000
1804	11.07.2024	LPG VENTING TO LT FLANGE	HOV-1-up steam	Flange	0	1	100	0.000000	8760	0.000000
1805	11.07.2024	LPG VENTING TO LT FLANGE	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
1806	11.07.2024	LPG VENTING TO LT FLANGE	HOV-2-up steam	Flange	0	1	100	0.000000	8760	0.000000
1807	11.07.2024	LPG VENTING TO LT FLANGE	HOV-2-down steam	Flange	0	1	100	0.000000	8760	0.000000
1808	11.07.2024	LPG VENTING TO LT FLANGE	HOV-3-up steam	Flange	0	1	100	0.000000	8760	0.000000
1809	11.07.2024	LPG VENTING TO LT FLANGE	HOV-3-down steam	Flange	0	1	100	0.000000	8760	0.000000
1810	11.07.2024	LPG VENTING TO LT FLANGE	HOV-4-up steam	Flange	0	1	100	0.000000	8760	0.000000
1811	11.07.2024	LPG VENTING TO LT FLANGE	HOV-4-down steam	Flange	0	1	100	0.000000	8760	0.000000
1812	11.07.2024	LPG GANTRY BAY - 6	XZV 6007 LPG liquid line	Flange	0	1	100	0.000000	8760	0.000000
1813	11.07.2024	LPG GANTRY BAY - 6	XZV 6007 LPG liquid line	Flange	0	1	100	0.000000	8760	0.000000
1814	11.07.2024	LPG GANTRY BAY - 6	HOV-1-up steam	Flange	0	1	100	0.000000	8760	0.000000
1815	11.07.2024	LPG GANTRY BAY - 6	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
1816	11.07.2024	LPG GANTRY BAY - 6	HOV-2-up steam	Flange	0	1	100	0.000000	8760	0.000000
1817	11.07.2024	LPG GANTRY BAY - 6	HOV-2-down steam	Flange	0	1	100	0.000000	8760	0.000000
1818	11.07.2024	LPG GANTRY BAY - 6	LPG liquid loding arm	Flange	0	1	100	0.000000	8760	0.000000
1819	11.07.2024	LPG VAPOUR LINE	MOV-1-up steam	Flange	0	1	100	0.000000	8760	0.000000
1820	11.07.2024	LPG VAPOUR LINE	MOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
1821	11.07.2024	LPG VAPOUR LINE	HOV-1-up steam	Flange	0	1	100	0.000000	8760	0.000000
1822	11.07.2024	LPG VAPOUR LINE	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
1823	11.07.2024	LPG VAPOUR LINE	vapour loading arm	Flange	0	1	100	0.000000	8760	0.000000
1824	11.07.2024	LPG LIQUID RETURN LINE	HOV-1-up steam	Flange	0	1	100	0.000000	8760	0.000000
1825	11.07.2024	LPG LIQUID RETURN LINE	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
1826	11.07.2024	LPG LIQUID RETURN LINE	HOV-2-up steam	Flange	0	1	100	0.000000	8760	0.000000
1827	11.07.2024	LPG LIQUID RETURN LINE	HOV-2-down steam	Flange	0	1	100	0.000000	8760	0.000000
1828	11.07.2024	LPG VENTING TO LT FLANGE	HOV-1-up steam	Flange	0	1	100	0.000000	8760	0.000000
1829	11.07.2024	LPG VENTING TO LT FLANGE	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
1830	11.07.2024	LPG VENTING TO LT FLANGE	HOV-2-up steam	Flange	0	1	100	0.000000	8760	0.000000
1831	11.07.2024	LPG VENTING TO LT FLANGE	HOV-2-down steam	Flange	0	1	100	0.000000	8760	0.000000
1832	11.07.2024	LPG VENTING TO LT FLANGE	HOV-3-up steam	Flange	0	1	100	0.000000	8760	0.000000
1833	11.07.2024	LPG VENTING TO LT FLANGE	HOV-3-down steam	Flange	0	1	100	0.000000	8760	0.000000
1834	11.07.2024	LPG VENTING TO LT FLANGE	HOV-4-up steam	Flange	0	1	100	0.000000	8760	0.000000
1835	11.07.2024	LPG VENTING TO LT FLANGE	HOV-4-down steam	Flange	0	1	100	0.000000	8760	0.000000
1836	11.07.2024	LPG GANTRY BAY - 7	XZV 6051 LPG LIQUID LINE	Flange	0	1	100	0.000000	8760	0.000000
1837	11.07.2024	LPG GANTRY BAY - 7	XZV 6051 LPG LIQUID LINE	Flange	0	1	100	0.000000	8760	0.000000
1838	11.07.2024	LPG GANTRY BAY - 7	HOV-1-up steam	Flange	0	1	100	0.000000	8760	0.000000
1839	11.07.2024	LPG GANTRY BAY - 7	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
1840	11.07.2024	LPG GANTRY BAY - 7	HOV-2-up steam	Flange	0	1	100	0.000000	8760	0.000000
1841	11.07.2024	LPG GANTRY BAY - 7	HOV-2-down steam	Flange	0	1	100	0.000000	8760	0.000000
1842	11.07.2024	LPG GANTRY BAY - 7	LPG liquid loding arm	Flange	0	1	100	0.000000	8760	0.000000
1843	11.07.2024	LPG VAPOUR LINE	MOV-1-up steam	Flange	0	1	100	0.000000	8760	0.000000
1844	11.07.2024	LPG VAPOUR LINE	MOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
1845	11.07.2024	LPG VAPOUR LINE	HOV-1-up steam	Flange	0	1	100	0.000000	8760	0.000000
1846	11.07.2024	LPG VAPOUR LINE	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
1847	11.07.2024	LPG VAPOUR LINE	vapour loading arm	Flange	0	1	100	0.000000	8760	0.000000
1848	11.07.2024	LPG LIQUID RETURN LINE	HOV-1-up steam	Flange	0	1	100	0.000000	8760	0.000000
1849	11.07.2024	LPG LIQUID RETURN LINE	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
1850	11.07.2024	LPG LIQUID RETURN LINE	HOV-2-up steam	Flange	0	1	100	0.000000	8760	0.000000
1851	11.07.2024	LPG LIQUID RETURN LINE	HOV-2-down steam	Flange	0	1	100	0.000000	8760	0.000000
1852	11.07.2024	LPG VENTING TO LT FLANGE	HOV-1-up steam	Flange	0	1	100	0.000000	8760	0.000000
1853	11.07.2024	LPG VENTING TO LT FLANGE	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
1854	11.07.2024	LPG VENTING TO LT FLANGE	HOV-2-up steam	Flange	0	1	100	0.000000	8760	0.000000
1855	11.07.2024	LPG VENTING TO LT FLANGE	HOV-2-down steam	Flange	0	1	100	0.000000	8760	0.000000
1856	11.07.2024	LPG VENTING TO LT FLANGE	HOV-3-up steam	Flange	0	1	100	0.000000	8760	0.000000
1857	11.07.2024	LPG VENTING TO LT FLANGE	HOV-3-down steam	Flange	0	1	100	0.000000	8760	0.000000
1858	11.07.2024	LPG VENTING TO LT FLANGE	HOV-4-up steam	Flange	0	1	100	0.000000	8760	0.000000
1859	11.07.2024	LPG VENTING TO LT FLANGE	HOV-4-down steam	Flange	0	1	100	0.000000	8760	0.000000
1860	11.07.2024	LPG BAY NO 1 NORTH SIDE PIPE LINE VAPOUR FROM TANKER LOADING TO BULLET	HOV-A1	Flange	0	1	100	0.000000	8760	0.000000
1861	11.07.2024	LPG BAY NO 1 NORTH SIDE PIPE LINE VAPOUR FROM TANKER LOADING TO BULLET	HOV-A2	Flange	0	1	100	0.000000	8760	0.000000
1862	11.07.2024	LPG BAY NO 1 NORTH SIDE PIPE LINE VAPOUR FROM TANKER LOADING TO BULLET	HOV-B1	Flange	0	1	100	0.000000	8760	0.000000

1863	11.07.2024	LPG BAY NO 1 NORTH SIDE PIPE LINE VAPOUR FROM TANKER LOADING TO BULLET	HOV-B2	Flange	0	1	100	0.000000	8760	0.000000
1864	11.07.2024	LPG BAY NO 1 NORTH SIDE PIPE LINE VAPOUR FROM TANKER LOADING TO BULLET	HOV-C1	Flange	0	1	100	0.000000	8760	0.000000
1865	11.07.2024	LPG BAY NO 1 NORTH SIDE PIPE LINE VAPOUR FROM TANKER LOADING TO BULLET	HOV-C2	Flange	0	1	100	0.000000	8760	0.000000
1866	11.07.2024	LPG BAY NO 1 NORTH SIDE PIPE LINE VAPOUR FROM TANKER LOADING TO BULLET	HOV-D1	Flange	0	1	100	0.000000	8760	0.000000
1867	11.07.2024	LPG BAY NO 1 NORTH SIDE PIPE LINE VAPOUR FROM TANKER LOADING TO BULLET	HOV-D2	Flange	0	1	100	0.000000	8760	0.000000
1868	11.07.2024	LPG BAY NO 1 NORTH SIDE PIPE LINE VAPOUR FROM TANKER LOADING TO BULLET	HOV-E1	Flange	0	1	100	0.000000	8760	0.000000
1869	11.07.2024	LPG BAY NO 1 NORTH SIDE PIPE LINE VAPOUR FROM TANKER LOADING TO BULLET	HOV-E2	Flange	0	1	100	0.000000	8760	0.000000
1870	11.07.2024	LPG BAY NO 1 NORTH SIDE PIPE LINE VAPOUR FROM TANKER LOADING TO BULLET	XZV6005	Flange	0	1	100	0.000000	8760	0.000000
1871	11.07.2024	LPG BAY NO 1 NORTH SIDE PIPE LINE VAPOUR FROM TANKER LOADING TO BULLET	XZV6005	Flange	0	1	100	0.000000	8760	0.000000
1872	11.07.2024	LPG GANTRY CTMS LPG EX A/B/C/D/E/F BRANCH LINE 1	MOV-1-UP steam	Flange	0	1	100	0.000000	8760	0.000000
1873	11.07.2024	LPG GANTRY CTMS LPG EX A/B/C/D/E/F BRANCH LINE 1	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
1874	11.07.2024	LPG GANTRY CTMS LPG EX A/B/C/D/E/F BRANCH LINE 1	STRAINER FLANGE	Flange	0	1	100	0.000000	8760	0.000000
1875	11.07.2024	LPG GANTRY CTMS LPG EX A/B/C/D/E/F BRANCH LINE 1	STRAINER FLANGE	Flange	0	1	100	0.000000	8760	0.000000
1876	11.07.2024	LPG GANTRY CTMS LPG EX A/B/C/D/E/F BRANCH LINE 1	STRAINER FLANGE	Flange	0	1	100	0.000000	8760	0.000000
1877	11.07.2024	LPG GANTRY CTMS LPG EX A/B/C/D/E/F BRANCH LINE 1	PVC HOV TRV B013	Flange	0	1	100	0.000000	8760	0.000000
1878	11.07.2024	LPG GANTRY CTMS LPG EX A/B/C/D/E/F BRANCH LINE 1	PVC HOV TRV B013	Flange	0	1	100	0.000000	8760	0.000000
1879	11.07.2024	LPG GANTRY CTMS LPG EX A/B/C/D/E/F BRANCH LINE 1	PVC HOV TRV B013	Flange	0	1	100	0.000000	8760	0.000000
1880	11.07.2024	LPG GANTRY CTMS LPG EX A/B/C/D/E/F BRANCH LINE 1	PVC HOV TRV B013	Flange	0	1	100	0.000000	8760	0.000000
1881	11.07.2024	LPG GANTRY CTMS LPG EX A/B/C/D/E/F BRANCH LINE 1	FLOW METER FLANGE	Flange	0	1	100	0.000000	8760	0.000000
1882	11.07.2024	LPG GANTRY CTMS LPG EX A/B/C/D/E/F BRANCH LINE 1	FLOW METER FLANGE	Flange	0	1	100	0.000000	8760	0.000000
1883	11.07.2024	LPG GANTRY CTMS LPG EX A/B/C/D/E/F BRANCH LINE 1	MOV-1-FLANGE	Flange	0	1	100	0.000000	8760	0.000000
1884	11.07.2024	LPG GANTRY CTMS LPG EX A/B/C/D/E/F BRANCH LINE 1	MOV-1-FLANGE	Flange	0	1	100	0.000000	8760	0.000000
1885	11.07.2024	LPG GANTRY CTMS LPG EX A/B/C/D/E/F BRANCH LINE 1	DLV VALVE FLANGE	Flange	0	1	100	0.000000	8760	0.000000
1886	11.07.2024	LPG GANTRY CTMS LPG EX A/B/C/D/E/F BRANCH LINE 1	DLV VALVE FLANGE	Flange	0	1	100	0.000000	8760	0.000000
1887	11.07.2024	LPG GANTRY CTMS LPG EX A/B/C/D/E/F BRANCH LINE 1	MOV FLANGE	Flange	0.1	1	100	0.000001	8760	0.008002
1888	11.07.2024	LPG GANTRY CTMS LPG EX A/B/C/D/E/F BRANCH LINE 1	MOV FLANGE	Flange	0.1	1	100	0.000001	8760	0.008002
1889	11.07.2024	LPG GANTRY CTMS LPG EX A/B/C/D/E/F BRANCH LINE 1	HOV-1-up steam	Flange	0	1	100	0.000000	8760	0.000000
1890	11.07.2024	LPG GANTRY CTMS LPG EX A/B/C/D/E/F BRANCH LINE 1	HOV-1-down steam	Flange	0.1	1	100	0.000001	8760	0.008002
1891	11.07.2024	LPG GANTRY CTMS LPG EX A/B/C/D/E/F BRANCH LINE 1	HOV-2-up steam	Flange	0	1	100	0.000000	8760	0.000000
1892	11.07.2024	LPG GANTRY CTMS LPG EX A/B/C/D/E/F BRANCH LINE 1	HOV-2-down steam	Flange	0.1	1	100	0.000001	8760	0.008002
1893	11.07.2024	LPG GANTRY CTMS LPG EX A/B/C/D/E/F BRANCH LINE 1	MT - 3809 FLANGE	Flange	0	1	100	0.000000	8760	0.000000
1894	11.07.2024	LPG GANTRY CTMS LPG EX A/B/C/D/E/F BRANCH LINE 1	MT - 3809 FLANGE	Flange	0.1	1	100	0.000001	8760	0.008002
1895	11.07.2024	LPG GANTRY CTMS LPG EX A/B/C/D/E/F BRANCH LINE 1	HOV FLANGE	Flange	0	1	100	0.000000	8760	0.000000
1896	11.07.2024	LPG GANTRY CTMS LPG EX A/B/C/D/E/F BRANCH LINE 1	Pressure gauge HOV 1	Flange	0.1	1	100	0.000001	8760	0.008002
1897	11.07.2024	LPG GANTRY CTMS LPG EX A/B/C/D/E/F BRANCH LINE 1	Pressure gauge HOV 1	Flange	0	1	100	0.000000	8760	0.000000
1898	11.07.2024	LPG GANTRY CTMS LPG EX A/B/C/D/E/F BRANCH LINE 1	Pressure gauge HOV 2	Flange	0	1	100	0.000000	8760	0.000000

1899	11.07.2024	LPG GANTRY CTMS LPG EX A/B/C/D/E/F BRANCH LINE 1	Pressure gauge HOV 2	Flange	0	1	100	0.000000	8760	0.000000
1900	11.07.2024	LPG GANTRY CTMS LPG EX A/B/C/D/E/F BRANCH LINE 1	other flange 11 numbers	Flange	0	1	100	0.000000	8760	0.000000
1901	11.07.2024	LPG GANTRY CTMS LPG EX A/B/C/D/E/F BRANCH LINE 1	other flange 11 numbers	Flange	0.2	1	100	0.000001	8760	0.013027
1902	11.07.2024	LPG GANTRY CTMS LPG EX A/B/C/D/E/F BRANCH LINE 1	other flange 11 numbers	Flange	0	1	100	0.000000	8760	0.000000
1903	11.07.2024	LPG GANTRY CTMS LPG EX A/B/C/D/E/F BRANCH LINE 1	other flange 11 numbers	Flange	0.3	1	100	0.000002	8760	0.017323
1904	11.07.2024	LPG GANTRY CTMS LPG EX A/B/C/D/E/F BRANCH LINE 1	other flange 11 numbers	Flange	0.1	1	100	0.000001	8760	0.008002
1905	11.07.2024	LPG GANTRY CTMS LPG EX A/B/C/D/E/F BRANCH LINE 1	other flange 11 numbers	Flange	0	1	100	0.000000	8760	0.000000
1906	11.07.2024	LPG GANTRY CTMS LPG EX A/B/C/D/E/F BRANCH LINE 1	other flange 11 numbers	Flange	0.2	1	100	0.000001	8760	0.013027
1907	11.07.2024	LPG GANTRY CTMS LPG EX A/B/C/D/E/F BRANCH LINE 1	other flange 11 numbers	Flange	0	1	100	0.000000	8760	0.000000
1908	11.07.2024	LPG GANTRY CTMS LPG EX A/B/C/D/E/F BRANCH LINE 1	other flange 11 numbers	Flange	0.3	1	100	0.000002	8760	0.017323
1909	11.07.2024	LPG GANTRY CTMS LPG EX A/B/C/D/E/F BRANCH LINE 1	other flange 11 numbers	Flange	0	1	100	0.000000	8760	0.000000
1910	11.07.2024	LPG GANTRY CTMS LPG EX A/B/C/D/E/F BRANCH LINE 1	other flange 11 numbers	Flange	0.2	1	100	0.000001	8760	0.013027
1911	11.07.2024	LPG GANTRY CTMS LPG EX A/B/C/D/E/F BRANCH LINE 1	Stand by 4 to bay 1/2/3/4/5/6/7 HOV	Flange	0	1	100	0.000000	8760	0.000000
1912	11.07.2024	LPG GANTRY CTMS LPG EX A/B/C/D/E/F BRANCH LINE 1	Stand by 4 to bay 1/2/3/4/5/6/7 HOV	Flange	0	1	100	0.000000	8760	0.000000
1913	11.07.2024	LPG GANTRY CTMS LPG EX A/B/C/D/E/F BRANCH LINE 1	Stand by 4 to bay 1/2/3/4/5/6/7 HOV	Flange	0.2	1	100	0.000001	8760	0.013027
1914	11.07.2024	LPG GANTRY CTMS LPG EX A/B/C/D/E/F BRANCH LINE 1	Stand by 4 to bay 1/2/3/4/5/6/7 HOV	Flange	0.1	1	100	0.000001	8760	0.008002
1915	11.07.2024	LPG GANTRY CTMS LPG EX A/B/C/D/E/F BRANCH LINE 1	Stand by 4 to bay 1/2/3/4/5/6/7 HOV	Flange	0	1	100	0.000000	8760	0.000000
1916	11.07.2024	LPG GANTRY CTMS LPG EX A/B/C/D/E/F BRANCH LINE 1	Stand by 4 to bay 1/2/3/4/5/6/7 HOV	Flange	0	1	100	0.000000	8760	0.000000
1917	11.07.2024	LPG GANTRY CTMS LPG EX A/B/C/D/E/F BRANCH LINE 1	Stand by 4 to bay 1/2/3/4/5/6/7 HOV	Flange	0	1	100	0.000000	8760	0.000000
1918	11.07.2024	LPG GANTRY CTMS LPG EX A/B/C/D/E/F BRANCH LINE 1	Stand by 4 to bay 1/2/3/4/5/6/7 HOV	Flange	0	1	100	0.000000	8760	0.000000
1919	11.07.2024	LPG GANTRY CTMS LPG EX A/B/C/D/E/F BRANCH LINE 1	Stand by 4 to bay 1/2/3/4/5/6/7 HOV	Flange	0.1	1	100	0.000001	8760	0.008002
1920	11.07.2024	LPG GANTRY CTMS LPG EX A/B/C/D/E/F BRANCH LINE 1	Stand by 4 to bay 1/2/3/4/5/6/7 HOV	Flange	0	1	100	0.000000	8760	0.000000
1921	11.07.2024	LPG GANTRY CTMS BRANCH LINE -2	MOV-1	Flange	0.2	1	100	0.000001	8760	0.013027
1922	11.07.2024	LPG GANTRY CTMS BRANCH LINE -2	MOV-1	Flange	0	1	100	0.000000	8760	0.000000
1923	11.07.2024	LPG GANTRY CTMS BRANCH LINE -2	STRAINER FLANGE	Flange	0	1	100	0.000000	8760	0.000000
1924	11.07.2024	LPG GANTRY CTMS BRANCH LINE -2	STRAINER FLANGE	Flange	0.1	1	100	0.000001	8760	0.008002
1925	11.07.2024	LPG GANTRY CTMS BRANCH LINE -2	STRAINER FLANGE	Flange	0	1	100	0.000000	8760	0.000000
1926	11.07.2024	LPG GANTRY CTMS BRANCH LINE -2	PSV HOV (TRV - B012)	Flange	0.2	1	100	0.000001	8760	0.013027
1927	11.07.2024	LPG GANTRY CTMS BRANCH LINE -2	PSV HOV (TRV - B012)	Flange	0	1	100	0.000000	8760	0.000000
1928	11.07.2024	LPG GANTRY CTMS BRANCH LINE -2	PSV HOV (TRV - B012)	Flange	0	1	100	0.000000	8760	0.000000
1929	11.07.2024	LPG GANTRY CTMS BRANCH LINE -2	PSV HOV (TRV - B012)	Flange	0.1	1	100	0.000001	8760	0.008002
1930	11.07.2024	LPG GANTRY CTMS BRANCH LINE -2	FLOW METER FLANGE	Flange	0	1	100	0.000000	8760	0.000000
1931	11.07.2024	LPG GANTRY CTMS BRANCH LINE -2	FLOW METER FLANGE	Flange	0.2	1	100	0.000001	8760	0.013027
1932	11.07.2024	LPG GANTRY CTMS BRANCH LINE -2	MOV FLANGE	Flange	0.2	1	100	0.000001	8760	0.013027
1933	11.07.2024	LPG GANTRY CTMS BRANCH LINE -2	MOV FLANGE	Flange	0.1	1	100	0.000001	8760	0.008002
1934	11.07.2024	LPG GANTRY CTMS BRANCH LINE -2	DLV VALVE FLANGE	Flange	0.3	1	100	0.000002	8760	0.017323
1935	11.07.2024	LPG GANTRY CTMS BRANCH LINE -2	DLV VALVE FLANGE	Flange	0.1	1	100	0.000001	8760	0.008002
1936	11.07.2024	LPG GANTRY CTMS BRANCH LINE -2	MOV FLANGE	Flange	0.4	1	100	0.000002	8760	0.021206
1937	11.07.2024	LPG GANTRY CTMS BRANCH LINE -2	MOV FLANGE	Flange	0.6	1	100	0.000003	8760	0.028200
1938	11.07.2024	LPG GANTRY CTMS BRANCH LINE -2	STAND BY 1 TO BAY 1 HOVs	Flange	0.3	1	100	0.000002	8760	0.017323
1939	11.07.2024	LPG GANTRY CTMS BRANCH LINE -2	STAND BY 1 TO BAY 1 HOVs	Flange	0.5	1	100	0.000003	8760	0.024807
1940	11.07.2024	LPG GANTRY CTMS BRANCH LINE -2	STAND BY 1 TO BAY 1 HOVs	Flange	0.6	1	100	0.000003	8760	0.028200
1941	11.07.2024	LPG GANTRY CTMS BRANCH LINE -2	STAND BY 1 TO BAY 1 HOVs	Flange	0.1	1	100	0.000001	8760	0.008002
1942	11.07.2024	LPG GANTRY CTMS BRANCH LINE -2	STAND BY 1 TO BAY 1 HOVs	Flange	0.5	1	100	0.000003	8760	0.024807
1943	11.07.2024	LPG GANTRY CTMS BRANCH LINE -2	STAND BY 1 TO BAY 1 HOVs	Flange	0.6	1	100	0.000003	8760	0.028200
1944	11.07.2024	LPG GANTRY CTMS BRANCH LINE -2	STAND BY 2 TO BAY 2 HOVs	Flange	0.2	1	100	0.000001	8760	0.013027
1945	11.07.2024	LPG GANTRY CTMS BRANCH LINE -2	STAND BY 2 TO BAY 2 HOVs	Flange	0.5	1	100	0.000003	8760	0.024807
1946	11.07.2024	LPG GANTRY CTMS BRANCH LINE -3	MOV-1	Flange	0.2	1	100	0.000001	8760	0.013027
1947	11.07.2024	LPG GANTRY CTMS BRANCH LINE -3	MOV-1	Flange	0.1	1	100	0.000001	8760	0.008002
1948	11.07.2024	LPG GANTRY CTMS BRANCH LINE -3	STRAINER FLANGE	Flange	1.1	1	100	0.000005	8760	0.043182
1949	11.07.2024	LPG GANTRY CTMS BRANCH LINE -3	STRAINER FLANGE	Flange	1.5	1	100	0.000006	8760	0.053703

1950	11.07.2024	LPG GANTRY CTMS BRANCH LINE -3	STRAINER FLANGE	Flange	1.5	1	100	0.000006	8760	0.053703
1951	11.07.2024	LPG GANTRY CTMS BRANCH LINE -3	PSV HOV (205 -TRV - B011)	Flange	0.5	1	100	0.000003	8760	0.024807
1952	11.07.2024	LPG GANTRY CTMS BRANCH LINE -3	PSV HOV (205 -TRV - B011)	Flange	0.8	1	100	0.000004	8760	0.034521
1953	11.07.2024	LPG GANTRY CTMS BRANCH LINE -3	PSV HOV (205 -TRV - B011)	Flange	0.5	1	100	0.000003	8760	0.024807
1954	11.07.2024	LPG GANTRY CTMS BRANCH LINE -3	PSV HOV (205 -TRV - B011)	Flange	0.6	1	100	0.000003	8760	0.028200
1955	11.07.2024	LPG GANTRY CTMS BRANCH LINE -3	FLOW METER FLANGE	Flange	0.6	1	100	0.000003	8760	0.028200
1956	11.07.2024	LPG GANTRY CTMS BRANCH LINE -3	FLOW METER FLANGE	Flange	0.5	1	100	0.000003	8760	0.024807
1957	11.07.2024	LPG GANTRY CTMS BRANCH LINE -3	MOV FLANGE	Flange	0.6	1	100	0.000003	8760	0.028200
1958	11.07.2024	LPG GANTRY CTMS BRANCH LINE -3	MOV FLANGE	Flange	0.4	1	100	0.000002	8760	0.021206
1959	11.07.2024	LPG GANTRY CTMS BRANCH LINE -3	DLV VALVE FLANGE	Flange	0.3	1	100	0.000002	8760	0.017323
1960	11.07.2024	LPG GANTRY CTMS BRANCH LINE -3	DLV VALVE FLANGE	Flange	0.2	1	100	0.000001	8760	0.013027
1961	11.07.2024	LPG GANTRY CTMS BRANCH LINE -3	MOV FLANGE	Flange	0.5	1	100	0.000003	8760	0.024807
1962	11.07.2024	LPG GANTRY CTMS BRANCH LINE -3	STAND BY 3 TO BAY 1 HOVs	Flange	0.5	1	100	0.000003	8760	0.024807
1963	11.07.2024	LPG GANTRY CTMS BRANCH LINE -3	STAND BY 3 TO BAY 1 HOVs	Flange	0.6	1	100	0.000003	8760	0.028200
1964	11.07.2024	LPG GANTRY CTMS BRANCH LINE -3	STAND BY 3 TO BAY 1 HOVs	Flange	0.5	1	100	0.000003	8760	0.024807
1965	11.07.2024	LPG GANTRY CTMS BRANCH LINE -3	STAND BY 3 TO BAY 1 HOVs	Flange	0.6	1	100	0.000003	8760	0.028200
1966	11.07.2024	LPG GANTRY CTMS BRANCH LINE -3	STAND BY 3 TO BAY 1 HOVs	Flange	0.5	1	100	0.000003	8760	0.024807
1967	11.07.2024	LPG GANTRY CTMS BRANCH LINE -3	STAND BY 3 TO BAY 1 HOVs	Flange	0.6	1	100	0.000003	8760	0.028200
1968	11.07.2024	LPG GANTRY CTMS BRANCH LINE -3	MASTER METER BAY 2	Flange	0.8	1	100	0.000004	8760	0.034521
1969	11.07.2024	LPG GANTRY CTMS BRANCH LINE -3	MASTER METER BAY 2	Flange	0	1	100	0.000000	8760	0.000000
1970	11.07.2024	LPG GANTRY CTMS BRANCH LINE -4	MOV-1	Flange	0.5	1	100	0.000003	8760	0.024807
1971	11.07.2024	LPG GANTRY CTMS BRANCH LINE -4	MOV-1	Flange	0.1	1	100	0.000001	8760	0.008002
1972	11.07.2024	LPG GANTRY CTMS BRANCH LINE -4	STRAINER FLANGE	Flange	1.2	1	100	0.000005	8760	0.045906
1973	11.07.2024	LPG GANTRY CTMS BRANCH LINE -4	STRAINER FLANGE	Flange	1.3	1	100	0.000006	8760	0.048563
1974	11.07.2024	LPG GANTRY CTMS BRANCH LINE -4	STRAINER FLANGE	Flange	1.4	1	100	0.000006	8760	0.051160
1975	11.07.2024	LPG GANTRY CTMS BRANCH LINE -4	PSV HOV	Flange	0.1	1	100	0.000001	8760	0.008002
1976	11.07.2024	LPG GANTRY CTMS BRANCH LINE -4	PSV HOV	Flange	0.5	1	100	0.000003	8760	0.024807
1977	11.07.2024	LPG GANTRY CTMS BRANCH LINE -4	PSV HOV	Flange	0.6	1	100	0.000003	8760	0.028200
1978	11.07.2024	LPG GANTRY CTMS BRANCH LINE -4	PSV HOV	Flange	0.5	1	100	0.000003	8760	0.024807
1979	11.07.2024	LPG GANTRY CTMS BRANCH LINE -4	FLOW METER FLANGE	Flange	0.9	1	100	0.000004	8760	0.037501
1980	11.07.2024	LPG GANTRY CTMS BRANCH LINE -4	FLOW METER FLANGE	Flange	1	1	100	0.000005	8760	0.040384
1981	11.07.2024	LPG GANTRY CTMS BRANCH LINE -4	MOV FLANGE	Flange	1.1	1	100	0.000005	8760	0.043182
1982	11.07.2024	LPG GANTRY CTMS BRANCH LINE -4	MOV FLANGE	Flange	0.9	1	100	0.000004	8760	0.037501
1983	11.07.2024	LPG GANTRY CTMS BRANCH LINE -4	DLV VALVE FLANGE	Flange	1.1	1	100	0.000005	8760	0.043182
1984	11.07.2024	LPG GANTRY CTMS BRANCH LINE -4	DLV VALVE FLANGE	Flange	1.5	1	100	0.000006	8760	0.053703
1985	11.07.2024	LPG GANTRY CTMS BRANCH LINE -4	MOV FLANGE	Flange	0.6	1	100	0.000003	8760	0.028200
1986	11.07.2024	LPG GANTRY CTMS BRANCH LINE -4	MOV FLANGE	Flange	0.6	1	100	0.000003	8760	0.028200
1987	11.07.2024	LPG GANTRY CTMS BRANCH LINE -4	HOV-1-up steam	Flange	0	1	100	0.000000	8760	0.000000
1988	11.07.2024	LPG GANTRY CTMS BRANCH LINE -4	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
1989	11.07.2024	LPG GANTRY CTMS BRANCH LINE -4	HOV-2-up steam	Flange	0	1	100	0.000000	8760	0.000000
1990	11.07.2024	LPG GANTRY CTMS BRANCH LINE -4	HOV-2-down steam	Flange	0	1	100	0.000000	8760	0.000000
1991	11.07.2024	LPG GANTRY CTMS BRANCH LINE -4	HOV-3-up steam	Flange	0.9	1	100	0.000004	8760	0.037501
1992	11.07.2024	LPG GANTRY CTMS BRANCH LINE -4	HOV-3-down steam	Flange	0.2	1	100	0.000001	8760	0.013027
1993	11.07.2024	LPG GANTRY CTMS BRANCH LINE -4	HOV-4-up steam	Flange	0.9	1	100	0.000004	8760	0.037501
1994	11.07.2024	LPG GANTRY CTMS BRANCH LINE -4	HOV-4-down steam	Flange	0.5	1	100	0.000003	8760	0.024807
1995	11.07.2024	LPG GANTRY CTMS BRANCH LINE -5	MOV-1	Flange	0.6	1	100	0.000003	8760	0.028200
1996	11.07.2024	LPG GANTRY CTMS BRANCH LINE -5	MOV-1	Flange	0.8	1	100	0.000004	8760	0.034521
1997	11.07.2024	LPG GANTRY CTMS BRANCH LINE -5	STRAINER FLANGE	Flange	2.2	1	100	0.000008	8760	0.070296
1998	11.07.2024	LPG GANTRY CTMS BRANCH LINE -5	STRAINER FLANGE	Flange	2.5	1	100	0.000009	8760	0.076905
1999	11.07.2024	LPG GANTRY CTMS BRANCH LINE -5	STRAINER FLANGE	Flange	2.6	1	100	0.000009	8760	0.079055
2000	11.07.2024	LPG GANTRY CTMS BRANCH LINE -5	PSV HOV (TRV-B009)	Flange	0.2	1	100	0.000001	8760	0.013027
2001	11.07.2024	LPG GANTRY CTMS BRANCH LINE -5	PSV HOV (TRV-B009)	Flange	0.5	1	100	0.000003	8760	0.024807
2002	11.07.2024	LPG GANTRY CTMS BRANCH LINE -5	PSV HOV (TRV-B009)	Flange	0.3	1	100	0.000002	8760	0.017323
2003	11.07.2024	LPG GANTRY CTMS BRANCH LINE -5	PSV HOV (TRV-B009)	Flange	0.9	1	100	0.000004	8760	0.037501
2004	11.07.2024	LPG GANTRY CTMS BRANCH LINE -5	FLOW METER FLANGE	Flange	1	1	100	0.000005	8760	0.040384
2005	11.07.2024	LPG GANTRY CTMS BRANCH LINE -5	FLOW METER FLANGE	Flange	1.2	1	100	0.000005	8760	0.045906
2006	11.07.2024	LPG GANTRY CTMS BRANCH LINE -5	MOV FLANGE	Flange	1.3	1	100	0.000006	8760	0.048563
2007	11.07.2024	LPG GANTRY CTMS BRANCH LINE -5	MOV FLANGE	Flange	0.8	1	100	0.000004	8760	0.034521
2008	11.07.2024	LPG GANTRY CTMS BRANCH LINE -5	DLV VALVE FLANGE	Flange	1.2	1	100	0.000005	8760	0.045906
2009	11.07.2024	LPG GANTRY CTMS BRANCH LINE -5	DLV VALVE FLANGE	Flange	1.3	1	100	0.000006	8760	0.048563
2010	11.07.2024	LPG GANTRY CTMS BRANCH LINE -5	MOV FLANGE	Flange	1.2	1	100	0.000005	8760	0.045906
2011	11.07.2024	LPG GANTRY CTMS BRANCH LINE -5	MOV FLANGE	Flange	1	1	100	0.000005	8760	0.040384
2012	11.07.2024	LPG GANTRY CTMS BRANCH LINE -5	HOV-1-up steam	Flange	0.9	1	100	0.000004	8760	0.037501
2013	11.07.2024	LPG GANTRY CTMS BRANCH LINE -5	HOV-1-down steam	Flange	1	1	100	0.000005	8760	0.040384
2014	11.07.2024	LPG GANTRY CTMS BRANCH LINE -5	HOV-2-up steam	Flange	1.1	1	100	0.000005	8760	0.043182
2015	11.07.2024	LPG GANTRY CTMS BRANCH LINE -5	HOV-2-down steam	Flange	0.9	1	100	0.000004	8760	0.037501
2016	11.07.2024	LPG GANTRY CTMS BRANCH LINE -5	HOV-3-up steam	Flange	0.8	1	100	0.000004	8760	0.034521
2017	11.07.2024	LPG GANTRY CTMS BRANCH LINE -5	HOV-3-down steam	Flange	0.6	1	100	0.000003	8760	0.028200
2018	11.07.2024	LPG GANTRY CTMS BRANCH LINE -5	HOV-4-up steam	Flange	1.2	1	100	0.000005	8760	0.045906
2019	11.07.2024	LPG GANTRY CTMS BRANCH LINE -5	HOV-4-down steam	Flange	1.3	1	100	0.000006	8760	0.048563
2020	11.07.2024	LPG GANTRY CTMS BRANCH LINE -6	MOV-1	Flange	1.4	1	100	0.000006	8760	0.051160
2021	11.07.2024	LPG GANTRY CTMS BRANCH LINE -6	MOV-1	Flange	1.6	1	100	0.000006	8760	0.056195

2022	11.07.2024	LPG GANTRY CTMS BRANCH LINE -6	STRAINER FLANGE	Flange	8.9	1	100	0.000021	8760	0.187770
2023	11.07.2024	LPG GANTRY CTMS BRANCH LINE -6	STRAINER FLANGE	Flange	7.2	1	100	0.000018	8760	0.161774
2024	11.07.2024	LPG GANTRY CTMS BRANCH LINE -6	STRAINER FLANGE	Flange	6.3	1	100	0.000017	8760	0.147279
2025	11.07.2024	LPG GANTRY CTMS BRANCH LINE -6	PSV HOV (TRV-B00)	Flange	1.4	1	100	0.000006	8760	0.051160
2026	11.07.2024	LPG GANTRY CTMS BRANCH LINE -6	PSV HOV (TRV-B00)	Flange	1.6	1	100	0.000006	8760	0.056195
2027	11.07.2024	LPG GANTRY CTMS BRANCH LINE -6	PSV HOV (TRV-B00)	Flange	1.5	1	100	0.000006	8760	0.053703
2028	11.07.2024	LPG GANTRY CTMS BRANCH LINE -6	PSV HOV (TRV-B00)	Flange	1.6	1	100	0.000006	8760	0.056195
2029	11.07.2024	LPG GANTRY CTMS BRANCH LINE -6	FLOW METER FLANGE	Flange	1.5	1	100	0.000006	8760	0.053703
2030	11.07.2024	LPG GANTRY CTMS BRANCH LINE -6	FLOW METER FLANGE	Flange	1.6	1	100	0.000006	8760	0.056195
2031	11.07.2024	LPG GANTRY CTMS BRANCH LINE -6	MOV FLANGE	Flange	1.8	1	100	0.000007	8760	0.061047
2032	11.07.2024	LPG GANTRY CTMS BRANCH LINE -6	MOV FLANGE	Flange	1.9	1	100	0.000007	8760	0.063412
2033	11.07.2024	LPG GANTRY CTMS BRANCH LINE -6	DLV VALVE FLANGE	Flange	2	1	100	0.000008	8760	0.065740
2034	11.07.2024	LPG GANTRY CTMS BRANCH LINE -6	DLV VALVE FLANGE	Flange	1.5	1	100	0.000006	8760	0.053703
2035	11.07.2024	LPG GANTRY CTMS BRANCH LINE -6	MOV FLANGE	Flange	1.2	1	100	0.000005	8760	0.045906
2036	11.07.2024	LPG GANTRY CTMS BRANCH LINE -6	MOV FLANGE	Flange	1.3	1	100	0.000006	8760	0.048563
2037	11.07.2024	LPG GANTRY CTMS BRANCH LINE -6	HOV-1-up steam	Flange	1.4	1	100	0.000006	8760	0.051160
2038	11.07.2024	LPG GANTRY CTMS BRANCH LINE -6	HOV-1-down steam	Flange	5	1	100	0.000014	8760	0.125193
2039	11.07.2024	LPG GANTRY CTMS BRANCH LINE -6	HOV-2-up steam ONE FLANGE	Flange	1.4	1	100	0.000006	8760	0.051160
2040	11.07.2024	LPG GANTRY CTMS BRANCH LINE -7	MOV-1	Flange	2.1	1	100	0.000008	8760	0.068034
2041	11.07.2024	LPG GANTRY CTMS BRANCH LINE -7	MOV-1	Flange	3.1	1	100	0.000010	8760	0.089461
2042	11.07.2024	LPG GANTRY CTMS BRANCH LINE -7	STRAINER FLANGE	Flange	7.2	1	100	0.000018	8760	0.161774
2043	11.07.2024	LPG GANTRY CTMS BRANCH LINE -7	STRAINER FLANGE	Flange	9.8	1	100	0.000023	8760	0.200926
2044	11.07.2024	LPG GANTRY CTMS BRANCH LINE -7	STRAINER FLANGE	Flange	8.8	1	100	0.000021	8760	0.186284
2045	11.07.2024	LPG GANTRY CTMS BRANCH LINE -7	PSV HOV (TRV-B007)	Flange	1.2	1	100	0.000005	8760	0.045906
2046	11.07.2024	LPG GANTRY CTMS BRANCH LINE -7	PSV HOV (TRV-B007)	Flange	0.3	1	100	0.000002	8760	0.017323
2047	11.07.2024	LPG GANTRY CTMS BRANCH LINE -7	PSV HOV (TRV-B007)	Flange	1.4	1	100	0.000006	8760	0.051160
2048	11.07.2024	LPG GANTRY CTMS BRANCH LINE -7	PSV HOV (TRV-B007)	Flange	1.5	1	100	0.000006	8760	0.053703
2049	11.07.2024	LPG GANTRY CTMS BRANCH LINE -7	FLOW METER FLANGE	Flange	1.6	1	100	0.000006	8760	0.056195
2050	11.07.2024	LPG GANTRY CTMS BRANCH LINE -7	FLOW METER FLANGE	Flange	0.9	1	100	0.000004	8760	0.037501
2051	11.07.2024	LPG GANTRY CTMS BRANCH LINE -7	MOV FLANGE	Flange	1.2	1	100	0.000005	8760	0.045906
2052	11.07.2024	LPG GANTRY CTMS BRANCH LINE -7	MOV FLANGE	Flange	1.3	1	100	0.000006	8760	0.048563
2053	11.07.2024	LPG GANTRY CTMS BRANCH LINE -7	DLV VALVE FLANGE	Flange	1.1	1	100	0.000005	8760	0.043182
2054	11.07.2024	LPG GANTRY CTMS BRANCH LINE -7	DLV VALVE FLANGE	Flange	1.2	1	100	0.000005	8760	0.045906
2055	11.07.2024	LPG GANTRY CTMS BRANCH LINE -7	MOV FLANGE	Flange	1.5	1	100	0.000006	8760	0.053703
2056	11.07.2024	LPG GANTRY CTMS BRANCH LINE -7	MOV FLANGE	Flange	1.6	1	100	0.000006	8760	0.056195
2057	11.07.2024	LPG GANTRY CTMS BRANCH LINE -7	HOV-1-up steam	Flange	1.2	1	100	0.000005	8760	0.045906
2058	11.07.2024	LPG GANTRY CTMS BRANCH LINE -7	HOV-1-down steam	Flange	1.3	1	100	0.000006	8760	0.048563
2059	11.07.2024	LPG GANTRY CTMS BRANCH LINE -7	HOV-2-up steam	Flange	1.4	1	100	0.000006	8760	0.051160
2060	11.07.2024	LPG GANTRY CTMS BRANCH LINE -7	HOV-2-down steam	Flange	1.5	1	100	0.000006	8760	0.053703
2061	11.07.2024	LPG GANTRY CTMS BRANCH LINE -7	HOV-3-up steam	Flange	1.6	1	100	0.000006	8760	0.056195
2062	11.07.2024	LPG GANTRY CTMS BRANCH LINE -7	HOV-3-down steam	Flange	1.1	1	100	0.000005	8760	0.043182
2063	11.07.2024	LPG GANTRY CTMS BRANCH LINE -8	MOV-1	Flange	1	1	100	0.000005	8760	0.040384
2064	11.07.2024	LPG GANTRY CTMS BRANCH LINE -8	MOV-1	Flange	1.5	1	100	0.000006	8760	0.053703
2065	11.07.2024	LPG GANTRY CTMS BRANCH LINE -8	STRAINER FLANGE	Flange	0.9	1	100	0.000004	8760	0.037501
2066	11.07.2024	LPG GANTRY CTMS BRANCH LINE -8	STRAINER FLANGE	Flange	7.2	1	100	0.000018	8760	0.161774
2067	11.07.2024	LPG GANTRY CTMS BRANCH LINE -8	STRAINER FLANGE	Flange	9.3	1	100	0.000022	8760	0.193664
2068	11.07.2024	LPG GANTRY CTMS BRANCH LINE -8	PSV HOV	Flange	6.4	1	100	0.000017	8760	0.148919
2069	11.07.2024	LPG GANTRY CTMS BRANCH LINE -8	PSV HOV	Flange	1.5	1	100	0.000006	8760	0.053703
2070	11.07.2024	LPG GANTRY CTMS BRANCH LINE -8	PSV HOV	Flange	1.6	1	100	0.000006	8760	0.056195
2071	11.07.2024	LPG GANTRY CTMS BRANCH LINE -8	PSV HOV	Flange	1.5	1	100	0.000006	8760	0.053703
2072	11.07.2024	LPG GANTRY CTMS BRANCH LINE -8	FLOW METER FLANGE	Flange	1.2	1	100	0.000005	8760	0.045906
2073	11.07.2024	LPG GANTRY CTMS BRANCH LINE -8	FLOW METER FLANGE	Flange	1.3	1	100	0.000006	8760	0.048563
2074	11.07.2024	LPG GANTRY CTMS BRANCH LINE -8	MOV FLANGE	Flange	0.9	1	100	0.000004	8760	0.037501
2075	11.07.2024	LPG GANTRY CTMS BRANCH LINE -8	MOV FLANGE	Flange	1.1	1	100	0.000005	8760	0.043182
2076	11.07.2024	LPG GANTRY CTMS BRANCH LINE -8	DLV VALVE FLANGE	Flange	1.2	1	100	0.000005	8760	0.045906
2077	11.07.2024	LPG GANTRY CTMS BRANCH LINE -8	DLV VALVE FLANGE	Flange	1.3	1	100	0.000006	8760	0.048563
2078	11.07.2024	LPG GANTRY CTMS BRANCH LINE -8	MOV FLANGE	Flange	0.9	1	100	0.000004	8760	0.037501
2079	11.07.2024	LPG GANTRY CTMS BRANCH LINE -8	MOV FLANGE	Flange	0.3	1	100	0.000002	8760	0.017323
2080	11.07.2024	LPG GANTRY CTMS BRANCH LINE -9	MOV-1	Flange	0.6	1	100	0.000003	8760	0.028200
2081	11.07.2024	LPG GANTRY CTMS BRANCH LINE -9	MOV-1	Flange	0.5	1	100	0.000003	8760	0.024807
2082	11.07.2024	LPG GANTRY CTMS BRANCH LINE -9	STRAINER FLANGE	Flange	8.1	1	100	0.000020	8760	0.175740
2083	11.07.2024	LPG GANTRY CTMS BRANCH LINE -9	STRAINER FLANGE	Flange	9.3	1	100	0.000022	8760	0.193664
2084	11.07.2024	LPG GANTRY CTMS BRANCH LINE -9	STRAINER FLANGE	Flange	9.4	1	100	0.000022	8760	0.195125
2085	11.07.2024	LPG GANTRY CTMS BRANCH LINE -9	PSV HOV	Flange	7.1	1	100	0.000018	8760	0.160192
2086	11.07.2024	LPG GANTRY CTMS BRANCH LINE -9	PSV HOV	Flange	6.2	1	100	0.000017	8760	0.145632
2087	11.07.2024	LPG GANTRY CTMS BRANCH LINE -9	PSV HOV	Flange	1.8	1	100	0.000007	8760	0.061047
2088	11.07.2024	LPG GANTRY CTMS BRANCH LINE -9	PSV HOV	Flange	1.9	1	100	0.000007	8760	0.063412
2089	11.07.2024	LPG GANTRY CTMS BRANCH LINE -9	FLOW METER FLANGE	Flange	2.2	1	100	0.000008	8760	0.070296
2090	11.07.2024	LPG GANTRY CTMS BRANCH LINE -9	FLOW METER FLANGE	Flange	3.1	1	100	0.000010	8760	0.089461
2091	11.07.2024	LPG GANTRY CTMS BRANCH LINE -9	MOV FLANGE	Flange	3.3	1	100	0.000011	8760	0.093480
2092	11.07.2024	LPG GANTRY CTMS BRANCH LINE -9	MOV FLANGE	Flange	2.8	1	100	0.000010	8760	0.083283
2093	11.07.2024	LPG GANTRY CTMS BRANCH LINE -9	DLV VALVE FLANGE	Flange	1.8	1	100	0.000007	8760	0.061047

2094	11.07.2024	LPG GANTRY CTMS BRANCH LINE -9	DLV VALVE FLANGE	Flange	1.4	1	100	0.000006	8760	0.051160
2095	11.07.2024	LPG GANTRY CTMS BRANCH LINE -9	MOV FLANGE	Flange	1.5	1	100	0.000006	8760	0.053703
2096	11.07.2024	LPG GANTRY CTMS BRANCH LINE -9	MOV FLANGE	Flange	1.6	1	100	0.000006	8760	0.056195
2097	11.07.2024	LPG GANTRY CTMS BRANCH LINE -9	HOV-1-UP steam	Flange	1.4	1	100	0.000006	8760	0.051160
2098	11.07.2024	LPG GANTRY CTMS BRANCH LINE -9	HOV-1-down steam	Flange	1.3	1	100	0.000006	8760	0.048563
2099	11.07.2024	LPG GANTRY CTMS BRANCH LINE -10	MOV-1	Flange	2.1	1	100	0.000008	8760	0.068034
2100	11.07.2024	LPG GANTRY CTMS BRANCH LINE -10	MOV-1	Flange	1.9	1	100	0.000007	8760	0.063412
2101	11.07.2024	LPG GANTRY CTMS BRANCH LINE -10	STRAINER FLANGE	Flange	9.6	1	100	0.000023	8760	0.198035
2102	11.07.2024	LPG GANTRY CTMS BRANCH LINE -10	STRAINER FLANGE	Flange	9.5	1	100	0.000022	8760	0.196582
2103	11.07.2024	LPG GANTRY CTMS BRANCH LINE -10	STRAINER FLANGE	Flange	9.7	1	100	0.000023	8760	0.199483
2104	11.07.2024	LPG GANTRY CTMS BRANCH LINE -10	PSV HOV	Flange	2.2	1	100	0.000008	8760	0.070296
2105	11.07.2024	LPG GANTRY CTMS BRANCH LINE -10	PSV HOV	Flange	2.4	1	100	0.000009	8760	0.074730
2106	11.07.2024	LPG GANTRY CTMS BRANCH LINE -10	PSV HOV	Flange	2.3	1	100	0.000008	8760	0.072527
2107	11.07.2024	LPG GANTRY CTMS BRANCH LINE -10	PSV HOV	Flange	4.2	1	100	0.000013	8760	0.110751
2108	11.07.2024	LPG GANTRY CTMS BRANCH LINE -10	FLOW METER FLANGE	Flange	3.1	1	100	0.000010	8760	0.089461
2109	11.07.2024	LPG GANTRY CTMS BRANCH LINE -10	FLOW METER FLANGE	Flange	0.4	1	100	0.000002	8760	0.021206
2110	11.07.2024	LPG GANTRY CTMS BRANCH LINE -10	MOV FLANGE	Flange	0.2	1	100	0.000001	8760	0.013027
2111	11.07.2024	LPG GANTRY CTMS BRANCH LINE -10	MOV FLANGE	Flange	0.7	1	100	0.000004	8760	0.031427
2112	11.07.2024	LPG GANTRY CTMS BRANCH LINE -10	DLV VALVE FLANGE	Flange	0.2	1	100	0.000001	8760	0.013027
2113	11.07.2024	LPG GANTRY CTMS BRANCH LINE -10	DLV VALVE FLANGE	Flange	1.1	1	100	0.000005	8760	0.043182
2114	11.07.2024	LPG GANTRY CTMS BRANCH LINE -10	MOV FLANGE	Flange	0.5	1	100	0.000003	8760	0.024807
2115	11.07.2024	LPG GANTRY CTMS BRANCH LINE -10	MOV FLANGE	Flange	0.2	1	100	0.000001	8760	0.013027
2116	11.07.2024	LPG GANTRY CTMS BRANCH LINE -10	HOV-1-UP steam	Flange	0	1	100	0.000000	8760	0.000000
2117	11.07.2024	LPG GANTRY CTMS BRANCH LINE -10	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
2118	11.07.2024	LPG GANTRY CTMS BRANCH LINE -10	HOV-2-UP steam	Flange	0.3	1	100	0.000002	8760	0.017323
2119	11.07.2024	LPG GANTRY CTMS BRANCH LINE -10	HOV-2-down steam	Flange	0.2	1	100	0.000001	8760	0.013027
2120	11.07.2024	LPG GANTRY CTMS BRANCH LINE -11	MOV-1	Flange	0	1	100	0.000000	8760	0.000000
2121	11.07.2024	LPG GANTRY CTMS BRANCH LINE -11	MOV-1	Flange	0	1	100	0.000000	8760	0.000000
2122	11.07.2024	LPG GANTRY CTMS BRANCH LINE -11	STRAINER FLANGE	Flange	1.2	1	100	0.000005	8760	0.045906
2123	11.07.2024	LPG GANTRY CTMS BRANCH LINE -11	STRAINER FLANGE	Flange	1	1	100	0.000005	8760	0.040384
2124	11.07.2024	LPG GANTRY CTMS BRANCH LINE -11	STRAINER FLANGE	Flange	0.9	1	100	0.000004	8760	0.037501
2125	11.07.2024	LPG GANTRY CTMS BRANCH LINE -11	PSV HOV	Flange	1.2	1	100	0.000005	8760	0.045906
2126	11.07.2024	LPG GANTRY CTMS BRANCH LINE -11	PSV HOV	Flange	0.8	1	100	0.000004	8760	0.034521
2127	11.07.2024	LPG GANTRY CTMS BRANCH LINE -11	PSV HOV	Flange	0	1	100	0.000000	8760	0.000000
2128	11.07.2024	LPG GANTRY CTMS BRANCH LINE -11	PSV HOV	Flange	0.2	1	100	0.000001	8760	0.013027
2129	11.07.2024	LPG GANTRY CTMS BRANCH LINE -11	FLOW METER FLANGE	Flange	0.2	1	100	0.000001	8760	0.013027
2130	11.07.2024	LPG GANTRY CTMS BRANCH LINE -11	FLOW METER FLANGE	Flange	0	1	100	0.000000	8760	0.000000
2131	11.07.2024	LPG GANTRY CTMS BRANCH LINE -11	MOV FLANGE	Flange	0	1	100	0.000000	8760	0.000000
2132	11.07.2024	LPG GANTRY CTMS BRANCH LINE -11	MOV FLANGE	Flange	0	1	100	0.000000	8760	0.000000
2133	11.07.2024	LPG GANTRY CTMS BRANCH LINE -11	DLV VALVE FLANGE	Flange	0.3	1	100	0.000002	8760	0.017323
2134	11.07.2024	LPG GANTRY CTMS BRANCH LINE -11	DLV VALVE FLANGE	Flange	0.3	1	100	0.000002	8760	0.017323
2135	11.07.2024	LPG GANTRY CTMS BRANCH LINE -11	MOV FLANGE	Flange	0	1	100	0.000000	8760	0.000000
2136	11.07.2024	LPG GANTRY CTMS BRANCH LINE -11	MOV FLANGE	Flange	0.7	1	100	0.000004	8760	0.031427
2137	11.07.2024	LPG GANTRY CTMS BRANCH LINE -11	HOV-1-UP steam	Flange	0	1	100	0.000000	8760	0.000000
2138	11.07.2024	LPG GANTRY CTMS BRANCH LINE -11	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
2139	11.07.2024	LPG GANTRY CTMS BRANCH LINE -12	MOV-1	Flange	0	1	100	0.000000	8760	0.000000
2140	11.07.2024	LPG GANTRY CTMS BRANCH LINE -12	MOV-1	Flange	0.2	1	100	0.000001	8760	0.013027
2141	11.07.2024	LPG GANTRY CTMS BRANCH LINE -12	STRAINER FLANGE	Flange	1.1	1	100	0.000005	8760	0.043182
2142	11.07.2024	LPG GANTRY CTMS BRANCH LINE -12	STRAINER FLANGE	Flange	1.4	1	100	0.000006	8760	0.051160
2143	11.07.2024	LPG GANTRY CTMS BRANCH LINE -12	STRAINER FLANGE	Flange	0.7	1	100	0.000004	8760	0.031427
2144	11.07.2024	LPG GANTRY CTMS BRANCH LINE -12	PSV HOV	Flange	0.4	1	100	0.000002	8760	0.021206
2145	11.07.2024	LPG GANTRY CTMS BRANCH LINE -12	PSV HOV	Flange	0	1	100	0.000000	8760	0.000000
2146	11.07.2024	LPG GANTRY CTMS BRANCH LINE -12	PSV HOV	Flange	0	1	100	0.000000	8760	0.000000
2147	11.07.2024	LPG GANTRY CTMS BRANCH LINE -12	PSV HOV	Flange	0.5	1	100	0.000003	8760	0.024807
2148	11.07.2024	LPG GANTRY CTMS BRANCH LINE -12	FLOW METER FLANGE	Flange	0.5	1	100	0.000003	8760	0.024807
2149	11.07.2024	LPG GANTRY CTMS BRANCH LINE -12	FLOW METER FLANGE	Flange	0.2	1	100	0.000001	8760	0.013027
2150	11.07.2024	LPG GANTRY CTMS BRANCH LINE -12	MOV FLANGE	Flange	0	1	100	0.000000	8760	0.000000
2151	11.07.2024	LPG GANTRY CTMS BRANCH LINE -12	MOV FLANGE	Flange	0.2	1	100	0.000001	8760	0.013027
2152	11.07.2024	LPG GANTRY CTMS BRANCH LINE -12	DLV VALVE FLANGE	Flange	0	1	100	0.000000	8760	0.000000
2153	11.07.2024	LPG GANTRY CTMS BRANCH LINE -12	DLV VALVE FLANGE	Flange	0.4	1	100	0.000002	8760	0.021206
2154	11.07.2024	LPG GANTRY CTMS BRANCH LINE -12	MOV FLANGE	Flange	1.2	1	100	0.000005	8760	0.045906
2155	11.07.2024	LPG GANTRY CTMS BRANCH LINE -12	MOV FLANGE	Flange	1.9	1	100	0.000007	8760	0.063412
2156	11.07.2024	LPG GANTRY CTMS BRANCH LINE -12	HOV-1-UP steam	Flange	4.8	1	100	0.000014	8760	0.121652
2157	11.07.2024	LPG GANTRY CTMS BRANCH LINE -12	HOV-1-down steam	Flange	0	1	100	0.000000	8760	0.000000
2158	11.07.2024	MOV-1-up steam B030	MOV-1-up steam B030	Flange	0	1	100	0.000000	8760	0.000000
2159	11.07.2024	MOV-1-down steam B030	MOV-1-down steam B030	Flange	0	1	100	0.000000	8760	0.000000
2160	11.07.2024	MOV-2-up steam B029	MOV-2-up steam B029	Flange	0	1	100	0.000000	8760	0.000000
2161	11.07.2024	MOV-2-down steam B029	MOV-2-down steam B029	Flange	0	1	100	0.000000	8760	0.000000
2162	11.07.2024	MOV-3-up steam B002	MOV-3-up steam B002	Flange	0	1	100	0.000000	8760	0.000000
2163	11.07.2024	MOV-3-down steam B002	MOV-3-down steam B002	Flange	0	1	100	0.000000	8760	0.000000
2164	11.07.2024	MOV-4-up steam B028	MOV-4-up steam B028	Flange	0	1	100	0.000000	8760	0.000000
2165	11.07.2024	MOV-4-down steam B028	MOV-4-down steam B028	Flange	0	1	100	0.000000	8760	0.000000

2166	11.07.2024	MASTER LINE FROM 12TH BRANCH LINE 6	MOV-5-up steam B027	Flange	0.2	1	100	0.000001	8760	0.013027
2167	11.07.2024	MASTER LINE FROM 12TH BRANCH LINE 6	MOV-5-down steam B027	Flange	0.4	1	100	0.000002	8760	0.021206
2168	11.07.2024	MASTER LINE FROM 12TH BRANCH LINE 6	FV UP STEAM B002	Flange	0.7	1	100	0.000004	8760	0.031427
2169	11.07.2024	MASTER LINE FROM 12TH BRANCH LINE 6	FV DOWN STEAM B002	Flange	1	1	100	0.000005	8760	0.040384
2170	11.07.2024	MASTER LINE FLANGES	MASTER LINE 1	Flange	0.2	1	100	0.000001	8760	0.013027
2171	11.07.2024	MASTER LINE FLANGES	MASTER LINE 2	Flange	0.2	1	100	0.000001	8760	0.013027
2172	11.07.2024	MASTER LINE FLANGES	MASTER LINE 3	Flange	0.1	1	100	0.000001	8760	0.008002
2173	11.07.2024	MASTER LINE FLANGES	S.NO G03347 UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
2174	11.07.2024	MASTER LINE FLANGES	S.NO G03347 DOWN STEAM	Flange	0.4	1	100	0.000002	8760	0.021206
2175	11.07.2024	MASTER LINE FLANGES	S.NO G03292 UP STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
2176	11.07.2024	MASTER LINE FLANGES	S.NO G03292 DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
2177	11.07.2024	MASTER LINE FLANGES	S.NO G03367 UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
2178	11.07.2024	MASTER LINE FLANGES	S.NO G03367 DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
2179	11.07.2024	MASTER LINE FLANGES	S.NO TGB017 UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
2180	11.07.2024	MASTER LINE FLANGES	S.NO TGB017 DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
2181	11.07.2024	MASTER LINE FLANGES	TE B014	Flange	0.1	1	100	0.000001	8760	0.008002
2182	11.07.2024	MASTER LINE FLANGES	PI B017 up steam	Flange	0	1	100	0.000000	8760	0.000000
2183	11.07.2024	MASTER LINE FLANGES	PI B017down steam	Flange	0.2	1	100	0.000001	8760	0.013027
2184	11.07.2024	MASTER LINE FLANGES	PT B014 up steam	Flange	0.2	1	100	0.000001	8760	0.013027
2185	11.07.2024	MASTER LINE FLANGES	PT B014 down steam	Flange	0	1	100	0.000000	8760	0.000000
2186	11.07.2024	MASTER LINE FLANGES	S. NO. G03362 up steam	Flange	0	1	100	0.000000	8760	0.000000
2187	11.07.2024	MASTER LINE FLANGES	S. NO. G03362 down steam	Flange	0.4	1	100	0.000002	8760	0.021206
2188	11.07.2024	MASTER LINE FLANGES	S. NO. G04642 up steam	Flange	1.8	1	100	0.000007	8760	0.061047
2189	11.07.2024	MASTER LINE FLANGES	S. NO. G04642 down steam	Flange	0	1	100	0.000000	8760	0.000000
2190	11.07.2024	MASTER LINE FLANGES	S. NO. G04642 up steam	Flange	0	1	100	0.000000	8760	0.000000
2191	11.07.2024	MASTER LINE FLANGES	S. NO. G04642 down steam	Flange	2.4	1	100	0.000009	8760	0.074730
2192	11.07.2024	MASTER LINE FLANGES	S. NO. G03372 up steam	Flange	0	1	100	0.000000	8760	0.000000
2193	11.07.2024	MASTER LINE FLANGES	S. NO. G03372 down steam	Flange	0	1	100	0.000000	8760	0.000000
2194	11.07.2024	MASTER LINE FLANGES	G05183 up stream	Flange	0	1	100	0.000000	8760	0.000000
2195	11.07.2024	MASTER LINE FLANGES	G05183 down stream	Flange	0.4	1	100	0.000002	8760	0.021206
2196	11.07.2024	MASTER LINE FLANGES	G05183 up stream	Flange	0.9	1	100	0.000004	8760	0.037501
2197	11.07.2024	MASTER LINE FLANGES	G05183 down stream	Flange	0.5	1	100	0.000003	8760	0.024807
2198	11.07.2024	MASTER LINE FLANGES	G05183 up stream	Flange	0	1	100	0.000000	8760	0.000000
2199	11.07.2024	MASTER LINE FLANGES	G05183 down stream	Flange	0	1	100	0.000000	8760	0.000000
2200	11.07.2024	MASTER LINE FLANGES	G05183 up stream	Flange	0.1	1	100	0.000001	8760	0.008002
2201	11.07.2024	MASTER LINE FLANGES	G05183 down stream	Flange	0	1	100	0.000000	8760	0.000000
2202	11.07.2024	MASTER LINE FLANGES	G05183 up stream	Flange	0	1	100	0.000000	8760	0.000000
2203	11.07.2024	MASTER LINE-2	master line flange	Flange	0	1	100	0.000000	8760	0.000000
2204	11.07.2024	MASTER LINE-2	master line flange	Flange	0	1	100	0.000000	8760	0.000000
2205	11.07.2024	MASTER LINE-2	master line flange	Flange	0	1	100	0.000000	8760	0.000000
2206	11.07.2024	MASTER LINE-2	G03299 up steam	Flange	0.5	1	100	0.000003	8760	0.024807
2207	11.07.2024	MASTER LINE-2	G03299 down steam	Flange	0	1	100	0.000000	8760	0.000000
2208	11.07.2024	MASTER LINE-2	G03299 up steam	Flange	0.3	1	100	0.000002	8760	0.017323
2209	11.07.2024	MASTER LINE-2	G03299 down steam	Flange	0.1	1	100	0.000001	8760	0.008002
2210	11.07.2024	MASTER LINE-2	G06169 up steam	Flange	0	1	100	0.000000	8760	0.000000
2211	11.07.2024	MASTER LINE-2	G06169 DOWN steam	Flange	0	1	100	0.000000	8760	0.000000
2212	11.07.2024	MASTER LINE-2	G03329 upsteam	Flange	0	1	100	0.000000	8760	0.000000
2213	11.07.2024	MASTER LINE-2	G03329 downsteam	Flange	1.7	1	100	0.000007	8760	0.058642
2214	11.07.2024	MASTER LINE-2	G05177 upsteam	Flange	0	1	100	0.000000	8760	0.000000
2215	11.07.2024	MASTER LINE-2	G05177 downsteam	Flange	0	1	100	0.000000	8760	0.000000
2216	11.07.2024	MASTER LINE-2	G03289 upsteam	Flange	0	1	100	0.000000	8760	0.000000
2217	11.07.2024	MASTER LINE-2	G03289 downsteam	Flange	1.1	1	100	0.000005	8760	0.043182
2218	11.07.2024	MASTER LINE-2	C85R2 (885263)	Flange	0	1	100	0.000000	8760	0.000000
2219	11.07.2024	MASTER LINE-2	C85R2 (885263)	Flange	0.2	1	100	0.000001	8760	0.013027
2220	11.07.2024	MASTER LINE-2	C85R2 (885263)	Flange	0.4	1	100	0.000002	8760	0.021206
2221	11.07.2024	MASTER LINE-2	C85R2 (885263)	Flange	0.9	1	100	0.000004	8760	0.037501
2222	11.07.2024	MASTER LINE-2	C85R2 (885263)	Flange	0	1	100	0.000000	8760	0.000000
2223	11.07.2024	MASTER LINE-2	TG - B048	Flange	0	1	100	0.000000	8760	0.000000
2224	11.07.2024	MASTER LINE-2	TG - B048	Flange	0	1	100	0.000000	8760	0.000000
2225	11.07.2024	MASTER LINE-2	TE- B047	Flange	0.4	1	100	0.000002	8760	0.021206
2226	11.07.2024	MASTER LINE-2	PI-B028 upsteam	Flange	0	1	100	0.000000	8760	0.000000
2227	11.07.2024	MASTER LINE-2	PI-B028 downsteam	Flange	0.3	1	100	0.000002	8760	0.017323
2228	11.07.2024	MASTER LINE-2	PT-B027 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2229	11.07.2024	MASTER LINE-2	PT-B027DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2230	11.07.2024	MASTER LINE-2	G03334 UPSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
2231	11.07.2024	MASTER LINE-2	G03334 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2232	11.07.2024	MASTER LINE-2	G04653 UPSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
2233	11.07.2024	MASTER LINE-2	G04653 DOWNSTEAM	Flange	0.3	1	100	0.000002	8760	0.017323
2234	11.07.2024	MASTER LINE-2	G04653 UPSTEAM	Flange	0.4	1	100	0.000002	8760	0.021206
2235	11.07.2024	MASTER LINE-2	G04653 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2236	11.07.2024	MASTER LINE-2	G04653 UPSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
2237	12.07.2024	NAPHTHA TANK NO 7 INSIDE DYKE	RECIRCULATION MOV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000

2238	12.07.2024	NAPHTHA TANK NO 7 INSIDE DYKE	RECIRCULATION MOV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2239	12.07.2024	NAPHTHA TANK NO 7 INSIDE DYKE	INLET XZV 5088 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2240	12.07.2024	NAPHTHA TANK NO 7 INSIDE DYKE	INLET XZV 5088 DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
2241	12.07.2024	NAPHTHA TANK NO 7 INSIDE DYKE	MINIMUM FLOW HEADER MOV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2242	12.07.2024	NAPHTHA TANK NO 7 INSIDE DYKE	MINIMUM FLOW HEADER MOV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2243	12.07.2024	NAPHTHA TANK NO 7 INSIDE DYKE	SUMP DRAIN - 1 HOV 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2244	12.07.2024	NAPHTHA TANK NO 7 INSIDE DYKE	SUMP DRAIN - 1 HOV 1 DOWNSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
2245	12.07.2024	NAPHTHA TANK NO 7 INSIDE DYKE	SUMP DRAIN - 1 HOV 2 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2246	12.07.2024	NAPHTHA TANK NO 7 INSIDE DYKE	SUMP DRAIN - 1 HOV 2 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2247	12.07.2024	NAPHTHA TANK NO 7 INSIDE DYKE	SUMP DRAIN - 1 HOV 3 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2248	12.07.2024	NAPHTHA TANK NO 7 INSIDE DYKE	SUMP DRAIN - 1 HOV 3 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2249	12.07.2024	NAPHTHA TANK NO 7 INSIDE DYKE	SUMP DRAIN - 2 HOV 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2250	12.07.2024	NAPHTHA TANK NO 7 INSIDE DYKE	SUMP DRAIN - 2 HOV 1 DOWNSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
2251	12.07.2024	NAPHTHA TANK NO 7 INSIDE DYKE	SUMP DRAIN - 2 HOV 2 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2252	12.07.2024	NAPHTHA TANK NO 7 INSIDE DYKE	SUMP DRAIN - 2 HOV 2 DOWNSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
2253	12.07.2024	NAPHTHA TANK NO 7 INSIDE DYKE	SUMP DRAIN - 2 HOV 3 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2254	12.07.2024	NAPHTHA TANK NO 7 INSIDE DYKE	SUMP DRAIN - 2 HOV 3 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2255	12.07.2024	NAPHTHA TANK NO 7 INSIDE DYKE	PRESSURE TRANSMITTER HOV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2256	12.07.2024	NAPHTHA TANK NO 7 INSIDE DYKE	PRESSURE TRANSMITTER HOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
2257	12.07.2024	NAPHTHA TANK NO 7 INSIDE DYKE	MAN HOLE - 1	Flange	0	1	100	0.000000	8760	0.000000
2258	12.07.2024	NAPHTHA TANK NO 7 INSIDE DYKE	MAN HOLE - 2	Flange	0	1	100	0.000000	8760	0.000000
2259	12.07.2024	NAPHTHA TANK NO 7 INSIDE DYKE	MAN HOLE - 3	Flange	0	1	100	0.000000	8760	0.000000
2260	12.07.2024	NAPHTHA TANK NO 7 INSIDE DYKE	MAN HOLE - 4	Flange	0	1	100	0.000000	8760	0.000000
2261	12.07.2024	NAPHTHA TANK NO 7 INSIDE DYKE	HEEL STRIPING MOV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2262	12.07.2024	NAPHTHA TANK NO 7 INSIDE DYKE	HEEL STRIPING MOV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2263	12.07.2024	NAPHTHA TANK NO 7 INSIDE DYKE	OUTLET XZV 5054 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2264	12.07.2024	NAPHTHA TANK NO 7 INSIDE DYKE	OUTLET XZV 5054 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2265	12.07.2024	NAPHTHA TANK NO 7 INSIDE DYKE	CLEAN OUT DOOR	Flange	0	1	100	0.000000	8760	0.000000
2266	12.07.2024	NAPHTHA TANK NO 7 INSIDE DYKE	OUTLET BODY FLANGE	Flange	0	1	100	0.000000	8760	0.000000
2267	12.07.2024	NAPHTHA TANK NO 7 INSIDE DYKE	SPECTACLE BLIND UPSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
2268	12.07.2024	NAPHTHA TANK NO 7 INSIDE DYKE	SPECTACLE BLIND DOWNSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
2269	12.07.2024	OUTSIDE DYKE	INLET HEADER MOV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2270	12.07.2024	OUTSIDE DYKE	INLET HEADER MOV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2271	12.07.2024	OUTSIDE DYKE	INLET HEADER PSV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2272	12.07.2024	OUTSIDE DYKE	INLET HEADER PSV DOWNSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
2273	12.07.2024	OUT SIDE DYKE	STREAM HOV - 1 UPSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
2274	12.07.2024	OUT SIDE DYKE	STREAM HOV - 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2275	12.07.2024	OUT SIDE DYKE	STREAM HOV - 2 UPSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
2276	12.07.2024	OUT SIDE DYKE	STREAM HOV - 2 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2277	12.07.2024	MOVS CONNECTED TO INLET	MOV - 1 UPSTEAM (205-MOV-0030)	Flange	0.1	1	100	0.000001	8760	0.008002
2278	12.07.2024	MOVS CONNECTED TO INLET	MOV - 1 DOWNSTEAM (205-MOV-0030)	Flange	0	1	100	0.000000	8760	0.000000
2279	12.07.2024	MOVS CONNECTED TO INLET	MOV - 2 UPSTEAM (205-MOV-0025)	Flange	0.1	1	100	0.000001	8760	0.008002
2280	12.07.2024	MOVS CONNECTED TO INLET	MOV - 2 DOWNSTEAM (205-MOV-0025)	Flange	0	1	100	0.000000	8760	0.000000
2281	12.07.2024	MOVS CONNECTED TO INLET	MOV - 3 UPSTEAM (205-MOV-0028)	Flange	0	1	100	0.000000	8760	0.000000
2282	12.07.2024	MOVS CONNECTED TO INLET	MOV - 3 DOWNSTEAM (205-MOV-0028)	Flange	0	1	100	0.000000	8760	0.000000
2283	12.07.2024	MOVS CONNECTED TO INLET	MOV - 4 UPSTEAM (205-MOV-0026)	Flange	0.1	1	100	0.000001	8760	0.008002
2284	12.07.2024	MOVS CONNECTED TO INLET	MOV - 4 DOWNSTEAM (205-MOV-0026)	Flange	0.1	1	100	0.000001	8760	0.008002
2285	12.07.2024	MOVS CONNECTED TO INLET	MOV - 5 UPSTEAM (205-MOV-0027)	Flange	0.1	1	100	0.000001	8760	0.008002
2286	12.07.2024	MOVS CONNECTED TO INLET	MOV - 5 DOWNSTEAM (205-MOV-0027)	Flange	1.3	1	100	0.000006	8760	0.048563
2287	12.07.2024	MOVS CONNECTED TO INLET	NRV - 1 UPSTEAM	Flange	2.8	1	100	0.000010	8760	0.083283
2288	12.07.2024	MOVS CONNECTED TO INLET	NRV - 1 DOWNSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
2289	12.07.2024	MOVS CONNECTED TO INLET	NRV - 2 UPSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
2290	12.07.2024	MOVS CONNECTED TO INLET	NRV - 2 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2291	12.07.2024	MOVS CONNECTED TO INLET	NRV - 3 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2292	12.07.2024	MOVS CONNECTED TO INLET	NRV - 3 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2293	12.07.2024	MOVS CONNECTED TO INLET	NRV - 4 UPSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
2294	12.07.2024	MOVS CONNECTED TO INLET	NRV - 4 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2295	12.07.2024	MOVS CONNECTED TO INLET	NRV - 5 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2296	12.07.2024	MOVS CONNECTED TO INLET	NRV - 5 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2297	12.07.2024	MOVS CONNECTED TO INLET	MOV - 1 UPSTEAM (205-MOV-0633)	Flange	0	1	100	0.000000	8760	0.000000
2298	12.07.2024	MOVS CONNECTED TO INLET	MOV - 1 DOWNSTEAM (205-MOV-0633)	Flange	0	1	100	0.000000	8760	0.000000
2299	12.07.2024	MOVS CONNECTED TO INLET	MOV - 2 UPSTEAM (205-MOV-0636)	Flange	0.1	1	100	0.000001	8760	0.008002
2300	12.07.2024	MOVS CONNECTED TO INLET	MOV - 2 DOWNSTEAM (205-MOV-0636)	Flange	0.5	1	100	0.000003	8760	0.024807
2301	12.07.2024	MOVS CONNECTED TO INLET	ITT HEADER HOV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2302	12.07.2024	MOVS CONNECTED TO INLET	ITT HEADER HOV DOWNSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
2303	12.07.2024	MOVS CONNECTED TO INLET	RECIRCULATION MOV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2304	12.07.2024	MOVS CONNECTED TO INLET	RECIRCULATION MOV DOWN STEAM	Flange	0.3	1	100	0.000002	8760	0.017323
2305	12.07.2024	MOVS CONNECTED TO INLET	MFA FROM DOSING SKIT MOV UPSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
2306	12.07.2024	MOVS CONNECTED TO INLET	MFA FROM DOSING SKIT MOV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2307	12.07.2024	MOVS CONNECTED TO INLET	OUTLET HEADER MOV UPSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
2308	12.07.2024	MOVS CONNECTED TO INLET	OUTLET HEADER MOV DOWNSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
2309	12.07.2024	MOVS CONNECTED TO INLET	HEEL STRIPING MOV UPSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002

2310	12.07.2024	MOVS CONNECTED TO INLET	HEEL STRPING MOV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2311	12.07.2024	MOVS CONNECTED TO INLET	OUTLET HEADER PSV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2312	12.07.2024	MOVS CONNECTED TO INLET	OUTLET HEADER PSV DOWNSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
2313	12.07.2024	MOVS CONNECTED TO INLET	STREAM HOV - 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2314	12.07.2024	MOVS CONNECTED TO INLET	STREAM HOV - 1 DOWNSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
2315	12.07.2024	MOVS CONNECTED TO INLET	STREAM HOV - 2 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2316	12.07.2024	MOVS CONNECTED TO INLET	STREAM HOV - 2 DOWNSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
2317	12.07.2024	NAPHTHA TANK NO 7 TANK TOP	RIM SEAL EAST	Flange	0.2	1	100	0.000001	8760	0.013027
2318	12.07.2024	NAPHTHA TANK NO 7 TANK TOP	RIM SEAL WEST	Flange	0.4	1	100	0.000002	8760	0.021206
2319	12.07.2024	NAPHTHA TANK NO 7 TANK TOP	RIM SEAL NORTH	Flange	0.6	1	100	0.000003	8760	0.028200
2320	12.07.2024	NAPHTHA TANK NO 7 TANK TOP	RIM SEAL SOUTH	Flange	0.5	1	100	0.000003	8760	0.024807
2321	12.07.2024	NAPHTHA TANK NO 7 TANK TOP	DIPHATCH	Flange	0.2	1	100	0.000001	8760	0.013027
2322	12.07.2024	NAPHTHA TANK NO 6 INSIDE DYKE	RECIRCULATION MOV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2323	12.07.2024	NAPHTHA TANK NO 6 INSIDE DYKE	RECIRCULATION MOV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2324	12.07.2024	NAPHTHA TANK NO 6 INSIDE DYKE	INLET XZV 5088 UPSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
2325	12.07.2024	NAPHTHA TANK NO 6 INSIDE DYKE	INLET XZV 5088 DOWN STEAM	Flange	0.3	1	100	0.000002	8760	0.017323
2326	12.07.2024	NAPHTHA TANK NO 6 INSIDE DYKE	MINIMUM FLOW HEADER MOV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2327	12.07.2024	NAPHTHA TANK NO 6 INSIDE DYKE	MINIMUM FLOW HEADER MOV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2328	12.07.2024	NAPHTHA TANK NO 6 INSIDE DYKE	SUMP DRAIN - 1 HOV 1 UPSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
2329	12.07.2024	NAPHTHA TANK NO 6 INSIDE DYKE	SUMP DRAIN - 1 HOV 1 DOWNSTEAM	Flange	0.4	1	100	0.000002	8760	0.021206
2330	12.07.2024	NAPHTHA TANK NO 6 INSIDE DYKE	SUMP DRAIN - 1 HOV 2 UPSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
2331	12.07.2024	NAPHTHA TANK NO 6 INSIDE DYKE	SUMP DRAIN - 1 HOV 2 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2332	12.07.2024	NAPHTHA TANK NO 6 INSIDE DYKE	SUMP DRAIN - 1 HOV 3 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2333	12.07.2024	NAPHTHA TANK NO 6 INSIDE DYKE	SUMP DRAIN - 1 HOV 3 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2334	12.07.2024	NAPHTHA TANK NO 6 INSIDE DYKE	SUMP DRAIN - 2 HOV 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2335	12.07.2024	NAPHTHA TANK NO 6 INSIDE DYKE	SUMP DRAIN - 2 HOV 1 DOWNSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
2336	12.07.2024	NAPHTHA TANK NO 6 INSIDE DYKE	SUMP DRAIN - 2 HOV 2 UPSTEAM	Flange	0.7	1	100	0.000004	8760	0.031427
2337	12.07.2024	NAPHTHA TANK NO 6 INSIDE DYKE	SUMP DRAIN - 2 HOV 2 DOWNSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
2338	12.07.2024	NAPHTHA TANK NO 6 INSIDE DYKE	SUMP DRAIN - 2 HOV 3 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2339	12.07.2024	NAPHTHA TANK NO 6 INSIDE DYKE	SUMP DRAIN - 2 HOV 3 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2340	12.07.2024	NAPHTHA TANK NO 6 INSIDE DYKE	PESSURE TRANSMITTER HOV PRESSURE TRANSMITTER HOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
2341	12.07.2024	NAPHTHA TANK NO 6 INSIDE DYKE	MAN HOLE - 1	Flange	0	1	100	0.000000	8760	0.000000
2342	12.07.2024	NAPHTHA TANK NO 6 INSIDE DYKE	MAN HOLE - 2	Flange	0	1	100	0.000000	8760	0.000000
2343	12.07.2024	NAPHTHA TANK NO 6 INSIDE DYKE	MAN HOLE - 3	Flange	0	1	100	0.000000	8760	0.000000
2344	12.07.2024	NAPHTHA TANK NO 6 INSIDE DYKE	MAN HOLE - 4	Flange	0	1	100	0.000000	8760	0.000000
2345	12.07.2024	NAPHTHA TANK NO 6 INSIDE DYKE	HEEL STRPING MOV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2346	12.07.2024	NAPHTHA TANK NO 6 INSIDE DYKE	HEEL STRPING MOV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2347	12.07.2024	NAPHTHA TANK NO 6 INSIDE DYKE	OUTLET XZV 5052 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2348	12.07.2024	NAPHTHA TANK NO 6 INSIDE DYKE	OUTLET XZV 5052 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2349	12.07.2024	NAPHTHA TANK NO 6 INSIDE DYKE	CLEAN OUT DOOR	Flange	0	1	100	0.000000	8760	0.000000
2350	12.07.2024	NAPHTHA TANK NO 6 INSIDE DYKE	OUTLET BODY FLANGE	Flange	0	1	100	0.000000	8760	0.000000
2351	12.07.2024	NAPHTHA TANK NO 6 INSIDE DYKE	SPECTACLE BLIND UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2352	12.07.2024	NAPHTHA TANK NO 6 INSIDE DYKE	SPECTACLE BLIND DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2353	12.07.2024	NAPHTHA TANK NO 6 INSIDE DYKE	INLET HEADER MOV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2354	12.07.2024	OUTSIDE DYKE	INLET HEADER MOV DOWNSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
2355	12.07.2024	OUTSIDE DYKE	INLET HEADER PSV UPSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
2356	12.07.2024	OUTSIDE DYKE	INLET HEADER PSV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2357	12.07.2024	OUT SIDE DYKE	STREAM HOV - 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2358	12.07.2024	OUT SIDE DYKE	STREAM HOV - 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2359	12.07.2024	OUT SIDE DYKE	STREAM HOV - 2 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2360	12.07.2024	OUT SIDE DYKE	STREAM HOV - 2 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2361	12.07.2024	MOVS CONNECTED TO INLET	MOV - 1 UPSTEAM(205-MOV-0024)	Flange	0.3	1	100	0.000002	8760	0.017323
2362	12.07.2024	MOVS CONNECTED TO INLET	MOV - 1 DOWNSTEAM(205-MOV-0024)	Flange	0	1	100	0.000000	8760	0.000000
2363	12.07.2024	MOVS CONNECTED TO INLET	MOV - 2 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2364	12.07.2024	MOVS CONNECTED TO INLET	MOV - 2 DOWNSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
2365	12.07.2024	MOVS CONNECTED TO INLET	MOV - 3 UPSTEAM(205-MOV-0022)	Flange	0	1	100	0.000000	8760	0.000000
2366	12.07.2024	MOVS CONNECTED TO INLET	MOV - 3 DOWNSTEAM(205-MOV-0022)	Flange	0.2	1	100	0.000001	8760	0.013027
2367	12.07.2024	MOVS CONNECTED TO INLET	MOV - 4 UPSTEAM(205-MOV-0020)	Flange	0	1	100	0.000000	8760	0.000000
2368	12.07.2024	MOVS CONNECTED TO INLET	MOV - 4 DOWNSTEAM(205-MOV-0020)	Flange	0	1	100	0.000000	8760	0.000000
2369	12.07.2024	MOVS CONNECTED TO INLET	MOV - 5 UPSTEAM(205-MOV-0021)	Flange	0	1	100	0.000000	8760	0.000000
2370	12.07.2024	MOVS CONNECTED TO INLET	MOV - 5 DOWNSTEAM(205-MOV-0021)	Flange	0.4	1	100	0.000002	8760	0.021206
2371	12.07.2024	MOVS CONNECTED TO INLET	NRV - 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2372	12.07.2024	MOVS CONNECTED TO INLET	NRV - 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2373	12.07.2024	MOVS CONNECTED TO INLET	NRV - 2 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2374	12.07.2024	MOVS CONNECTED TO INLET	NRV - 2 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2375	12.07.2024	MOVS CONNECTED TO INLET	NRV - 3 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2376	12.07.2024	MOVS CONNECTED TO INLET	NRV - 3 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2377	12.07.2024	MOVS CONNECTED TO INLET	NRV - 4 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2378	12.07.2024	MOVS CONNECTED TO INLET	NRV - 4 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2379	12.07.2024	MOVS CONNECTED TO INLET	NRV - 5 UPSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
2380	12.07.2024	MOVS CONNECTED TO INLET	NRV - 5 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2381	12.07.2024	MOVS CONNECTED TO INLET								

2382	12.07.2024	MOVS CONNECTED TO INLET	PUMP DISCHARGE HEADER MOV UPSTREAM	Flange	0.1	1	100	0.000001	8760	0.008002
2383	12.07.2024	MOVS CONNECTED TO INLET	PUMP DISCHARGE HEADER MOV DOWNSTREAM	Flange	0	1	100	0.000000	8760	0.000000
2384	12.07.2024	MOVS CONNECTED TO INLET	MOV - 1 UPSTEAM(205-MOV-0629)	Flange	0	1	100	0.000000	8760	0.000000
2385	12.07.2024	MOVS CONNECTED TO INLET	MOV - 1 DOWNSTEAM(205-MOV-0629)	Flange	0.2	1	100	0.000001	8760	0.013027
2386	12.07.2024	MOVS CONNECTED TO INLET	MOV - 2 UPSTEAM(205-MOV-0632)	Flange	0	1	100	0.000000	8760	0.000000
2387	12.07.2024	MOVS CONNECTED TO INLET	MOV - 2 DOWNSTEAM(205-MOV-0632)	Flange	0	1	100	0.000000	8760	0.000000
2388	12.07.2024	MOVS CONNECTED TO INLET	ITT HEADER HOV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2389	12.07.2024	MOVS CONNECTED TO INLET	ITT HEADER HOV DOWNSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
2390	12.07.2024	MOVS CONNECTED TO INLET	RECIRCULATION MOV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2391	12.07.2024	MOVS CONNECTED TO INLET	RECIRCULATION MOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
2392	12.07.2024	MOVS CONNECTED TO INLET	MFA FROM DOSING SKIT MOV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2393	12.07.2024	MOVS CONNECTED TO INLET	MFA FROM DOSING SKIT MOV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2394	12.07.2024	MOVS CONNECTED TO INLET	OUTLET HEADER MOV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2395	12.07.2024	MOVS CONNECTED TO INLET	OUTLET HEADER MOV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2396	12.07.2024	MOVS CONNECTED TO INLET	HEEL STRPING MOV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2397	12.07.2024	MOVS CONNECTED TO INLET	HEEL STRPING MOV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2398	12.07.2024	MOVS CONNECTED TO INLET	OUTLET HEADER PSV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2399	12.07.2024	MOVS CONNECTED TO INLET	OUTLET HEADER PSV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2400	12.07.2024	MOVS CONNECTED TO INLET	STREAM HOV - 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2401	12.07.2024	MOVS CONNECTED TO INLET	STREAM HOV - 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2402	12.07.2024	MOVS CONNECTED TO INLET	STREAM HOV - 2 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2403	12.07.2024	MOVS CONNECTED TO INLET	STREAM HOV - 2 DOWNSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
2404	12.07.2024	NAPHTHA TANK NO 6 TANK TOP	RIM SEAL EAST	Flange	0.5	1	100	0.000003	8760	0.024807
2405	12.07.2024	NAPHTHA TANK NO 6 TANK TOP	RIM SEAL WEST	Flange	0.7	1	100	0.000004	8760	0.031427
2406	12.07.2024	NAPHTHA TANK NO 6 TANK TOP	RIM SEAL NORTH	Flange	0.3	1	100	0.000002	8760	0.017323
2407	12.07.2024	NAPHTHA TANK NO 6 TANK TOP	RIM SEAL SOUTH	Flange	0.6	1	100	0.000003	8760	0.028200
2408	12.07.2024	NAPHTHA TANK NO 6 TANK TOP	DIPHATCH	Flange	0.7	1	100	0.000004	8760	0.031427
2409	12.07.2024	NAPHTHA TANK NO 5 INSIDE DYKE	RECIRCULATION MOV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2410	12.07.2024	NAPHTHA TANK NO 5 INSIDE DYKE	RECIRCULATION MOV DOWNSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
2411	12.07.2024	NAPHTHA TANK NO 5 INSIDE DYKE	INLET XZV 5003 UPSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
2412	12.07.2024	NAPHTHA TANK NO 5 INSIDE DYKE	INLET XZV 5003 DOWN STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
2413	12.07.2024	NAPHTHA TANK NO 5 INSIDE DYKE	MINIMUM FLOW HEADER MOV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2414	12.07.2024	NAPHTHA TANK NO 5 INSIDE DYKE	MINIMUM FLOW HEADER MOV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2415	12.07.2024	NAPHTHA TANK NO 5 INSIDE DYKE	SUMP DRAIN - 1 HOV 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2416	12.07.2024	NAPHTHA TANK NO 5 INSIDE DYKE	SUMP DRAIN - 1 HOV 1 DOWNSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
2417	12.07.2024	NAPHTHA TANK NO 5 INSIDE DYKE	SUMP DRAIN - 1 HOV 2 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2418	12.07.2024	NAPHTHA TANK NO 5 INSIDE DYKE	SUMP DRAIN - 1 HOV 2 DOWNSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
2419	12.07.2024	NAPHTHA TANK NO 5 INSIDE DYKE	SUMP DRAIN - 1 HOV 3 UPSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
2420	12.07.2024	NAPHTHA TANK NO 5 INSIDE DYKE	SUMP DRAIN - 1 HOV 3 DOWNSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
2421	12.07.2024	NAPHTHA TANK NO 5 INSIDE DYKE	SUMP DRAIN - 2 HOV 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2422	12.07.2024	NAPHTHA TANK NO 5 INSIDE DYKE	SUMP DRAIN - 2 HOV 1 DOWNSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
2423	12.07.2024	NAPHTHA TANK NO 5 INSIDE DYKE	SUMP DRAIN - 2 HOV 2 UPSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
2424	12.07.2024	NAPHTHA TANK NO 5 INSIDE DYKE	SUMP DRAIN - 2 HOV 2 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2425	12.07.2024	NAPHTHA TANK NO 5 INSIDE DYKE	SUMP DRAIN - 2 HOV 3 UPSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
2426	12.07.2024	NAPHTHA TANK NO 5 INSIDE DYKE	SUMP DRAIN - 2 HOV 3 DOWNSTEAM	Flange	0.6	1	100	0.000003	8760	0.028200
2427	12.07.2024	NAPHTHA TANK NO 5 INSIDE DYKE	PRESSURE TRANSMITTER HOV UPSTEAM	Flange	0.5	1	100	0.000003	8760	0.024807
2428	12.07.2024	NAPHTHA TANK NO 5 INSIDE DYKE	PRESSURE TRANSMITTER HOV DOWN STEAM	Flange	0.5	1	100	0.000003	8760	0.024807
2429	12.07.2024	NAPHTHA TANK NO 5 INSIDE DYKE	MAN HOLE - 1	Flange	0.5	1	100	0.000003	8760	0.024807
2430	12.07.2024	NAPHTHA TANK NO 5 INSIDE DYKE	MAN HOLE - 2	Flange	0	1	100	0.000000	8760	0.000000
2431	12.07.2024	NAPHTHA TANK NO 5 INSIDE DYKE	MAN HOLE - 3	Flange	0	1	100	0.000000	8760	0.000000
2432	12.07.2024	NAPHTHA TANK NO 5 INSIDE DYKE	MAN HOLE - 4	Flange	0.3	1	100	0.000002	8760	0.017323
2433	12.07.2024	NAPHTHA TANK NO 5 INSIDE DYKE	HEEL STRPING MOV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2434	12.07.2024	NAPHTHA TANK NO 5 INSIDE DYKE	HEEL STRPING MOV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2435	12.07.2024	NAPHTHA TANK NO 5 INSIDE DYKE	OUTLET XZV 5004 UPSTEAM	Flange	0.3	1	100	0.000002	8760	0.017323
2436	12.07.2024	NAPHTHA TANK NO 5 INSIDE DYKE	OUTLET XZV 5004 DOWNSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
2437	12.07.2024	NAPHTHA TANK NO 5 INSIDE DYKE	CLEAN OUT DOOR	Flange	0	1	100	0.000000	8760	0.000000
2438	12.07.2024	NAPHTHA TANK NO 5 INSIDE DYKE	OUTLET BODY FLANGE	Flange	0.1	1	100	0.000001	8760	0.008002
2439	12.07.2024	NAPHTHA TANK NO 5 INSIDE DYKE	SPECTACLE BLIND UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2440	12.07.2024	NAPHTHA TANK NO 5 INSIDE DYKE	SPECTACLE BLIND DOWNSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
2441	12.07.2024	OUTSIDE DYKE	INLET HEADER MOV UPSTEAM(205-MOV-0016)	Flange	0	1	100	0.000000	8760	0.000000
2442	12.07.2024	OUTSIDE DYKE	INLET HEADER MOV DOWNSTEAM(205-MOV-0016)	Flange	0.3	1	100	0.000002	8760	0.017323
2443	12.07.2024	OUTSIDE DYKE	INLET HEADER PSV UPSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
2444	12.07.2024	OUTSIDE DYKE	INLET HEADER PSV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2445	12.07.2024	OUT SIDE DYKE	STREAM HOV - 1 UPSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
2446	12.07.2024	OUT SIDE DYKE	STREAM HOV - 1 DOWNSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
2447	12.07.2024	OUT SIDE DYKE	STREAM HOV - 2 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2448	12.07.2024	OUT SIDE DYKE	STREAM HOV - 2 DOWNSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
2449	12.07.2024	MOVS CONNECTED TO INLET	MOV - 1 UPSTEAM(205-MOV-0012)	Flange	0.3	1	100	0.000002	8760	0.017323
2450	12.07.2024	MOVS CONNECTED TO INLET	MOV - 1 DOWNSTEAM(205-MOV-0012)	Flange	0	1	100	0.000000	8760	0.000000
2451	12.07.2024	MOVS CONNECTED TO INLET	MOV - 2 UPSTEAM(205-MOV-0007)	Flange	0.2	1	100	0.000001	8760	0.013027
2452	12.07.2024	MOVS CONNECTED TO INLET	MOV - 2 DOWNSTEAM(205-MOV-0007)	Flange	0.3	1	100	0.000002	8760	0.017323
2453	12.07.2024	MOVS CONNECTED TO INLET	MOV - 3 UPSTEAM(205-MOV-0010)	Flange	0	1	100	0.000000	8760	0.000000

2454	12.07.2024	MOVS CONNECTED TO INLET	MOV - 3 DOWNSTREAM(205-MOV-0009)	Flange	0.3	1	100	0.000002	8760	0.017323
2455	12.07.2024	MOVS CONNECTED TO INLET	MOV - 4 UPSTREAM(205-MOV-0008)	Flange	0	1	100	0.000000	8760	0.000000
2456	12.07.2024	MOVS CONNECTED TO INLET	MOV - 4 DOWNSTREAM(205-MOV-0008)	Flange	0.2	1	100	0.000001	8760	0.013027
2457	12.07.2024	MOVS CONNECTED TO INLET	MOV - 5 UPSTREAM(205-MOV-0009)	Flange	0	1	100	0.000000	8760	0.000000
2458	12.07.2024	MOVS CONNECTED TO INLET	MOV - 5 DOWNSTREAM(205-MOV-0009)	Flange	0	1	100	0.000000	8760	0.000000
2459	12.07.2024	MOVS CONNECTED TO INLET	NRV - 1 UPSTREAM	Flange	0.2	1	100	0.000001	8760	0.013027
2460	12.07.2024	MOVS CONNECTED TO INLET	NRV - 1 DOWNSTREAM	Flange	0	1	100	0.000000	8760	0.000000
2461	12.07.2024	MOVS CONNECTED TO INLET	NRV - 2 UPSTREAM	Flange	0.1	1	100	0.000001	8760	0.008002
2462	12.07.2024	MOVS CONNECTED TO INLET	NRV - 2 DOWNSTREAM	Flange	0.2	1	100	0.000001	8760	0.013027
2463	12.07.2024	MOVS CONNECTED TO INLET	NRV - 3 UPSTREAM	Flange	0	1	100	0.000000	8760	0.000000
2464	12.07.2024	MOVS CONNECTED TO INLET	NRV - 3 DOWNSTREAM	Flange	0.2	1	100	0.000001	8760	0.013027
2465	12.07.2024	MOVS CONNECTED TO INLET	NRV - 4 UPSTREAM	Flange	0.1	1	100	0.000001	8760	0.008002
2466	12.07.2024	MOVS CONNECTED TO INLET	NRV - 4 DOWNSTREAM	Flange	0.2	1	100	0.000001	8760	0.013027
2467	12.07.2024	MOVS CONNECTED TO INLET	NRV - 5 UPSTREAM	Flange	0.1	1	100	0.000001	8760	0.008002
2468	12.07.2024	MOVS CONNECTED TO INLET	NRV - 5 DOWNSTREAM	Flange	0	1	100	0.000000	8760	0.000000
2469	12.07.2024	MOVS CONNECTED TO INLET	PUMP DISCHARGE HEADER MOV UPSTREAM	Flange	0	1	100	0.000000	8760	0.000000
2470	12.07.2024	MOVS CONNECTED TO INLET	PUMP DISCHARGE HEADER MOV DOWNSTREAM	Flange	0.2	1	100	0.000001	8760	0.013027
2471	12.07.2024	MOVS CONNECTED TO INLET	MOV - 1 UPSTREAM	Flange	0.1	1	100	0.000001	8760	0.008002
2472	12.07.2024	MOVS CONNECTED TO INLET	MOV - 1 DOWNSTREAM	Flange	0.5	1	100	0.000003	8760	0.024807
2473	12.07.2024	MOVS CONNECTED TO INLET	MOV - 2 UPSTREAM	Flange	0.4	1	100	0.000002	8760	0.021206
2474	12.07.2024	MOVS CONNECTED TO INLET	MOV - 2 DOWNSTREAM	Flange	0.3	1	100	0.000002	8760	0.017323
2475	12.07.2024	MOVS CONNECTED TO INLET	ITT HEADER HOV UPSTREAM	Flange	0.2	1	100	0.000001	8760	0.013027
2476	12.07.2024	MOVS CONNECTED TO INLET	ITT HEADER HOV DOWNSTREAM	Flange	0.4	1	100	0.000002	8760	0.021206
2477	12.07.2024	MOVS CONNECTED TO INLET	RECIRCULATION MOV UPSTREAM(205-MOV-0245)	Flange	0.5	1	100	0.000003	8760	0.024807
2478	12.07.2024	MOVS CONNECTED TO INLET	RECIRCULATION MOV DOWNSTREAM(205-MOV-0245)	Flange	0.5	1	100	0.000003	8760	0.024807
2479	12.07.2024	MOVS CONNECTED TO INLET	MFA FROM DOSING SKIT MOV UPSTREAM	Flange	0.6	1	100	0.000003	8760	0.028200
2480	12.07.2024	MOVS CONNECTED TO INLET	MFA FROM DOSING SKIT MOV DOWNSTREAM	Flange	0.2	1	100	0.000001	8760	0.013027
2481	12.07.2024	MOVS CONNECTED TO INLET	OUTLET HEADER MOV UPSTREAM(205-MOV-0246)	Flange	0.6	1	100	0.000003	8760	0.028200
2482	12.07.2024	MOVS CONNECTED TO INLET	OUTLET HEADER MOV DOWNSTREAM(205-MOV-0246)	Flange	0.5	1	100	0.000003	8760	0.024807
2483	12.07.2024	MOVS CONNECTED TO INLET	HEEL STRIPING MOV UPSTREAM(205-MOV-0247)	Flange	0.5	1	100	0.000003	8760	0.024807
2484	12.07.2024	MOVS CONNECTED TO INLET	HEEL STRIPING MOV DOWNSTREAM(205-MOV-0247)	Flange	0.6	1	100	0.000003	8760	0.028200
2485	12.07.2024	MOVS CONNECTED TO INLET	OUTLET HEADER PSV UPSTREAM	Flange	0.4	1	100	0.000002	8760	0.021206
2486	12.07.2024	MOVS CONNECTED TO INLET	OUTLET HEADER PSV DOWNSTREAM	Flange	0.5	1	100	0.000003	8760	0.024807
2487	12.07.2024	MOVS CONNECTED TO INLET	STREAM HOV - 1 UPSTREAM	Flange	0.6	1	100	0.000003	8760	0.028200
2488	12.07.2024	MOVS CONNECTED TO INLET	STREAM HOV - 1 DOWNSTREAM	Flange	0.5	1	100	0.000003	8760	0.024807
2489	12.07.2024	MOVS CONNECTED TO INLET	STREAM HOV - 2 UPSTREAM	Flange	0.3	1	100	0.000002	8760	0.017323
2490	12.07.2024	MOVS CONNECTED TO INLET	STREAM HOV - 2 DOWNSTREAM	Flange	0.2	1	100	0.000001	8760	0.013027
2491	12.07.2024	NAPHTHA TANK NO 5 TANK TOP	RIM SEAL EAST	Flange	0.4	1	100	0.000002	8760	0.021206
2492	12.07.2024	NAPHTHA TANK NO 5 TANK TOP	RIM SEAL WEST	Flange	1	1	100	0.000005	8760	0.040384
2493	12.07.2024	NAPHTHA TANK NO 5 TANK TOP	RIM SEAL NORTH	Flange	0.2	1	100	0.000001	8760	0.013027
2494	12.07.2024	NAPHTHA TANK NO 5 TANK TOP	RIM SEAL SOUTH	Flange	1.1	1	100	0.000005	8760	0.043182
2495	12.07.2024	NAPHTHA TANK NO 5 TANK TOP	DIPHATCH	Flange	1.2	1	100	0.000005	8760	0.045906
2496	12.07.2024	NAPHTHA TANK NO 4 INSIDE DYKE	RECIRCULATION MOV UPSTREAM	Flange	1.1	1	100	0.000005	8760	0.043182
2497	12.07.2024	NAPHTHA TANK NO 4 INSIDE DYKE	RECIRCULATION MOV DOWNSTREAM	Flange	1.2	1	100	0.000005	8760	0.045906
2498	12.07.2024	NAPHTHA TANK NO 4 INSIDE DYKE	INLET XZV 5001 UPSTREAM	Flange	1	1	100	0.000005	8760	0.040384
2499	12.07.2024	NAPHTHA TANK NO 4 INSIDE DYKE	INLET XZV 5001 DOWN STEAM	Flange	1.5	1	100	0.000006	8760	0.053703
2500	12.07.2024	NAPHTHA TANK NO 4 INSIDE DYKE	MINIMUM FLOW HEADER MOV UPSTREAM	Flange	0.8	1	100	0.000004	8760	0.034521
2501	12.07.2024	NAPHTHA TANK NO 4 INSIDE DYKE	MINIMUM FLOW HEADER MOV DOWNSTREAM	Flange	0.9	1	100	0.000004	8760	0.037501
2502	12.07.2024	NAPHTHA TANK NO 4 INSIDE DYKE	SUMP DRAIN - 1 HOV 1 UPSTREAM	Flange	0.5	1	100	0.000003	8760	0.024807
2503	12.07.2024	NAPHTHA TANK NO 4 INSIDE DYKE	SUMP DRAIN - 1 HOV 1 DOWNSTREAM	Flange	0.6	1	100	0.000003	8760	0.028200
2504	12.07.2024	NAPHTHA TANK NO 4 INSIDE DYKE	SUMP DRAIN - 1 HOV 2 UPSTREAM	Flange	0.5	1	100	0.000003	8760	0.024807
2505	12.07.2024	NAPHTHA TANK NO 4 INSIDE DYKE	SUMP DRAIN - 1 HOV 2 DOWNSTREAM	Flange	0.6	1	100	0.000003	8760	0.028200
2506	12.07.2024	NAPHTHA TANK NO 4 INSIDE DYKE	SUMP DRAIN - 1 HOV 3 UPSTREAM	Flange	0.5	1	100	0.000003	8760	0.024807
2507	12.07.2024	NAPHTHA TANK NO 4 INSIDE DYKE	SUMP DRAIN - 1 HOV 3 DOWNSTREAM	Flange	0.5	1	100	0.000003	8760	0.024807
2508	12.07.2024	NAPHTHA TANK NO 4 INSIDE DYKE	SUMP DRAIN - 2 HOV 1 UPSTREAM	Flange	0.6	1	100	0.000003	8760	0.028200
2509	12.07.2024	NAPHTHA TANK NO 4 INSIDE DYKE	SUMP DRAIN - 2 HOV 1 DOWNSTREAM	Flange	0.5	1	100	0.000003	8760	0.024807
2510	12.07.2024	NAPHTHA TANK NO 4 INSIDE DYKE	SUMP DRAIN - 2 HOV 2 UPSTREAM	Flange	0.2	1	100	0.000001	8760	0.013027
2511	12.07.2024	NAPHTHA TANK NO 4 INSIDE DYKE	SUMP DRAIN - 2 HOV 2 DOWNSTREAM	Flange	0.1	1	100	0.000001	8760	0.008002
2512	12.07.2024	NAPHTHA TANK NO 4 INSIDE DYKE	SUMP DRAIN - 2 HOV 3 UPSTREAM	Flange	0.2	1	100	0.000001	8760	0.013027
2513	12.07.2024	NAPHTHA TANK NO 4 INSIDE DYKE	SUMP DRAIN - 2 HOV 3 DOWNSTREAM	Flange	0	1	100	0.000000	8760	0.000000
2514	12.07.2024	NAPHTHA TANK NO 4 INSIDE DYKE	PRESSURE TRANSMITTER HOV UPSTREAM	Flange	0	1	100	0.000000	8760	0.000000
2515	12.07.2024	NAPHTHA TANK NO 4 INSIDE DYKE	PRESSURE TRANSMITTER HOV DOWN STEAM	Flange	0.5	1	100	0.000003	8760	0.024807
2516	12.07.2024	NAPHTHA TANK NO 4 INSIDE DYKE	MAN HOLE - 1	Flange	0	1	100	0.000000	8760	0.000000
2517	12.07.2024	NAPHTHA TANK NO 4 INSIDE DYKE	MAN HOLE - 2	Flange	0.1	1	100	0.000001	8760	0.008002
2518	12.07.2024	NAPHTHA TANK NO 4 INSIDE DYKE	MAN HOLE - 3	Flange	0.2	1	100	0.000001	8760	0.013027
2519	12.07.2024	NAPHTHA TANK NO 4 INSIDE DYKE	MAN HOLE - 4	Flange	1	1	100	0.000005	8760	0.040384
2520	12.07.2024	NAPHTHA TANK NO 4 INSIDE DYKE	HEEL STRIPING MOV UPSTREAM	Flange	0.8	1	100	0.000004	8760	0.034521
2521	12.07.2024	NAPHTHA TANK NO 4 INSIDE DYKE	HEEL STRIPING MOV DOWNSTREAM	Flange	0.5	1	100	0.000003	8760	0.024807
2522	12.07.2024	NAPHTHA TANK NO 4 INSIDE DYKE	OUTLET XZV 5002 UPSTREAM	Flange	0.5	1	100	0.000003	8760	0.024807
2523	12.07.2024	NAPHTHA TANK NO 4 INSIDE DYKE	OUTLET XZV 5002 DOWNSTREAM	Flange	0.2	1	100	0.000001	8760	0.013027
2524	12.07.2024	NAPHTHA TANK NO 4 INSIDE DYKE	CLEAN OUT DOOR	Flange	0.3	1	100	0.000002	8760	0.017323
2525	12.07.2024	NAPHTHA TANK NO 4 INSIDE DYKE	OUTLET BODY FLANGE	Flange	0.5	1	100	0.000003	8760	0.024807

2526	12.07.2024	NAPHTHA TANK NO 4 INSIDE DYKE	SPECTACLE BLIND UPSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
2527	12.07.2024	NAPHTHA TANK NO 4 INSIDE DYKE	SPECTACLE BLIND DOWNSTEAM	Flange	0.4	1	100	0.000002	8760	0.021206
2528	12.07.2024	OUTSIDE DYKE	INLET HEADER MOV UPSTEAM(205-MOV-0012)	Flange	0.5	1	100	0.000003	8760	0.024807
2529	12.07.2024	OUTSIDE DYKE	INLET HEADER MOV DOWNSTEAM(205-MOV-0012)	Flange	0.4	1	100	0.000002	8760	0.021206
2530	12.07.2024	OUTSIDE DYKE	INLET HEADER PSV UPSTEAM	Flange	0.5	1	100	0.000003	8760	0.024807
2531	12.07.2024	OUTSIDE DYKE	INLET HEADER PSV DOWNSTEAM	Flange	1	1	100	0.000005	8760	0.040384
2532	12.07.2024	OUT SIDE DYKE	STREAM HOV - 1 UPSTEAM	Flange	1.1	1	100	0.000005	8760	0.043182
2533	12.07.2024	OUT SIDE DYKE	STREAM HOV - 1 DOWNSTEAM	Flange	0.9	1	100	0.000004	8760	0.037501
2534	12.07.2024	OUT SIDE DYKE	STREAM HOV - 2 UPSTEAM	Flange	0.5	1	100	0.000003	8760	0.024807
2535	12.07.2024	OUT SIDE DYKE	STREAM HOV - 2 DOWNSTEAM	Flange	0.5	1	100	0.000003	8760	0.024807
2536	12.07.2024	MOVS CONNECTED TO INLET	MOV - 1 UPSTEAM(205-MOV-0006)	Flange	0	1	100	0.000000	8760	0.000000
2537	12.07.2024	MOVS CONNECTED TO INLET	MOV - 1 DOWNSTEAM(205-MOV-0006)	Flange	0	1	100	0.000000	8760	0.000000
2538	12.07.2024	MOVS CONNECTED TO INLET	MOV - 2 UPSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
2539	12.07.2024	MOVS CONNECTED TO INLET	MOV - 2 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
2540	12.07.2024	MOVS CONNECTED TO INLET	MOV - 3 UPSTEAM	Flange	0.5	1	100	0.000003	8760	0.024807
2541	12.07.2024	MOVS CONNECTED TO INLET	MOV - 3 DOWNSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
2542	12.07.2024	MOVS CONNECTED TO INLET	MOV - 4 UPSTEAM(205-MOV-0002)	Flange	0.5	1	100	0.000003	8760	0.024807
2543	12.07.2024	MOVS CONNECTED TO INLET	MOV - 4 DOWNSTEAM(205-MOV-0002)	Flange	0.2	1	100	0.000001	8760	0.013027
2544	12.07.2024	MOVS CONNECTED TO INLET	MOV - 5 UPSTEAM(205-MOV-0003)	Flange	0.1	1	100	0.000001	8760	0.008002
2545	12.07.2024	MOVS CONNECTED TO INLET	MOV - 5 DOWNSTEAM(205-MOV-0003)	Flange	0.5	1	100	0.000003	8760	0.024807
2546	12.07.2024	MOVS CONNECTED TO INLET	NRV - 1 UPSTEAM	Flange	0.6	1	100	0.000003	8760	0.028200
2547	12.07.2024	MOVS CONNECTED TO INLET	NRV - 1 DOWNSTEAM	Flange	0.5	1	100	0.000003	8760	0.024807
2548	12.07.2024	MOVS CONNECTED TO INLET	NRV - 2 UPSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
2549	12.07.2024	MOVS CONNECTED TO INLET	NRV - 2 DOWNSTEAM	Flange	0.4	1	100	0.000002	8760	0.021206
2550	12.07.2024	MOVS CONNECTED TO INLET	NRV - 3 UPSTEAM	Flange	0.3	1	100	0.000002	8760	0.017323
2551	12.07.2024	MOVS CONNECTED TO INLET	NRV - 3 DOWNSTEAM	Flange	1	1	100	0.000005	8760	0.040384
2552	12.07.2024	MOVS CONNECTED TO INLET	NRV - 4 UPSTEAM	Flange	1.2	1	100	0.000005	8760	0.045906
2553	12.07.2024	MOVS CONNECTED TO INLET	NRV - 4 DOWNSTEAM	Flange	1.5	1	100	0.000006	8760	0.053703
2554	12.07.2024	MOVS CONNECTED TO INLET	NRV - 5 UPSTEAM	Flange	1	1	100	0.000005	8760	0.040384
2555	12.07.2024	MOVS CONNECTED TO INLET	NRV - 5 DOWNSTEAM	Flange	1.2	1	100	0.000005	8760	0.045906
2556	12.07.2024	MOVS CONNECTED TO INLET	PUMP DISCHARGE HEADER MOV UPSTEAM	Flange	1.3	1	100	0.000006	8760	0.048563
2557	12.07.2024	MOVS CONNECTED TO INLET	PUMP DISCHARGE HEADER MOV DOWNSTEAM	Flange	1	1	100	0.000005	8760	0.040384
2558	12.07.2024	MOVS CONNECTED TO INLET	MOV - 1 UPSTEAM(205-MOV-0619)	Flange	2.1	1	100	0.000008	8760	0.068034
2559	12.07.2024	MOVS CONNECTED TO INLET	MOV - 1 DOWNSTEAM(205-MOV-0619)	Flange	0.8	1	100	0.000004	8760	0.034521
2560	12.07.2024	MOVS CONNECTED TO INLET	MOV - 2 UPSTEAM(205-MOV-0624)	Flange	0	1	100	0.000000	8760	0.000000
2561	12.07.2024	MOVS CONNECTED TO INLET	MOV - 2 DOWNSTEAM(205-MOV-0624)	Flange	2.1	1	100	0.000008	8760	0.068034
2562	12.07.2024	MOVS CONNECTED TO INLET	ITT HEADER HOV UPSTEAM	Flange	1.2	1	100	0.000005	8760	0.045906
2563	12.07.2024	MOVS CONNECTED TO INLET	ITT HEADER HOV DOWNSTEAM	Flange	1	1	100	0.000005	8760	0.040384
2564	12.07.2024	MOVS CONNECTED TO INLET	RECIRCULATION MOV UPSTEAM(205-MOV-0242)	Flange	1.3	1	100	0.000006	8760	0.048563
2565	12.07.2024	MOVS CONNECTED TO INLET	RECIRCULATION MOV DOWNSTEAM(205-MOV-0242)	Flange	1.1	1	100	0.000005	8760	0.043182
2566	12.07.2024	MOVS CONNECTED TO INLET	WATER FROM DOSING SKIT MOV UPSTEAM	Flange	0.9	1	100	0.000004	8760	0.037501
2567	12.07.2024	MOVS CONNECTED TO INLET	WATER FROM DOSING SKIT MOV DOWNSTEAM	Flange	0.5	1	100	0.000003	8760	0.024807
2568	12.07.2024	MOVS CONNECTED TO INLET	OUTLET HEADER MOV UPSTEAM	Flange	0.8	1	100	0.000004	8760	0.034521
2569	12.07.2024	MOVS CONNECTED TO INLET	OUTLET HEADER MOV DOWNSTEAM	Flange	0.5	1	100	0.000003	8760	0.024807
2570	12.07.2024	MOVS CONNECTED TO INLET	HEEL STRPING MOV UPSTEAM	Flange	0.5	1	100	0.000003	8760	0.024807
2571	12.07.2024	MOVS CONNECTED TO INLET	HEEL STRPING MOV DOWNSTEAM	Flange	0.6	1	100	0.000003	8760	0.028200
2572	12.07.2024	MOVS CONNECTED TO INLET	OUTLET HEADER PSV UPSTEAM	Flange	0.3	1	100	0.000002	8760	0.017323
2573	12.07.2024	MOVS CONNECTED TO INLET	OUTLET HEADER PSV DOWNSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
2574	12.07.2024	MOVS CONNECTED TO INLET	STREAM HOV - 1 UPSTEAM	Flange	1.1	1	100	0.000005	8760	0.043182
2575	12.07.2024	MOVS CONNECTED TO INLET	STREAM HOV - 1 DOWNSTEAM	Flange	1.2	1	100	0.000005	8760	0.045906
2576	12.07.2024	MOVS CONNECTED TO INLET	STREAM HOV - 2 UPSTEAM	Flange	1.3	1	100	0.000006	8760	0.048563
2577	12.07.2024	MOVS CONNECTED TO INLET	STREAM HOV - 2 DOWNSTEAM	Flange	1.2	1	100	0.000005	8760	0.045906
2578	12.07.2024	NAPHTHA TANK NO 4 TANK TOP	RIM SEAL EAST	Flange	1.5	1	100	0.000006	8760	0.053703
2579	12.07.2024	NAPHTHA TANK NO 4 TANK TOP	RIM SEAL WEST	Flange	1.3	1	100	0.000006	8760	0.048563
2580	12.07.2024	NAPHTHA TANK NO 4 TANK TOP	RIM SEAL NORTH	Flange	1.5	1	100	0.000006	8760	0.053703
2581	12.07.2024	NAPHTHA TANK NO 4 TANK TOP	RIM SEAL SOUTH	Flange	1.1	1	100	0.000005	8760	0.043182
2582	12.07.2024	NAPHTHA TANK NO 4 TANK TOP	DIPHATCH	Flange	1.5	1	100	0.000006	8760	0.053703
2583	12.07.2024	MS TANK AREA 11 INSIDE DYKE	RECIRCULATION MOV UPSTEAM	Flange	0.9	0.8	100	0.000003	8760	0.030000
2584	12.07.2024	MS TANK AREA 11 INSIDE DYKE	RECIRCULATION MOV DOWNSTEAM	Flange	1.2	0.8	100	0.000004	8760	0.036725
2585	12.07.2024	MS TANK AREA 11 INSIDE DYKE	RECIRCULATION BODY	Flange	0.9	0.8	100	0.000003	8760	0.030000
2586	12.07.2024	MS TANK AREA 11 INSIDE DYKE	INLET XZV 5005 UPSTEAM	Flange	1.2	0.8	100	0.000004	8760	0.036725
2587	12.07.2024	MS TANK AREA 11 INSIDE DYKE	INLET XZV 5005 DOWN STEAM	Flange	0.9	0.8	100	0.000003	8760	0.030000
2588	12.07.2024	MS TANK AREA 11 INSIDE DYKE	MINIMUM FLOW HEADER MOV UPSTEAM	Flange	1.2	0.8	100	0.000004	8760	0.036725
2589	12.07.2024	MS TANK AREA 11 INSIDE DYKE	MINIMUM FLOW HEADER MOV DOWNSTEAM	Flange	1.2	0.8	100	0.000004	8760	0.036725
2590	12.07.2024	MS TANK AREA 11 INSIDE DYKE	SUMP DRAIN - 1 HOV 1 UPSTEAM	Flange	1.2	0.8	100	0.000004	8760	0.036725
2591	12.07.2024	MS TANK AREA 11 INSIDE DYKE	SUMP DRAIN - 1 HOV 1 DOWNSTEAM	Flange	0.9	0.8	100	0.000003	8760	0.030000
2592	12.07.2024	MS TANK AREA 11 INSIDE DYKE	SUMP DRAIN - 1 HOV 2 UPSTEAM	Flange	1.2	0.8	100	0.000004	8760	0.036725
2593	12.07.2024	MS TANK AREA 11 INSIDE DYKE	SUMP DRAIN - 1 HOV 2 DOWNSTEAM	Flange	1.5	0.8	100	0.000005	8760	0.042962
2594	12.07.2024	MS TANK AREA 11 INSIDE DYKE	SUMP DRAIN - 1 HOV 3 UPSTEAM	Flange	1.1	0.8	100	0.000004	8760	0.034546
2595	12.07.2024	MS TANK AREA 11 INSIDE DYKE	SUMP DRAIN - 1 HOV 3 DOWNSTEAM	Flange	0.9	0.8	100	0.000003	8760	0.030000
2596	12.07.2024	MS TANK AREA 11 INSIDE DYKE	SUMP DRAIN - 2 HOV 1 UPSTEAM	Flange	1.2	0.8	100	0.000004	8760	0.036725
2597	12.07.2024	MS TANK AREA 11 INSIDE DYKE	SUMP DRAIN - 2 HOV 1 DOWNSTEAM	Flange	1.3	0.8	100	0.000004	8760	0.038851

2598	12.07.2024	MS TANK AREA 11 INSIDE DYKE	SUMP DRAIN - 2 HOV 2 UPSTEAM	Flange	1.5	0.8	100	0.000005	8760	0.042962
2599	12.07.2024	MS TANK AREA 11 INSIDE DYKE	SUMP DRAIN - 2 HOV 2 DOWNSTEAM	Flange	1.2	0.8	100	0.000004	8760	0.036725
2600	12.07.2024	MS TANK AREA 11 INSIDE DYKE	SUMP DRAIN - 2 HOV 3 UPSTEAM	Flange	0.9	0.8	100	0.000003	8760	0.030000
2601	12.07.2024	MS TANK AREA 11 INSIDE DYKE	SUMP DRAIN - 2 HOV 3 DOWNSTEAM	Flange	1.1	0.8	100	0.000004	8760	0.034546
2602	12.07.2024	MS TANK AREA 11 INSIDE DYKE	SUMP DRAIN - 3 HOV 1 UPSTEAM	Flange	1.3	0.8	100	0.000004	8760	0.038851
2603	12.07.2024	MS TANK AREA 11 INSIDE DYKE	SUMP DRAIN - 3 HOV 1 DOWNSTEAM	Flange	0.9	0.8	100	0.000003	8760	0.030000
2604	12.07.2024	MS TANK AREA 11 INSIDE DYKE	SUMP DRAIN - 3 HOV 2 UPSTEAM	Flange	0.5	0.8	100	0.000002	8760	0.019846
2605	12.07.2024	MS TANK AREA 11 INSIDE DYKE	SUMP DRAIN - 3 HOV 2 DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2606	12.07.2024	MS TANK AREA 11 INSIDE DYKE	SUMP DRAIN - 3 HOV 3 UPSTEAM	Flange	0.2	0.8	100	0.000001	8760	0.010421
2607	12.07.2024	MS TANK AREA 11 INSIDE DYKE	SUMP DRAIN - 3 HOV 3 DOWNSTEAM	Flange	0.5	0.8	100	0.000002	8760	0.019846
2608	12.07.2024	MS TANK AREA 11 INSIDE DYKE	SUMP DRAIN - 4 HOV 1 UPSTEAM	Flange	0.6	0.8	100	0.000003	8760	0.022560
2609	12.07.2024	MS TANK AREA 11 INSIDE DYKE	SUMP DRAIN - 4 HOV 1 DOWNSTEAM	Flange	0.5	0.8	100	0.000002	8760	0.019846
2610	12.07.2024	MS TANK AREA 11 INSIDE DYKE	SUMP DRAIN - 4 HOV 2 UPSTEAM	Flange	0.4	0.8	100	0.000002	8760	0.016965
2611	12.07.2024	MS TANK AREA 11 INSIDE DYKE	SUMP DRAIN - 4 HOV 2 DOWNSTEAM	Flange	0.2	0.8	100	0.000001	8760	0.010421
2612	12.07.2024	MS TANK AREA 11 INSIDE DYKE	SUMP DRAIN - 4 HOV 3 UPSTEAM	Flange	0.3	0.8	100	0.000002	8760	0.013858
2613	12.07.2024	MS TANK AREA 11 INSIDE DYKE	SUMP DRAIN - 4 HOV 3 DOWNSTEAM	Flange	0.2	0.8	100	0.000001	8760	0.010421
2614	12.07.2024	MS TANK AREA 11 INSIDE DYKE	PRESSURE TRANSMITTER HOV UPSTEAM	Flange	0.3	0.8	100	0.000002	8760	0.013858
2615	12.07.2024	MS TANK AREA 11 INSIDE DYKE	PRESSURE TRANSMITTER HOV DOWNSTEAM	Flange	0.2	0.8	100	0.000001	8760	0.010421
2616	12.07.2024	MS TANK AREA 11 INSIDE DYKE	MAN HOLE - 1	Flange	0	0.8	100	0.000000	8760	0.000000
2617	12.07.2024	MS TANK AREA 11 INSIDE DYKE	MAN HOLE - 2	Flange	0.5	0.8	100	0.000002	8760	0.019846
2618	12.07.2024	MS TANK AREA 11 INSIDE DYKE	MAN HOLE - 3	Flange	0.6	0.8	100	0.000003	8760	0.022560
2619	12.07.2024	MS TANK AREA 11 INSIDE DYKE	HEEL STRPING MOV UPSTEAM	Flange	0.8	0.8	100	0.000003	8760	0.027616
2620	12.07.2024	MS TANK AREA 11 INSIDE DYKE	HEEL STRPING MOV DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2621	12.07.2024	MS TANK AREA 11 INSIDE DYKE	OUTLET XZV UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2622	12.07.2024	MS TANK AREA 11 INSIDE DYKE	OUTLET XZV DOWNSTEAM	Flange	0.2	0.8	100	0.000001	8760	0.010421
2623	12.07.2024	MS TANK AREA 11 INSIDE DYKE	CLEAN OUT DOOR	Flange	0	0.8	100	0.000000	8760	0.000000
2624	12.07.2024	OUT SIDE DYKE	INLET HEADER MOV UPSTEAM	Flange	0.2	0.8	100	0.000001	8760	0.010421
2625	12.07.2024	OUT SIDE DYKE	INLET HEADER MOV DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2626	12.07.2024	OUT SIDE DYKE	INLET HEADER PSV UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2627	12.07.2024	OUT SIDE DYKE	INLET HEADER PSV DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2628	12.07.2024	OUT SIDE DYKE	STREAM HOV - 1 UPSTEAM	Flange	0.1	0.8	100	0.000001	8760	0.006402
2629	12.07.2024	OUT SIDE DYKE	STREAM HOV - 1 DOWNSTEAM	Flange	0.2	0.8	100	0.000001	8760	0.010421
2630	12.07.2024	OUT SIDE DYKE	STREAM HOV - 2 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2631	12.07.2024	OUT SIDE DYKE	STREAM HOV - 2 DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2632	12.07.2024	MOVS CONNECTED TO INLET	MOV - 1 UPSTEAM	Flange	0.2	0.8	100	0.000001	8760	0.010421
2633	12.07.2024	MOVS CONNECTED TO INLET	MOV - 1 DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2634	12.07.2024	MOVS CONNECTED TO INLET	MS PREMIUM FROM MS BLENDING UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2635	12.07.2024	MOVS CONNECTED TO INLET	MS PREMIUM FROM MS BLENDING DOWNSTEAM	Flange	0.1	0.8	100	0.000001	8760	0.006402
2636	12.07.2024	MOVS CONNECTED TO INLET	MINIMUM FLOW HEADER MOV UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2637	12.07.2024	MOVS CONNECTED TO INLET	MINIMUM FLOW HEADER MOV DOWNSTEAM	Flange	0.3	0.8	100	0.000002	8760	0.013858
2638	12.07.2024	MOVS CONNECTED TO INLET	ITT HEADER HOV UPSTEAM	Flange	0.2	0.8	100	0.000001	8760	0.010421
2639	12.07.2024	MOVS CONNECTED TO INLET	ITT HEADER HOV DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2640	12.07.2024	MOVS CONNECTED TO INLET	RECIRCULATION MOV UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2641	12.07.2024	MOVS CONNECTED TO INLET	RECIRCULATION MOV DOWN STEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2642	12.07.2024	MOVS CONNECTED TO INLET	MFA FROM DOSING SKIT MOV UPSTEAM	Flange	0.1	0.8	100	0.000001	8760	0.006402
2643	12.07.2024	MOVS CONNECTED TO INLET	MFA FROM DOSING SKIT MOV DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2644	12.07.2024	MOVS CONNECTED TO INLET	OUTLET HEADER MOV UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2645	12.07.2024	MOVS CONNECTED TO INLET	OUTLET HEADER MOV DOWNSTEAM	Flange	0.3	0.8	100	0.000002	8760	0.013858
2646	12.07.2024	MOVS CONNECTED TO INLET	OUTLET HEADER PSV UPSTEAM	Flange	0.2	0.8	100	0.000001	8760	0.010421
2647	12.07.2024	MOVS CONNECTED TO INLET	OUTLET HEADER PSV DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2648	12.07.2024	MOVS CONNECTED TO INLET	STREAM HOV - 1 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2649	12.07.2024	MOVS CONNECTED TO INLET	STREAM HOV - 1 DOWNSTEAM	Flange	0.2	0.8	100	0.000001	8760	0.010421
2650	12.07.2024	MOVS CONNECTED TO INLET	STREAM HOV - 2 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2651	12.07.2024	MOVS CONNECTED TO INLET	STREAM HOV - 2 DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2652	12.07.2024	MS TANK NO 11 TANK TOP	RIM SEAL EAST	Flange	0	0.8	100	0.000000	8760	0.000000
2653	12.07.2024	MS TANK NO 11 TANK TOP	RIM SEAL WEST	Flange	0.1	0.8	100	0.000001	8760	0.006402
2654	12.07.2024	MS TANK NO 11 TANK TOP	RIM SEAL NORTH	Flange	0	0.8	100	0.000000	8760	0.000000
2655	12.07.2024	MS TANK NO 11 TANK TOP	RIM SEAL SOUTH	Flange	0.2	0.8	100	0.000001	8760	0.010421
2656	12.07.2024	MS TANK NO 11 TANK TOP	DIPHATCH	Flange	0	0.8	100	0.000000	8760	0.000000
2657	12.07.2024	MS TANK AREA 12 INSIDE DYKE	RECIRCULATION MOV UPSTEAM	Flange	0.3	0.8	100	0.000002	8760	0.013858
2658	12.07.2024	MS TANK AREA 12 INSIDE DYKE	RECIRCULATION MOV DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2659	12.07.2024	MS TANK AREA 12 INSIDE DYKE	RECIRCULATION BODY	Flange	0.4	0.8	100	0.000002	8760	0.016965
2660	12.07.2024	MS TANK AREA 12 INSIDE DYKE	INLET XZV 5007 UPSTEAM	Flange	0.2	0.8	100	0.000001	8760	0.010421
2661	12.07.2024	MS TANK AREA 12 INSIDE DYKE	INLET XZV 5007 DOWN STEAM	Flange	0.1	0.8	100	0.000001	8760	0.006402
2662	12.07.2024	MS TANK AREA 12 INSIDE DYKE	MINIMUM FLOW HEADER MOV UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2663	12.07.2024	MS TANK AREA 12 INSIDE DYKE	MINIMUM FLOW HEADER MOV DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2664	12.07.2024	MS TANK AREA 12 INSIDE DYKE	SUMP DRAIN - 1 HOV 1 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2665	12.07.2024	MS TANK AREA 12 INSIDE DYKE	SUMP DRAIN - 1 HOV 1 DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2666	12.07.2024	MS TANK AREA 12 INSIDE DYKE	SUMP DRAIN - 1 HOV 2 UPSTEAM	Flange	0.2	0.8	100	0.000001	8760	0.010421
2667	12.07.2024	MS TANK AREA 12 INSIDE DYKE	SUMP DRAIN - 1 HOV 2 DOWNSTEAM	Flange	0.1	0.8	100	0.000001	8760	0.006402
2668	12.07.2024	MS TANK AREA 12 INSIDE DYKE	SUMP DRAIN - 1 HOV 3 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2669	12.07.2024	MS TANK AREA 12 INSIDE DYKE	SUMP DRAIN - 1 HOV 3 DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000

2670	12.07.2024	MS TANK AREA 12 INSIDE DYKE	SUMP DRAIN - 2 HOV 1 UPSTEAM	Flange	0.1	0.8	100	0.000001	8760	0.006402
2671	12.07.2024	MS TANK AREA 12 INSIDE DYKE	SUMP DRAIN - 2 HOV 1 DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2672	12.07.2024	MS TANK AREA 12 INSIDE DYKE	SUMP DRAIN - 2 HOV 2 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2673	12.07.2024	MS TANK AREA 12 INSIDE DYKE	SUMP DRAIN - 2 HOV 2 DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2674	12.07.2024	MS TANK AREA 12 INSIDE DYKE	SUMP DRAIN - 2 HOV 3 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2675	12.07.2024	MS TANK AREA 12 INSIDE DYKE	SUMP DRAIN - 2 HOV 3 DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2676	12.07.2024	MS TANK AREA 12 INSIDE DYKE	SUMP DRAIN - 3 HOV 1 UPSTEAM	Flange	0.2	0.8	100	0.000001	8760	0.010421
2677	12.07.2024	MS TANK AREA 12 INSIDE DYKE	SUMP DRAIN - 3 HOV 1 DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2678	12.07.2024	MS TANK AREA 12 INSIDE DYKE	SUMP DRAIN - 3 HOV 2 UPSTEAM	Flange	0.1	0.8	100	0.000001	8760	0.006402
2679	12.07.2024	MS TANK AREA 12 INSIDE DYKE	SUMP DRAIN - 3 HOV 2 DOWNSTEAM	Flange	0.4	0.8	100	0.000002	8760	0.016965
2680	12.07.2024	MS TANK AREA 12 INSIDE DYKE	SUMP DRAIN - 3 HOV 3 UPSTEAM	Flange	0.3	0.8	100	0.000002	8760	0.013858
2681	12.07.2024	MS TANK AREA 12 INSIDE DYKE	SUMP DRAIN - 3 HOV 3 DOWNSTEAM	Flange	0.2	0.8	100	0.000001	8760	0.010421
2682	12.07.2024	MS TANK AREA 12 INSIDE DYKE	SUMP DRAIN - 4 HOV 1 UPSTEAM	Flange	0.1	0.8	100	0.000001	8760	0.006402
2683	12.07.2024	MS TANK AREA 12 INSIDE DYKE	SUMP DRAIN - 4 HOV 1 DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2684	12.07.2024	MS TANK AREA 12 INSIDE DYKE	SUMP DRAIN - 4 HOV 2 UPSTEAM	Flange	0.5	0.8	100	0.000002	8760	0.019846
2685	12.07.2024	MS TANK AREA 12 INSIDE DYKE	SUMP DRAIN - 4 HOV 2 DOWNSTEAM	Flange	1	0.8	100	0.000004	8760	0.032307
2686	12.07.2024	MS TANK AREA 12 INSIDE DYKE	SUMP DRAIN - 4 HOV 3 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2687	12.07.2024	MS TANK AREA 12 INSIDE DYKE	SUMP DRAIN - 4 HOV 3 DOWNSTEAM	Flange	0.1	0.8	100	0.000001	8760	0.006402
2688	12.07.2024	MS TANK AREA 12 INSIDE DYKE	PRESSURE TRANSMITTER HOV UPSTEAM	Flange	0.5	0.8	100	0.000002	8760	0.019846
2689	12.07.2024	MS TANK AREA 12 INSIDE DYKE	PRESSURE TRANSMITTER HOV DOWNSTEAM	Flange	0.2	0.8	100	0.000001	8760	0.010421
2690	12.07.2024	MS TANK AREA 12 INSIDE DYKE	MAN HOLE - 1	Flange	0.8	0.8	100	0.000003	8760	0.027616
2691	12.07.2024	MS TANK AREA 12 INSIDE DYKE	MAN HOLE - 2	Flange	0.9	0.8	100	0.000003	8760	0.030000
2692	12.07.2024	MS TANK AREA 12 INSIDE DYKE	MAN HOLE - 3	Flange	1	0.8	100	0.000004	8760	0.032307
2693	12.07.2024	MS TANK AREA 12 INSIDE DYKE	HEEL STRIPING MOV UPSTEAM	Flange	0.8	0.8	100	0.000003	8760	0.027616
2694	12.07.2024	MS TANK AREA 12 INSIDE DYKE	HEEL STRIPING MOV DOWNSTEAM	Flange	0.9	0.8	100	0.000003	8760	0.030000
2695	12.07.2024	MS TANK AREA 12 INSIDE DYKE	OUTLET XZV 5008 UPSTEAM	Flange	0.5	0.8	100	0.000002	8760	0.019846
2696	12.07.2024	MS TANK AREA 12 INSIDE DYKE	OUTLET XZV 5008 DOWNSTEAM	Flange	0.1	0.8	100	0.000001	8760	0.006402
2697	12.07.2024	MS TANK AREA 12 INSIDE DYKE	CLEAN OUT DOOR	Flange	0.4	0.8	100	0.000002	8760	0.016965
2698	12.07.2024	OUT SIDE DYKE	INLET HEADER MOV UPSTEAM	Flange	0.8	0.8	100	0.000003	8760	0.027616
2699	12.07.2024	OUT SIDE DYKE	INLET HEADER MOV DOWNSTEAM	Flange	0.9	0.8	100	0.000003	8760	0.030000
2700	12.07.2024	OUT SIDE DYKE	INLET HEADER PSV UPSTEAM	Flange	1.2	0.8	100	0.000004	8760	0.036725
2701	12.07.2024	OUT SIDE DYKE	INLET HEADER PSV DOWNSTEAM	Flange	1	0.8	100	0.000004	8760	0.032307
2702	12.07.2024	OUT SIDE DYKE	STREAM HOV - 1 UPSTEAM	Flange	1.5	0.8	100	0.000005	8760	0.042962
2703	12.07.2024	OUT SIDE DYKE	STREAM HOV - 1 DOWNSTEAM	Flange	0.9	0.8	100	0.000003	8760	0.030000
2704	12.07.2024	OUT SIDE DYKE	STREAM HOV - 2 UPSTEAM	Flange	0.8	0.8	100	0.000003	8760	0.027616
2705	12.07.2024	OUT SIDE DYKE	STREAM HOV - 2 DOWNSTEAM	Flange	1	0.8	100	0.000004	8760	0.032307
2706	12.07.2024	MOVS CONNECTED TO INLET	MOV - 1 UPSTEAM	Flange	1.1	0.8	100	0.000004	8760	0.034546
2707	12.07.2024	MOVS CONNECTED TO INLET	MOV - 1 DOWNSTEAM	Flange	0.9	0.8	100	0.000003	8760	0.030000
2708	12.07.2024	MOVS CONNECTED TO INLET	MS PREMIUMUM FROM MS BLENDING UPSTEAM	Flange	1.1	0.8	100	0.000004	8760	0.034546
2709	12.07.2024	MOVS CONNECTED TO INLET	MS PREMIUMUM FROM MS BLENDING DOWNSTEAM	Flange	0.3	0.8	100	0.000002	8760	0.013858
2710	12.07.2024	MOVS CONNECTED TO INLET	MINIMUM FLOW HEADER MOV UPSTEAM	Flange	1.2	0.8	100	0.000004	8760	0.036725
2711	12.07.2024	MOVS CONNECTED TO INLET	MINIMUM FLOW HEADER MOV DOWNSTEAM	Flange	0.9	0.8	100	0.000003	8760	0.030000
2712	12.07.2024	MOVS CONNECTED TO INLET	ITT HEADER HOV UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2713	12.07.2024	MOVS CONNECTED TO INLET	ITT HEADER HOV DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2714	12.07.2024	MOVS CONNECTED TO INLET	RECIRCULATION MOV UPSTEAM	Flange	0.8	0.8	100	0.000003	8760	0.027616
2715	12.07.2024	MOVS CONNECTED TO INLET	RECIRCULATION MOV DOWN STEAM	Flange	0.4	0.8	100	0.000002	8760	0.016965
2716	12.07.2024	MOVS CONNECTED TO INLET	WFA FROM DUSING SKIT MOV UPSTEAM	Flange	0.9	0.8	100	0.000003	8760	0.030000
2717	12.07.2024	MOVS CONNECTED TO INLET	WFA FROM DUSING SKIT MOV DOWNSTEAM	Flange	1	0.8	100	0.000004	8760	0.032307
2718	12.07.2024	MOVS CONNECTED TO INLET	OUTLET HEADER MOV UPSTEAM	Flange	0.8	0.8	100	0.000003	8760	0.027616
2719	12.07.2024	MOVS CONNECTED TO INLET	OUTLET HEADER MOV DOWNSTEAM	Flange	0.6	0.8	100	0.000003	8760	0.022560
2720	12.07.2024	MOVS CONNECTED TO INLET	OUTLET HEADER PSV UPSTEAM	Flange	0.5	0.8	100	0.000002	8760	0.019846
2721	12.07.2024	MOVS CONNECTED TO INLET	OUTLET HEADER PSV DOWNSTEAM	Flange	0.4	0.8	100	0.000002	8760	0.016965
2722	12.07.2024	MOVS CONNECTED TO INLET	STREAM HOV - 1 UPSTEAM	Flange	1.2	0.8	100	0.000004	8760	0.036725
2723	12.07.2024	MOVS CONNECTED TO INLET	STREAM HOV - 1 DOWNSTEAM	Flange	0.9	0.8	100	0.000003	8760	0.030000
2724	12.07.2024	MOVS CONNECTED TO INLET	STREAM HOV - 2 UPSTEAM	Flange	0.8	0.8	100	0.000003	8760	0.027616
2725	12.07.2024	MOVS CONNECTED TO INLET	STREAM HOV - 2 DOWNSTEAM	Flange	0.6	0.8	100	0.000003	8760	0.022560
2726	12.07.2024	MS TANK NO 12 TANK TOP	RIM SEAL EAST	Flange	0.5	0.8	100	0.000002	8760	0.019846
2727	12.07.2024	MS TANK NO 12 TANK TOP	RIM SEAL WEST	Flange	1.2	0.8	100	0.000004	8760	0.036725
2728	12.07.2024	MS TANK NO 12 TANK TOP	RIM SEAL NORTH	Flange	1.1	0.8	100	0.000004	8760	0.034546
2729	12.07.2024	MS TANK NO 12 TANK TOP	RIM SEAL SOUTH	Flange	0.9	0.8	100	0.000003	8760	0.030000
2730	12.07.2024	MS TANK NO 12 TANK TOP	DIPHATCH	Flange	1.2	0.8	100	0.000004	8760	0.036725
2731	12.07.2024	MS TANK AREA 13 INSIDE DYKE	RECIRCULATION MOV UPSTEAM	Flange	0.8	0.8	100	0.000003	8760	0.027616
2732	12.07.2024	MS TANK AREA 13 INSIDE DYKE	RECIRCULATION MOV DOWNSTEAM	Flange	0.6	0.8	100	0.000003	8760	0.022560
2733	12.07.2024	MS TANK AREA 13 INSIDE DYKE	RECIRCULATION BODY	Flange	1.2	0.8	100	0.000004	8760	0.036725
2734	12.07.2024	MS TANK AREA 13 INSIDE DYKE	INLET XZV 5057 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2735	12.07.2024	MS TANK AREA 13 INSIDE DYKE	INLET XZV 5057 DOWN STEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2736	12.07.2024	MS TANK AREA 13 INSIDE DYKE	MINIMUM FLOW HEADER MOV UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2737	12.07.2024	MS TANK AREA 13 INSIDE DYKE	MINIMUM FLOW HEADER MOV DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2738	12.07.2024	MS TANK AREA 13 INSIDE DYKE	SUMP DRAIN - 1 HOV 1 UPSTEAM	Flange	1.2	0.8	100	0.000004	8760	0.036725
2739	12.07.2024	MS TANK AREA 13 INSIDE DYKE	SUMP DRAIN - 1 HOV 1 DOWNSTEAM	Flange	0.9	0.8	100	0.000003	8760	0.030000
2740	12.07.2024	MS TANK AREA 13 INSIDE DYKE	SUMP DRAIN - 1 HOV 2 UPSTEAM	Flange	1.5	0.8	100	0.000005	8760	0.042962
2741	12.07.2024	MS TANK AREA 13 INSIDE DYKE	SUMP DRAIN - 1 HOV 2 DOWNSTEAM	Flange	2.5	0.8	100	0.000007	8760	0.061524

2742	12.07.2024	MS TANK AREA 13 INSIDE DYKE	SUMP DRAIN - 1 HOV 3 UPSTEAM	Flange	8.6	0.8	100	0.000017	8760	0.146638
2743	12.07.2024	MS TANK AREA 13 INSIDE DYKE	SUMP DRAIN - 1 HOV 3 DOWNSTEAM	Flange	8.9	0.8	100	0.000017	8760	0.150216
2744	12.07.2024	MS TANK AREA 13 INSIDE DYKE	SUMP DRAIN - 2 HOV 1 UPSTEAM	Flange	0.9	0.8	100	0.000003	8760	0.030000
2745	12.07.2024	MS TANK AREA 13 INSIDE DYKE	SUMP DRAIN - 2 HOV 1 DOWNSTEAM	Flange	0.8	0.8	100	0.000003	8760	0.027616
2746	12.07.2024	MS TANK AREA 13 INSIDE DYKE	SUMP DRAIN - 2 HOV 2 UPSTEAM	Flange	3.6	0.8	100	0.000009	8760	0.079502
2747	12.07.2024	MS TANK AREA 13 INSIDE DYKE	SUMP DRAIN - 2 HOV 2 DOWNSTEAM	Flange	2.8	0.8	100	0.000008	8760	0.066627
2748	12.07.2024	MS TANK AREA 13 INSIDE DYKE	SUMP DRAIN - 2 HOV 3 UPSTEAM	Flange	2.1	0.8	100	0.000006	8760	0.054427
2749	12.07.2024	MS TANK AREA 13 INSIDE DYKE	SUMP DRAIN - 2 HOV 3 DOWNSTEAM	Flange	1.8	0.8	100	0.000006	8760	0.048837
2750	12.07.2024	MS TANK AREA 13 INSIDE DYKE	SUMP DRAIN - 3 HOV 1 UPSTEAM	Flange	1.9	0.8	100	0.000006	8760	0.050729
2751	12.07.2024	MS TANK AREA 13 INSIDE DYKE	SUMP DRAIN - 3 HOV 1 DOWNSTEAM	Flange	8.1	0.8	100	0.000016	8760	0.140592
2752	12.07.2024	MS TANK AREA 13 INSIDE DYKE	SUMP DRAIN - 3 HOV 2 UPSTEAM	Flange	0.9	0.8	100	0.000003	8760	0.030000
2753	12.07.2024	MS TANK AREA 13 INSIDE DYKE	SUMP DRAIN - 3 HOV 2 DOWNSTEAM	Flange	1	0.8	100	0.000004	8760	0.032307
2754	12.07.2024	MS TANK AREA 13 INSIDE DYKE	SUMP DRAIN - 3 HOV 3 UPSTEAM	Flange	1.1	0.8	100	0.000004	8760	0.034546
2755	12.07.2024	MS TANK AREA 13 INSIDE DYKE	SUMP DRAIN - 3 HOV 3 DOWNSTEAM	Flange	1.1	0.8	100	0.000004	8760	0.034546
2756	12.07.2024	MS TANK AREA 13 INSIDE DYKE	SUMP DRAIN - 4 HOV 1 UPSTEAM	Flange	0.3	0.8	100	0.000002	8760	0.013858
2757	12.07.2024	MS TANK AREA 13 INSIDE DYKE	SUMP DRAIN - 4 HOV 1 DOWNSTEAM	Flange	1.2	0.8	100	0.000004	8760	0.036725
2758	12.07.2024	MS TANK AREA 13 INSIDE DYKE	SUMP DRAIN - 4 HOV 2 UPSTEAM	Flange	1.1	0.8	100	0.000004	8760	0.034546
2759	12.07.2024	MS TANK AREA 13 INSIDE DYKE	SUMP DRAIN - 4 HOV 2 DOWNSTEAM	Flange	0.8	0.8	100	0.000003	8760	0.027616
2760	12.07.2024	MS TANK AREA 13 INSIDE DYKE	SUMP DRAIN - 4 HOV 3 UPSTEAM	Flange	0.8	0.8	100	0.000003	8760	0.027616
2761	12.07.2024	MS TANK AREA 13 INSIDE DYKE	SUMP DRAIN - 4 HOV 3 DOWNSTEAM	Flange	1.1	0.8	100	0.000004	8760	0.034546
2762	12.07.2024	MS TANK AREA 13 INSIDE DYKE	PESSURE TRANSMITTER HOV UPSTEAM	Flange	2.1	0.8	100	0.000006	8760	0.054427
2763	12.07.2024	MS TANK AREA 13 INSIDE DYKE	PESSURE TRANSMITTER HOV DOWNSTEAM	Flange	2.1	0.8	100	0.000006	8760	0.054427
2764	12.07.2024	MS TANK AREA 13 INSIDE DYKE	MAN HOLE - 1	Flange	0.9	0.8	100	0.000003	8760	0.030000
2765	12.07.2024	MS TANK AREA 13 INSIDE DYKE	MAN HOLE - 2	Flange	0	0.8	100	0.000000	8760	0.000000
2766	12.07.2024	MS TANK AREA 13 INSIDE DYKE	MAN HOLE - 3	Flange	0	0.8	100	0.000000	8760	0.000000
2767	12.07.2024	MS TANK AREA 13 INSIDE DYKE	HEEL STRIPING MOV UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2768	12.07.2024	MS TANK AREA 13 INSIDE DYKE	HEEL STRIPING MOV DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2769	12.07.2024	MS TANK AREA 13 INSIDE DYKE	OUTLET XZV 5058 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2770	12.07.2024	MS TANK AREA 13 INSIDE DYKE	OUTLET XZV 5058 DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2771	12.07.2024	MS TANK AREA 13 INSIDE DYKE	CLEAN OUT DOOR	Flange	0.3	0.8	100	0.000002	8760	0.013858
2772	12.07.2024	OUT SIDE DYKE	INLET HEADER MOV UPSTEAM	Flange	0.2	0.8	100	0.000001	8760	0.010421
2773	12.07.2024	OUT SIDE DYKE	INLET HEADER MOV DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2774	12.07.2024	OUT SIDE DYKE	INLET HEADER PSV UPSTEAM	Flange	0.5	0.8	100	0.000002	8760	0.019846
2775	12.07.2024	OUT SIDE DYKE	INLET HEADER PSV DOWNSTEAM	Flange	0.6	0.8	100	0.000003	8760	0.022560
2776	12.07.2024	OUT SIDE DYKE	STREAM HOV - 1 UPSTEAM	Flange	0.8	0.8	100	0.000003	8760	0.027616
2777	12.07.2024	OUT SIDE DYKE	STREAM HOV - 1 DOWNSTEAM	Flange	1.1	0.8	100	0.000004	8760	0.034546
2778	12.07.2024	OUT SIDE DYKE	STREAM HOV - 2 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2779	12.07.2024	OUT SIDE DYKE	STREAM HOV - 2 DOWNSTEAM	Flange	0.8	0.8	100	0.000003	8760	0.027616
2780	12.07.2024	MOVS CONNECTED TO INLET	MOV - 1 UPSTEAM	Flange	1.2	0.8	100	0.000004	8760	0.036725
2781	12.07.2024	MOVS CONNECTED TO INLET	MOV - 1 DOWNSTEAM	Flange	0.9	0.8	100	0.000003	8760	0.030000
2782	12.07.2024	MOVS CONNECTED TO INLET	MS PREMIUMUM FROM MS BLENDING UPSTEAM	Flange	0.8	0.8	100	0.000003	8760	0.027616
2783	12.07.2024	MOVS CONNECTED TO INLET	MS PREMIUMUM FROM MS BLENDING DOWNSTEAM	Flange	1.2	0.8	100	0.000004	8760	0.036725
2784	12.07.2024	MOVS CONNECTED TO INLET	MINIMUM FLOW HEADER MOV UPSTEAM	Flange	0.9	0.8	100	0.000003	8760	0.030000
2785	12.07.2024	MOVS CONNECTED TO INLET	MINIMUM FLOW HEADER MOV DOWNSTEAM	Flange	1.2	0.8	100	0.000004	8760	0.036725
2786	12.07.2024	MOVS CONNECTED TO INLET	ITT HEADER HOV UPSTEAM	Flange	1.3	0.8	100	0.000004	8760	0.038851
2787	12.07.2024	MOVS CONNECTED TO INLET	ITT HEADER HOV DOWNSTEAM	Flange	1.1	0.8	100	0.000004	8760	0.034546
2788	12.07.2024	MOVS CONNECTED TO INLET	RECIRCULATION MOV UPSTEAM	Flange	1.2	0.8	100	0.000004	8760	0.036725
2789	12.07.2024	MOVS CONNECTED TO INLET	RECIRCULATION MOV DOWN STEAM	Flange	1.4	0.8	100	0.000005	8760	0.040928
2790	12.07.2024	MOVS CONNECTED TO INLET	MFA FROM DUSING SKIT MOV UPSTEAM	Flange	0.9	0.8	100	0.000003	8760	0.030000
2791	12.07.2024	MOVS CONNECTED TO INLET	MFA FROM DUSING SKIT MOV DOWNSTEAM	Flange	0.2	0.8	100	0.000001	8760	0.010421
2792	12.07.2024	MOVS CONNECTED TO INLET	OUTLET HEADER MOV UPSTEAM	Flange	1.1	0.8	100	0.000004	8760	0.034546
2793	12.07.2024	MOVS CONNECTED TO INLET	OUTLET HEADER MOV DOWNSTEAM	Flange	1.5	0.8	100	0.000005	8760	0.042962
2794	12.07.2024	MOVS CONNECTED TO INLET	OUTLET HEADER PSV UPSTEAM	Flange	0.9	0.8	100	0.000003	8760	0.030000
2795	12.07.2024	MOVS CONNECTED TO INLET	OUTLET HEADER PSV DOWNSTEAM	Flange	0.8	0.8	100	0.000003	8760	0.027616
2796	12.07.2024	MOVS CONNECTED TO INLET	STREAM HOV - 1 UPSTEAM	Flange	1	0.8	100	0.000004	8760	0.032307
2797	12.07.2024	MOVS CONNECTED TO INLET	STREAM HOV - 1 DOWNSTEAM	Flange	0.9	0.8	100	0.000003	8760	0.030000
2798	12.07.2024	MOVS CONNECTED TO INLET	STREAM HOV - 2 UPSTEAM	Flange	0.5	0.8	100	0.000002	8760	0.019846
2799	12.07.2024	MOVS CONNECTED TO INLET	STREAM HOV - 2 DOWNSTEAM	Flange	0.6	0.8	100	0.000003	8760	0.022560
2800	12.07.2024	MS TANK NO 13 TANK TOP	RIM SEAL EAST	Flange	0.1	0.8	100	0.000001	8760	0.006402
2801	12.07.2024	MS TANK NO 13 TANK TOP	RIM SEAL WEST	Flange	0.3	0.8	100	0.000002	8760	0.013858
2802	12.07.2024	MS TANK NO 13 TANK TOP	RIM SEAL NORTH	Flange	0.2	0.8	100	0.000001	8760	0.010421
2803	12.07.2024	MS TANK NO 13 TANK TOP	RIM SEAL SOUTH	Flange	1	0.8	100	0.000004	8760	0.032307
2804	12.07.2024	MS TANK NO 13 TANK TOP	DIPHATCH	Flange	1.2	0.8	100	0.000004	8760	0.036725
2805	12.07.2024	MS TANK AREA 14 INSIDE DYKE	RECIRCULATION MOV UPSTEAM	Flange	0.9	0.8	100	0.000003	8760	0.030000
2806	12.07.2024	MS TANK AREA 14 INSIDE DYKE	RECIRCULATION MOV DOWNSTEAM	Flange	0.2	0.8	100	0.000001	8760	0.010421
2807	12.07.2024	MS TANK AREA 14 INSIDE DYKE	RECIRCULATION BODY	Flange	0	0.8	100	0.000000	8760	0.000000
2808	12.07.2024	MS TANK AREA 14 INSIDE DYKE	INLET XZV UPSTEAM 5059	Flange	0	0.8	100	0.000000	8760	0.000000
2809	12.07.2024	MS TANK AREA 14 INSIDE DYKE	INLET XZV DOWN STEAM 5059	Flange	0.3	0.8	100	0.000002	8760	0.013858
2810	12.07.2024	MS TANK AREA 14 INSIDE DYKE	MINIMUM FLOW HEADER MOV UPSTEAM	Flange	0.3	0.8	100	0.000002	8760	0.013858
2811	12.07.2024	MS TANK AREA 14 INSIDE DYKE	MINIMUM FLOW HEADER MOV DOWNSTEAM	Flange	0.4	0.8	100	0.000002	8760	0.016965
2812	12.07.2024	MS TANK AREA 14 INSIDE DYKE	SUMP DRAIN - 1 HOV 1 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2813	12.07.2024	MS TANK AREA 14 INSIDE DYKE	SUMP DRAIN - 1 HOV 1 DOWNSTEAM	Flange	0.2	0.8	100	0.000001	8760	0.010421

2814	12.07.2024	MS TANK AREA 14 INSIDE DYKE	SUMP DRAIN - 1 HOV 2 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2815	12.07.2024	MS TANK AREA 14 INSIDE DYKE	SUMP DRAIN - 1 HOV 2 DOWNSTEAM	Flange	0.5	0.8	100	0.000002	8760	0.019846
2816	12.07.2024	MS TANK AREA 14 INSIDE DYKE	SUMP DRAIN - 1 HOV 3 UPSTEAM	Flange	0.2	0.8	100	0.000001	8760	0.010421
2817	12.07.2024	MS TANK AREA 14 INSIDE DYKE	SUMP DRAIN - 1 HOV 3 DOWNSTEAM	Flange	0.7	0.8	100	0.000003	8760	0.025142
2818	12.07.2024	MS TANK AREA 14 INSIDE DYKE	SUMP DRAIN - 2 HOV 1 UPSTEAM	Flange	0.5	0.8	100	0.000002	8760	0.019846
2819	12.07.2024	MS TANK AREA 14 INSIDE DYKE	SUMP DRAIN - 2 HOV 1 DOWNSTEAM	Flange	1.2	0.8	100	0.000004	8760	0.036725
2820	12.07.2024	MS TANK AREA 14 INSIDE DYKE	SUMP DRAIN - 2 HOV 2 UPSTEAM	Flange	0.9	0.8	100	0.000003	8760	0.030000
2821	12.07.2024	MS TANK AREA 14 INSIDE DYKE	SUMP DRAIN - 2 HOV 2 DOWNSTEAM	Flange	0.8	0.8	100	0.000003	8760	0.027616
2822	12.07.2024	MS TANK AREA 14 INSIDE DYKE	SUMP DRAIN - 2 HOV 3 UPSTEAM	Flange	1.2	0.8	100	0.000004	8760	0.036725
2823	12.07.2024	MS TANK AREA 14 INSIDE DYKE	SUMP DRAIN - 2 HOV 3 DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2824	12.07.2024	MS TANK AREA 14 INSIDE DYKE	SUMP DRAIN - 3 HOV 1 UPSTEAM	Flange	0.3	0.8	100	0.000002	8760	0.013858
2825	12.07.2024	MS TANK AREA 14 INSIDE DYKE	SUMP DRAIN - 3 HOV 1 DOWNSTEAM	Flange	0.4	0.8	100	0.000002	8760	0.016965
2826	12.07.2024	MS TANK AREA 14 INSIDE DYKE	SUMP DRAIN - 3 HOV 2 UPSTEAM	Flange	0.9	0.8	100	0.000003	8760	0.030000
2827	12.07.2024	MS TANK AREA 14 INSIDE DYKE	SUMP DRAIN - 3 HOV 2 DOWNSTEAM	Flange	1.2	0.8	100	0.000004	8760	0.036725
2828	12.07.2024	MS TANK AREA 14 INSIDE DYKE	SUMP DRAIN - 3 HOV 3 UPSTEAM	Flange	0.9	0.8	100	0.000003	8760	0.030000
2829	12.07.2024	MS TANK AREA 14 INSIDE DYKE	SUMP DRAIN - 3 HOV 3 DOWNSTEAM	Flange	1.1	0.8	100	0.000004	8760	0.034546
2830	12.07.2024	MS TANK AREA 14 INSIDE DYKE	SUMP DRAIN - 4 HOV 1 UPSTEAM	Flange	0.9	0.8	100	0.000003	8760	0.030000
2831	12.07.2024	MS TANK AREA 14 INSIDE DYKE	SUMP DRAIN - 4 HOV 1 DOWNSTEAM	Flange	1.2	0.8	100	0.000004	8760	0.036725
2832	12.07.2024	MS TANK AREA 14 INSIDE DYKE	SUMP DRAIN - 4 HOV 2 UPSTEAM	Flange	0.9	0.8	100	0.000003	8760	0.030000
2833	12.07.2024	MS TANK AREA 14 INSIDE DYKE	SUMP DRAIN - 4 HOV 2 DOWNSTEAM	Flange	0.8	0.8	100	0.000003	8760	0.027616
2834	12.07.2024	MS TANK AREA 14 INSIDE DYKE	SUMP DRAIN - 4 HOV 3 UPSTEAM	Flange	1.2	0.8	100	0.000004	8760	0.036725
2835	12.07.2024	MS TANK AREA 14 INSIDE DYKE	SUMP DRAIN - 4 HOV 3 DOWNSTEAM	Flange	0.9	0.8	100	0.000003	8760	0.030000
2836	12.07.2024	MS TANK AREA 14 INSIDE DYKE	PESSURE TRANSMITTER HOV UPSTEAM	Flange	1.2	0.8	100	0.000004	8760	0.036725
2837	12.07.2024	MS TANK AREA 14 INSIDE DYKE	PESSURE TRANSMITTER HOV DOWNSTEAM	Flange	0.9	0.8	100	0.000003	8760	0.030000
2838	12.07.2024	MS TANK AREA 14 INSIDE DYKE	MAN HOLE - 1	Flange	1	0.8	100	0.000004	8760	0.032307
2839	12.07.2024	MS TANK AREA 14 INSIDE DYKE	MAN HOLE - 2	Flange	1.2	0.8	100	0.000004	8760	0.036725
2840	12.07.2024	MS TANK AREA 14 INSIDE DYKE	MAN HOLE - 3	Flange	1.3	0.8	100	0.000004	8760	0.038851
2841	12.07.2024	MS TANK AREA 14 INSIDE DYKE	HEEL STRPING MOV UPSTEAM	Flange	1.4	0.8	100	0.000005	8760	0.040928
2842	12.07.2024	MS TANK AREA 14 INSIDE DYKE	HEEL STRPING MOV DOWNSTEAM	Flange	0.5	0.8	100	0.000002	8760	0.019846
2843	12.07.2024	MS TANK AREA 14 INSIDE DYKE	OUTLET XZV UPSTEAM	Flange	0.6	0.8	100	0.000003	8760	0.022560
2844	12.07.2024	MS TANK AREA 14 INSIDE DYKE	OUTLET XZV DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2845	12.07.2024	MS TANK AREA 14 INSIDE DYKE	CLEAN OUT DOOR	Flange	0	0.8	100	0.000000	8760	0.000000
2846	12.07.2024	OUT SIDE DYKE	INLET HEADER MOV UPSTEAM	Flange	0.8	0.8	100	0.000003	8760	0.027616
2847	12.07.2024	OUT SIDE DYKE	INLET HEADER MOV DOWNSTEAM	Flange	1	0.8	100	0.000004	8760	0.032307
2848	12.07.2024	OUT SIDE DYKE	INLET HEADER PSV UPSTEAM	Flange	0.9	0.8	100	0.000003	8760	0.030000
2849	12.07.2024	OUT SIDE DYKE	INLET HEADER PSV DOWNSTEAM	Flange	1	0.8	100	0.000004	8760	0.032307
2850	12.07.2024	OUT SIDE DYKE	STREAM HOV - 1 UPSTEAM	Flange	1	0.8	100	0.000004	8760	0.032307
2851	12.07.2024	OUT SIDE DYKE	STREAM HOV - 1 DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2852	12.07.2024	OUT SIDE DYKE	STREAM HOV - 2 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2853	12.07.2024	OUT SIDE DYKE	STREAM HOV - 2 DOWNSTEAM	Flange	0.2	0.8	100	0.000001	8760	0.010421
2854	12.07.2024	MOVS CONNECTED TO INLET	MOV - 1 UPSTEAM	Flange	0.3	0.8	100	0.000002	8760	0.013858
2855	12.07.2024	MOVS CONNECTED TO INLET	MOV - 1 DOWNSTEAM	Flange	0.4	0.8	100	0.000002	8760	0.016965
2856	12.07.2024	MOVS CONNECTED TO INLET	MS PREMIUMUM FROM MS BLENDING UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2857	12.07.2024	MOVS CONNECTED TO INLET	MS PREMIUMUM FROM MS BLENDING DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2858	12.07.2024	MOVS CONNECTED TO INLET	MINIMUM FLOW HEADER MOV UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2859	12.07.2024	MOVS CONNECTED TO INLET	MINIMUM FLOW HEADER MOV DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2860	12.07.2024	MOVS CONNECTED TO INLET	ITT HEADER HOV UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2861	12.07.2024	MOVS CONNECTED TO INLET	ITT HEADER HOV DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2862	12.07.2024	MOVS CONNECTED TO INLET	RECIRCULATION MOV UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2863	12.07.2024	MOVS CONNECTED TO INLET	RECIRCULATION MOV DOWN STEAM	Flange	0.2	0.8	100	0.000001	8760	0.010421
2864	12.07.2024	MOVS CONNECTED TO INLET	MPA FROM DOSING SKIT MOV UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2865	12.07.2024	MOVS CONNECTED TO INLET	MPA FROM DOSING SKIT MOV DOWNSTEAM	Flange	0.2	0.8	100	0.000001	8760	0.010421
2866	12.07.2024	MOVS CONNECTED TO INLET	OUTLET HEADER MOV UPSTEAM	Flange	0.1	0.8	100	0.000001	8760	0.006402
2867	12.07.2024	MOVS CONNECTED TO INLET	OUTLET HEADER MOV DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2868	12.07.2024	MOVS CONNECTED TO INLET	OUTLET HEADER PSV UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2869	12.07.2024	MOVS CONNECTED TO INLET	OUTLET HEADER PSV DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2870	12.07.2024	MOVS CONNECTED TO INLET	STREAM HOV - 1 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2871	12.07.2024	MOVS CONNECTED TO INLET	STREAM HOV - 1 DOWNSTEAM	Flange	0.1	0.8	100	0.000001	8760	0.006402
2872	12.07.2024	MOVS CONNECTED TO INLET	STREAM HOV - 2 UPSTEAM	Flange	0.2	0.8	100	0.000001	8760	0.010421
2873	12.07.2024	MOVS CONNECTED TO INLET	STREAM HOV - 2 DOWNSTEAM	Flange	0.1	0.8	100	0.000001	8760	0.006402
2874	12.07.2024	MS TANK NO 14 TANK TOP	RIM SEAL EAST	Flange	0.3	0.8	100	0.000002	8760	0.013858
2875	12.07.2024	MS TANK NO 14 TANK TOP	RIM SEAL WEST	Flange	0.2	0.8	100	0.000001	8760	0.010421
2876	12.07.2024	MS TANK NO 14 TANK TOP	RIM SEAL NORTH	Flange	0.9	0.8	100	0.000003	8760	0.030000
2877	12.07.2024	MS TANK NO 14 TANK TOP	RIM SEAL SOUTH	Flange	1	0.8	100	0.000004	8760	0.032307
2878	12.07.2024	MS TANK NO 14 TANK TOP	DIPHATCH	Flange	0.8	0.8	100	0.000003	8760	0.027616
2879	12.07.2024	MSR TANK NO 8 INSIDE DYKE	RECIRCULATION MOV UPSTEAM	Flange	1	0.8	100	0.000004	8760	0.032307
2880	12.07.2024	MSR TANK NO 8 INSIDE DYKE	RECIRCULATION MOV DOWNSTEAM	Flange	0.8	0.8	100	0.000003	8760	0.027616
2881	12.07.2024	MSR TANK NO 8 INSIDE DYKE	INLET XZV 5088 UPSTEAM	Flange	1.2	0.8	100	0.000004	8760	0.036725
2882	12.07.2024	MSR TANK NO 8 INSIDE DYKE	INLET XZV 5088 DOWN STEAM	Flange	0.9	0.8	100	0.000003	8760	0.030000
2883	12.07.2024	MSR TANK NO 8 INSIDE DYKE	SUMP DRAIN - 1 HOV 1 UPSTEAM	Flange	0.5	0.8	100	0.000002	8760	0.019846
2884	12.07.2024	MSR TANK NO 8 INSIDE DYKE	SUMP DRAIN - 1 HOV 1 DOWNSTEAM	Flange	0.6	0.8	100	0.000003	8760	0.022560
2885	12.07.2024	MSR TANK NO 8 INSIDE DYKE	SUMP DRAIN - 1 HOV 2 UPSTEAM	Flange	0.6	0.8	100	0.000003	8760	0.022560

2886	12.07.2024	MSR TANK NO 8 INSIDE DYKE	SUMP DRAIN - 1 HOV 2 DOWNSTEAM	Flange	0.5	0.8	100	0.000002	8760	0.019846
2887	12.07.2024	MSR TANK NO 8 INSIDE DYKE	SUMP DRAIN - 1 HOV 3 UPSTEAM	Flange	0.3	0.8	100	0.000002	8760	0.013858
2888	12.07.2024	MSR TANK NO 8 INSIDE DYKE	SUMP DRAIN - 1 HOV 3 DOWNSTEAM	Flange	0.1	0.8	100	0.000001	8760	0.006402
2889	12.07.2024	MSR TANK NO 8 INSIDE DYKE	SUMP DRAIN - 2 HOV 1 UPSTEAM	Flange	0.2	0.8	100	0.000001	8760	0.010421
2890	12.07.2024	MSR TANK NO 8 INSIDE DYKE	SUMP DRAIN - 2 HOV 1 DOWNSTEAM	Flange	0.4	0.8	100	0.000002	8760	0.016965
2891	12.07.2024	MSR TANK NO 8 INSIDE DYKE	SUMP DRAIN - 2 HOV 2 UPSTEAM	Flange	0.3	0.8	100	0.000002	8760	0.013858
2892	12.07.2024	MSR TANK NO 8 INSIDE DYKE	SUMP DRAIN - 2 HOV 2 DOWNSTEAM	Flange	0.4	0.8	100	0.000002	8760	0.016965
2893	12.07.2024	MSR TANK NO 8 INSIDE DYKE	SUMP DRAIN - 2 HOV 3 UPSTEAM	Flange	0.5	0.8	100	0.000002	8760	0.019846
2894	12.07.2024	MSR TANK NO 8 INSIDE DYKE	SUMP DRAIN - 2 HOV 3 DOWNSTEAM	Flange	0.6	0.8	100	0.000003	8760	0.022560
2895	12.07.2024	MSR TANK NO 8 INSIDE DYKE	SUMP DRAIN - 3 HOV 1 UPSTEAM	Flange	0.1	0.8	100	0.000001	8760	0.006402
2896	12.07.2024	MSR TANK NO 8 INSIDE DYKE	SUMP DRAIN - 3 HOV 1 DOWNSTEAM	Flange	0.3	0.8	100	0.000002	8760	0.013858
2897	12.07.2024	MSR TANK NO 8 INSIDE DYKE	SUMP DRAIN - 3 HOV 2 UPSTEAM	Flange	0.4	0.8	100	0.000002	8760	0.016965
2898	12.07.2024	MSR TANK NO 8 INSIDE DYKE	SUMP DRAIN - 3 HOV 2 DOWNSTEAM	Flange	1	0.8	100	0.000004	8760	0.032307
2899	12.07.2024	MSR TANK NO 8 INSIDE DYKE	SUMP DRAIN - 3 HOV 3 UPSTEAM	Flange	1.5	0.8	100	0.000005	8760	0.042962
2900	12.07.2024	MSR TANK NO 8 INSIDE DYKE	SUMP DRAIN - 3 HOV 3 DOWNSTEAM	Flange	1.6	0.8	100	0.000005	8760	0.044956
2901	12.07.2024	MSR TANK NO 8 INSIDE DYKE	SUMP DRAIN - 4 HOV 1 UPSTEAM	Flange	1.2	0.8	100	0.000004	8760	0.036725
2902	12.07.2024	MSR TANK NO 8 INSIDE DYKE	SUMP DRAIN - 4 HOV 1 DOWNSTEAM	Flange	0.9	0.8	100	0.000003	8760	0.030000
2903	12.07.2024	MSR TANK NO 8 INSIDE DYKE	SUMP DRAIN - 4 HOV 2 UPSTEAM	Flange	0.2	0.8	100	0.000001	8760	0.010421
2904	12.07.2024	MSR TANK NO 8 INSIDE DYKE	SUMP DRAIN - 4 HOV 2 DOWNSTEAM	Flange	0.3	0.8	100	0.000002	8760	0.013858
2905	12.07.2024	MSR TANK NO 8 INSIDE DYKE	SUMP DRAIN - 4 HOV 3 UPSTEAM	Flange	0.4	0.8	100	0.000002	8760	0.016965
2906	12.07.2024	MSR TANK NO 8 INSIDE DYKE	SUMP DRAIN - 4 HOV 3 DOWNSTEAM	Flange	0.1	0.8	100	0.000001	8760	0.006402
2907	12.07.2024	MSR TANK NO 8 INSIDE DYKE	PESSURE TRANSMITTER HOV	Flange	0.2	0.8	100	0.000001	8760	0.010421
2908	12.07.2024	MSR TANK NO 8 INSIDE DYKE	PESSURE TRANSMITTER HOV DOWN TEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2909	12.07.2024	MSR TANK NO 8 INSIDE DYKE	MAN HOLE - 1	Flange	0	0.8	100	0.000000	8760	0.000000
2910	12.07.2024	MSR TANK NO 8 INSIDE DYKE	MAN HOLE - 2	Flange	0	0.8	100	0.000000	8760	0.000000
2911	12.07.2024	MSR TANK NO 8 INSIDE DYKE	MAN HOLE - 3	Flange	0	0.8	100	0.000000	8760	0.000000
2912	12.07.2024	MSR TANK NO 8 INSIDE DYKE	HEEL STRPING MOV UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2913	12.07.2024	MSR TANK NO 8 INSIDE DYKE	HEEL STRPING MOV DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2914	12.07.2024	MSR TANK NO 8 INSIDE DYKE	OUTLET XZV 5056 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2915	12.07.2024	MSR TANK NO 8 INSIDE DYKE	OUTLET XZV DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2916	12.07.2024	MSR TANK NO 8 INSIDE DYKE	CLEAN OUT DOOR	Flange	0.3	0.8	100	0.000002	8760	0.013858
2917	12.07.2024	MSR TANK NO 8 INSIDE DYKE	INLET HEADER MOV UPSTEAM	Flange	0.4	0.8	100	0.000002	8760	0.016965
2918	12.07.2024	MSR TANK NO 8 INSIDE DYKE	INLET HEADER MOV DOWNSTEAM	Flange	0.6	0.8	100	0.000003	8760	0.022560
2919	12.07.2024	MSR TANK NO 8 INSIDE DYKE	INLET HEADER MOV 1 UPSTEAM	Flange	0.7	0.8	100	0.000003	8760	0.025142
2920	12.07.2024	MSR TANK NO 8 INSIDE DYKE	INLET HEADER MOV 1 DOWNSTEAM	Flange	0.3	0.8	100	0.000002	8760	0.013858
2921	12.07.2024	MSR TANK NO 8 INSIDE DYKE	INLET HEADER MOV 2 UPSTEAM	Flange	0.2	0.8	100	0.000001	8760	0.010421
2922	12.07.2024	MSR TANK NO 8 INSIDE DYKE	INLET HEADER MOV 2 DOWNSTEAM	Flange	0.1	0.8	100	0.000001	8760	0.006402
2923	12.07.2024	MSR TANK NO 8 INSIDE DYKE	INLET HEADER MOV 3 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2924	12.07.2024	MSR TANK NO 8 INSIDE DYKE	INLET HEADER MOV 3 DOWNSTEAM	Flange	0.3	0.8	100	0.000002	8760	0.013858
2925	12.07.2024	MSR TANK NO 8 INSIDE DYKE	MINIMUM FLOW HEADER MOV	Flange	0.2	0.8	100	0.000001	8760	0.010421
2926	12.07.2024	MSR TANK NO 8 INSIDE DYKE	MINIMUM FLOW HEADER MOV DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2927	12.07.2024	MSR TANK NO 8 INSIDE DYKE	RECIRCULATION HEADER MOV 1 UPSTEAM	Flange	0.2	0.8	100	0.000001	8760	0.010421
2928	12.07.2024	MSR TANK NO 8 INSIDE DYKE	RECIRCULATION HEADER MOV 1 DOWNSTEAM	Flange	0.1	0.8	100	0.000001	8760	0.006402
2929	12.07.2024	MSR TANK NO 8 INSIDE DYKE	RECIRCULATION HEADER MOV 2 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2930	12.07.2024	MSR TANK NO 8 INSIDE DYKE	RECIRCULATION HEADER MOV 2 DOWNSTEAM	Flange	0.2	0.8	100	0.000001	8760	0.010421
2931	12.07.2024	MSR TANK NO 8 INSIDE DYKE	RECIRCULATION HEADER MOV 3 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2932	12.07.2024	MSR TANK NO 8 INSIDE DYKE	RECIRCULATION HEADER MOV 3 DOWNSTEAM	Flange	0.6	0.8	100	0.000003	8760	0.022560
2933	12.07.2024	MSR TANK NO 8 INSIDE DYKE	OUTLET HEADER MOV UPSTEAM	Flange	0.8	0.8	100	0.000003	8760	0.027616
2934	12.07.2024	MSR TANK NO 8 INSIDE DYKE	OUTLET HEADER MOV DOWNSTEAM	Flange	1.2	0.8	100	0.000004	8760	0.036725
2935	12.07.2024	MSR TANK NO 8 INSIDE DYKE	PUMP 04 AB SUCTION HEADER UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2936	12.07.2024	MSR TANK NO 8 INSIDE DYKE	PUMP 04 AB SUCTION HEADER DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2937	12.07.2024	MSR TANK NO 8 INSIDE DYKE	PUMP 25 AB 1 SUCTION HEADER UPSTEAM	Flange	0.2	0.8	100	0.000001	8760	0.010421
2938	12.07.2024	MSR TANK NO 8 INSIDE DYKE	PUMP 25 AB 1 AB SUCTION HEADER DOWNSTEAM	Flange	0.1	0.8	100	0.000001	8760	0.006402
2939	12.07.2024	MSR TANK NO 8 INSIDE DYKE	PUMP 25 AB 2 SUCTION HEADER UPSTEAM	Flange	0.8	0.8	100	0.000003	8760	0.027616
2940	12.07.2024	MSR TANK NO 8 INSIDE DYKE	PUMP 25 AB 2 AB SUCTION HEADER DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2941	12.07.2024	MSR TANK NO 8 INSIDE DYKE	PUMP 03 ABC SUCTION HEADER UPSTEAM	Flange	0.3	0.8	100	0.000002	8760	0.013858
2942	12.07.2024	MSR TANK NO 8 INSIDE DYKE	PUMP 03 ABC SUCTION HEADER DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2943	12.07.2024	MSR TANK NO 8 INSIDE DYKE	MS REGULAR FROM NAPTHA END	Flange	0.1	0.8	100	0.000001	8760	0.006402
2944	12.07.2024	MSR TANK NO 8 INSIDE DYKE	INLET HEADER PSV UPSTEAM	Flange	0.3	0.8	100	0.000002	8760	0.013858
2945	12.07.2024	MSR TANK NO 8 INSIDE DYKE	INLET HEADER PSV DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2946	12.07.2024	MSR TANK NO 8 INSIDE DYKE	STREAM HOV - 1 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2947	12.07.2024	MSR TANK NO 8 INSIDE DYKE	STREAM HOV - 1 DOWNSTEAM	Flange	0.1	0.8	100	0.000001	8760	0.006402
2948	12.07.2024	MSR TANK NO 8 INSIDE DYKE	STREAM HOV - 2 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2949	12.07.2024	MSR TANK NO 8 INSIDE DYKE	STREAM HOV - 2 DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2950	12.07.2024	MSR TANK NO 8 INSIDE DYKE	OUTLET HEADER PSV UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2951	12.07.2024	MSR TANK NO 8 INSIDE DYKE	OUTLET HEADER PSV DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2952	12.07.2024	MSR TANK NO 8 INSIDE DYKE	STREAM HOV - 1 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2953	12.07.2024	MSR TANK NO 8 INSIDE DYKE	STREAM HOV - 1 DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2954	12.07.2024	MSR TANK NO 8 INSIDE DYKE	OTHER PSVS	Flange	0	0.8	100	0.000000	8760	0.000000
2955	12.07.2024	MSR TANK NO 8 INSIDE DYKE	OTHER PSVS	Flange	0.2	0.8	100	0.000001	8760	0.010421
2956	12.07.2024	MSR TANK NO 8 INSIDE DYKE	OTHER PSVS	Flange	0	0.8	100	0.000000	8760	0.000000
2957	12.07.2024	MSR TANK NO 8 INSIDE DYKE	OTHER PSVS	Flange	0	0.8	100	0.000000	8760	0.000000

2958	12.07.2024	MSR TANK NO 8 INSIDE DYKE	OTHER PSVS	Flange	0	0.8	100	0.000000	8760	0.000000
2959	12.07.2024	MSR TANK NO 8 INSIDE DYKE	OTHER PSVS	Flange	0	0.8	100	0.000000	8760	0.000000
2960	12.07.2024	MSR TANK NO 8 INSIDE DYKE	OTHER PSVS	Flange	0	0.8	100	0.000000	8760	0.000000
2961	12.07.2024	MSR TANK NO 8 INSIDE DYKE	OTHER PSVS	Flange	0	0.8	100	0.000000	8760	0.000000
2962	12.07.2024	MSR TANK NO 8 INSIDE DYKE	OTHER PSVS	Flange	0	0.8	100	0.000000	8760	0.000000
2963	12.07.2024	MSR TANK NO 8 INSIDE DYKE	OTHER PSVS	Flange	0.1	0.8	100	0.000001	8760	0.006402
2964	12.07.2024	MSR TANK NO 8 INSIDE DYKE	STREAM HOVS	Flange	0	0.8	100	0.000000	8760	0.000000
2965	12.07.2024	MSR TANK NO 8 INSIDE DYKE	STREAM HOVS	Flange	0	0.8	100	0.000000	8760	0.000000
2966	12.07.2024	MSR TANK NO 8 INSIDE DYKE	STREAM HOVS	Flange	0.2	0.8	100	0.000001	8760	0.010421
2967	12.07.2024	MSR TANK NO 8 INSIDE DYKE	STREAM HOVS	Flange	0	0.8	100	0.000000	8760	0.000000
2968	12.07.2024	MSR TANK NO 8 INSIDE DYKE	STREAM HOVS	Flange	0	0.8	100	0.000000	8760	0.000000
2969	12.07.2024	MSR TANK NO 8 INSIDE DYKE	STREAM HOVS	Flange	0	0.8	100	0.000000	8760	0.000000
2970	12.07.2024	MSR TANK NO 8 INSIDE DYKE	STREAM HOVS	Flange	0	0.8	100	0.000000	8760	0.000000
2971	12.07.2024	MSR TANK NO 8 INSIDE DYKE	STREAM HOVS	Flange	0	0.8	100	0.000000	8760	0.000000
2972	12.07.2024	MSR TANK NO 8 INSIDE DYKE	STREAM HOVS	Flange	0.2	0.8	100	0.000001	8760	0.010421
2973	12.07.2024	MSR TANK NO 8 INSIDE DYKE	STREAM HOVS	Flange	0.4	0.8	100	0.000002	8760	0.016965
2974	12.07.2024	MSR TANK NO 8 TANK TOP	RIM SEAL EAST	Flange	0.6	0.8	100	0.000003	8760	0.022560
2975	12.07.2024	MSR TANK NO 8 TANK TOP	RIM SEAL WEST	Flange	0.5	0.8	100	0.000002	8760	0.019846
2976	12.07.2024	MSR TANK NO 8 TANK TOP	RIM SEAL NORTH	Flange	0	0.8	100	0.000000	8760	0.000000
2977	12.07.2024	MSR TANK NO 8 TANK TOP	RIM SEAL SOUTH	Flange	0.3	0.8	100	0.000002	8760	0.013858
2978	12.07.2024	MSR TANK NO 8 TANK TOP	DIPHATCH	Flange	0.2	0.8	100	0.000001	8760	0.010421
2979	12.07.2024	MS DOSING TANK 205-TK-100	OUTLET HOV UP STEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2980	12.07.2024	MS DOSING TANK 205-TK-100	OUTLET HOV DOWN STEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2981	12.07.2024	MS DOSING TANK 205-TK-100	INLET HOV UP STEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2982	12.07.2024	MS DOSING TANK 205-TK-100	INLET HOV DOWN STEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2983	12.07.2024	MS DOSING TANK 205-TK-100	LEVEL GAUGE HOV 1 UP STEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2984	12.07.2024	MS DOSING TANK 205-TK-100	LEVEL GAUGE HOV 1DOWN STEAM	Flange	0.1	0.8	100	0.000001	8760	0.006402
2985	12.07.2024	MS DOSING TANK 205-TK-100	LEVEL GAUGE HOV 2 UP STEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2986	12.07.2024	MS DOSING TANK 205-TK-100	LEVEL GAUGE HOV 2 DOWN STEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2987	12.07.2024	MS DOSING TANK 205-TK-100	PT GAUGE&DRAIN LEVEL HOV 1 UP STEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2988	12.07.2024	MS DOSING TANK 205-TK-100	PT GAUGE&DRAIN LEVEL HOV 1 DOWN STEAM	Flange	0.2	0.8	100	0.000001	8760	0.010421
2989	12.07.2024	MS DOSING TANK 205-TK-100	PT GAUGE&DRAIN LEVEL HOV 2 UP STEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2990	12.07.2024	MS DOSING TANK 205-TK-100	PT GAUGE&DRAIN LEVEL HOV 2 DOWN STEAM	Flange	0.1	0.8	100	0.000001	8760	0.006402
2991	12.07.2024	MS DOSING TANK 205-TK-100	PT GAUGE&DRAIN LEVEL HOV 3 UP STEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2992	12.07.2024	MS DOSING TANK 205-TK-100	PT GAUGE&DRAIN LEVEL HOV 3 DOWN STEAM	Flange	0.3	0.8	100	0.000002	8760	0.013858
2993	12.07.2024	MS DOSING TANK 205-TK-101	OUTLET HOV UP STEAM	Flange	0.2	0.8	100	0.000001	8760	0.010421
2994	12.07.2024	MS DOSING TANK 205-TK-101	OUTLET HOV DOWN STEAM	Flange	0.4	0.8	100	0.000002	8760	0.016965
2995	12.07.2024	MS DOSING TANK 205-TK-101	INLET HOV UP STEAM	Flange	0.4	0.8	100	0.000002	8760	0.016965
2996	12.07.2024	MS DOSING TANK 205-TK-101	INLET HOV DOWN STEAM	Flange	0.2	0.8	100	0.000001	8760	0.010421
2997	12.07.2024	MS DOSING TANK 205-TK-101	LEVEL GAUGE HOV 1 UP STEAM	Flange	0	0.8	100	0.000000	8760	0.000000
2998	12.07.2024	MS DOSING TANK 205-TK-101	LEVEL GAUGE HOV 1DOWN STEAM	Flange	0.2	0.8	100	0.000001	8760	0.010421
2999	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 A	PUMP SUCTION MOV 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3000	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 A	PUMP SUCTION MOV 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3001	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 A	PUMP SUCTION MOV 2 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3002	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 A	PUMP SUCTION MOV 2 DOWNSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
3003	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 A	SUCTION STRAINER	Flange	0	1	100	0.000000	8760	0.000000
3004	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 A	STRAINER HOV - 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3005	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 A	STRAINER HOV - 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3006	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 A	PUMP SUCTION DISCHARGE HOV 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3007	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 A	PUMP SUCTION DISCHARGE HOV 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3008	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 A	NRV 1 UPSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
3009	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 A	NRV 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3010	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 A	DISCHARGE LINE DRAIN HOV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3011	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 A	DISCHARGE LINE DRAIN HOV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3012	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 A	DISCHARGE LINE DRAIN MOV 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3013	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 A	DISCHARGE LINE DRAIN MOV 1 DOWNSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
3014	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 A	DISCHARGE LINE DRAIN MOV 2 UPSTEAM	Flange	0.3	1	100	0.000002	8760	0.017323
3015	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 A	DISCHARGE LINE DRAIN MOV 2 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3016	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 A	FCV 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3017	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 A	FCV 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3018	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 A	HOV 1 UPSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
3019	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 A	HOV 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3020	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 A	HOV 2 UPSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
3021	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 A	HOV 2 DOWNSTEAM	Flange	0.3	1	100	0.000002	8760	0.017323
3022	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 A	HOV 3 UPSTEAM	Flange	0.4	1	100	0.000002	8760	0.021206
3023	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 A	HOV 3 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3024	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 B	PUMP SUCTION MOV 1 UPSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
3025	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 B	PUMP SUCTION MOV 1 DOWNSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
3026	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 B	PUMP SUCTION MOV 2 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3027	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 B	PUMP SUCTION MOV 2 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3028	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 B	SUCTION STRAINER	Flange	0	1	100	0.000000	8760	0.000000
3029	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 B	STRAINER HOV - 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000

3030	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 B	STRAINER HOV - 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3031	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 B	PUMP SUCTION DISCHARGE HOV 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3032	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 B	PUMP SUCTION DISCHARGE HOV 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3033	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 B	NRV 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3034	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 B	NRV 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3035	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 B	DISCHARGE LINE DRAIN HOV 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3036	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 B	DISCHARGE LINE DRAIN HOV 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3037	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 B	DISCHARGE LINE DRAIN MOV 1 UPSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
3038	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 B	DISCHARGE LINE DRAIN MOV 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3039	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 B	DISCHARGE LINE DRAIN MOV 2 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3040	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 B	DISCHARGE LINE DRAIN MOV 2 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3041	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 C	PUMP SUCTION MOV 1 UPSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
3042	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 C	PUMP SUCTION MOV 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3043	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 C	PUMP SUCTION MOV 2 UPSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
3044	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 C	PUMP SUCTION MOV 2 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3045	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 C	SUCTION STRAINER	Flange	0	1	100	0.000000	8760	0.000000
3046	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 C	STRAINER HOV - 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3047	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 C	STRAINER HOV - 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3048	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 C	PUMP SUCTION DISCHARGE HOV 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3049	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 C	PUMP SUCTION DISCHARGE HOV 1 DOWNSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
3050	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 C	NRV 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3051	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 C	NRV 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3052	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 C	DISCHARGE LINE DRAIN HOV 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3053	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 C	DISCHARGE LINE DRAIN HOV 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3054	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 C	DISCHARGE LINE DRAIN MOV 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3055	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 C	DISCHARGE LINE DRAIN MOV 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3056	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 C	DISCHARGE LINE DRAIN MOV 2 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3057	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 C	DISCHARGE LINE DRAIN MOV 2 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3058	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 D	PUMP SUCTION MOV 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3059	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 D	PUMP SUCTION MOV 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3060	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 D	PUMP SUCTION MOV 2 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3061	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 D	PUMP SUCTION MOV 2 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3062	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 D	SUCTION STRAINER	Flange	0	1	100	0.000000	8760	0.000000
3063	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 D	STRAINER HOV - 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3064	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 D	STRAINER HOV - 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3065	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 D	PUMP SUCTION DISCHARGE HOV 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3066	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 D	PUMP SUCTION DISCHARGE HOV 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3067	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 D	NRV 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3068	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 D	NRV 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3069	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 D	DISCHARGE LINE DRAIN HOV 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3070	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 D	DISCHARGE LINE DRAIN HOV 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3071	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 D	DISCHARGE LINE DRAIN MOV 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3072	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 D	DISCHARGE LINE DRAIN MOV 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3073	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 D	DISCHARGE LINE DRAIN MOV 2 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3074	12.07.2024	NAPTHA PUMP HOUSE 2 - 205 PM - 002 D	DISCHARGE LINE DRAIN MOV 2 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3075	12.07.2024	PIG LANGER NAPTHA LINE	MOV-1- UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3076	12.07.2024	PIG LANGER NAPTHA LINE	MOV-1- DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3077	12.07.2024	PIG LANGER NAPTHA LINE	XZV 0084 UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3078	12.07.2024	PIG LANGER NAPTHA LINE	XZV 0084 DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3079	12.07.2024	PIG LANGER NAPTHA LINE	PSV LINE FLANGES	Flange	0	1	100	0.000000	8760	0.000000
3080	12.07.2024	PIG LANGER NAPTHA LINE	PSV LINE FLANGES	Flange	0	1	100	0.000000	8760	0.000000
3081	12.07.2024	PIG LANGER NAPTHA LINE	PSV LINE FLANGES	Flange	0	1	100	0.000000	8760	0.000000
3082	12.07.2024	PIG LANGER NAPTHA LINE	PSV LINE FLANGES	Flange	0	1	100	0.000000	8760	0.000000
3083	12.07.2024	PIG LANGER NAPTHA LINE	PSV LINE FLANGES	Flange	0	1	100	0.000000	8760	0.000000
3084	12.07.2024	PIG LANGER NAPTHA LINE	MOV-3- UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3085	12.07.2024	PIG LANGER NAPTHA LINE	MOV-3- DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3086	12.07.2024	PIG LANGER NAPTHA LINE	DRAIN LINE FLANGES	Flange	0	1	100	0.000000	8760	0.000000
3087	12.07.2024	BY PASS LINE	MOV-1- UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3088	12.07.2024	BY PASS LINE	MOV-1- DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3089	12.07.2024	BY PASS LINE	MOV-2- UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3090	12.07.2024	BY PASS LINE	MOV-2- DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3091	12.07.2024	MSP LINE	MOV-1- UP STEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3092	12.07.2024	MSP LINE	MOV-1- DOWN STEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3093	12.07.2024	MSP LINE	XZV 0081 UP STEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3094	12.07.2024	MSP LINE	XZV 0081 DOWN STEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3095	12.07.2024	MSP LINE	PSV LINE FLANGES	Flange	0	0.8	100	0.000000	8760	0.000000
3096	12.07.2024	MSP LINE	PSV LINE FLANGES	Flange	0	0.8	100	0.000000	8760	0.000000
3097	12.07.2024	MSP LINE	PSV LINE FLANGES	Flange	0	0.8	100	0.000000	8760	0.000000
3098	12.07.2024	MSP LINE	PSV LINE FLANGES	Flange	0	0.8	100	0.000000	8760	0.000000
3099	12.07.2024	MSP LINE	PSV LINE FLANGES	Flange	0	0.8	100	0.000000	8760	0.000000
3100	12.07.2024	MSP LINE	MOV-3- UP STEAM(205-MOV-0529)	Flange	0	0.8	100	0.000000	8760	0.000000
3101	12.07.2024	MSP LINE	MOV-3- DOWN STEAM(205-MOV-0630)	Flange	0	0.8	100	0.000000	8760	0.000000

3102	12.07.2024	MSP LINE	DRAIN LINE FLANGES	Flange	0	0.8	100	0.000000	8760	0.000000
3103	12.07.2024	BY PASS LINE	MOV-1- UP STEAM(205-MOV-0528)	Flange	0	1	100	0.000000	8760	0.000000
3104	12.07.2024	BY PASS LINE	MOV-1- DOWN STEAM(205-MOV-0528)	Flange	0	1	100	0.000000	8760	0.000000
3105	12.07.2024	BY PASS LINE	MOV-2- UP STEAM(205-MOV-0530)	Flange	0	1	100	0.000000	8760	0.000000
3106	12.07.2024	BY PASS LINE	MOV-2- DOWN STEAM(205-MOV-0530)	Flange	0	1	100	0.000000	8760	0.000000
3107	12.07.2024	PARAXYLENE LINE	MOV-1- UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3108	12.07.2024	PARAXYLENE LINE	MOV-1- DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3109	12.07.2024	PARAXYLENE LINE	XZV 0071 UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3110	12.07.2024	PARAXYLENE LINE	XZV 0071 DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3111	12.07.2024	PARAXYLENE LINE	PSV LINE FLANGES	Flange	0	1	100	0.000000	8760	0.000000
3112	12.07.2024	PARAXYLENE LINE	PSV LINE FLANGES	Flange	0	1	100	0.000000	8760	0.000000
3113	12.07.2024	PARAXYLENE LINE	PSV LINE FLANGES	Flange	0	1	100	0.000000	8760	0.000000
3114	12.07.2024	PARAXYLENE LINE	PSV LINE FLANGES	Flange	0	1	100	0.000000	8760	0.000000
3115	12.07.2024	PARAXYLENE LINE	PSV LINE FLANGES	Flange	0	1	100	0.000000	8760	0.000000
3116	12.07.2024	PARAXYLENE LINE	MOV-3- UP STEAM(205-MOV-0499)	Flange	0	1	100	0.000000	8760	0.000000
3117	12.07.2024	PARAXYLENE LINE	MOV-3- DOWN STEAM(205-MOV-0499)	Flange	0	1	100	0.000000	8760	0.000000
3118	12.07.2024	PARAXYLENE LINE	DRAIN LINE FLANGES	Flange	0	1	100	0.000000	8760	0.000000
3119	12.07.2024	PARAXYLENE LINE	MOV-1- UP STEAM(205-MOV-0203)	Flange	0	1	100	0.000000	8760	0.000000
3120	12.07.2024	PARAXYLENE LINE	MOV-1- DOWN STEAM(205-MOV-0203)	Flange	0	1	100	0.000000	8760	0.000000
3121	12.07.2024	PARAXYLENE LINE	MOV-2- UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3122	12.07.2024	PARAXYLENE LINE	MOV-2- DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3123	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	PUMP SUCTION MOV 1 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3124	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	PUMP SUCTION MOV 1 DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3125	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	SUCTION STRAINER	Flange	0	0.8	100	0.000000	8760	0.000000
3126	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	STRAINER HOV - 1 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3127	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	STRAINER HOV - 1 DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3128	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	NRV 1 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3129	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	NRV 1 DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3130	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	DISCHARGE LINE DRAIN HOV	Flange	0	0.8	100	0.000000	8760	0.000000
3131	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	DISCHARGE LINE DRAIN HOV	Flange	0	0.8	100	0.000000	8760	0.000000
3132	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	DISCHARGE LINE DRAIN MOV	Flange	0	0.8	100	0.000000	8760	0.000000
3133	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	DISCHARGE LINE DRAIN MOV	Flange	0	0.8	100	0.000000	8760	0.000000
3134	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	PUMP SUCTION DISCHARGE HOV 1	Flange	0	0.8	100	0.000000	8760	0.000000
3135	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	PUMP SUCTION DISCHARGE HOV 1	Flange	0	0.8	100	0.000000	8760	0.000000
3136	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	PUMP SUCTION MOV 1 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3137	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	PUMP SUCTION MOV 1 DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3138	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	SUCTION STRAINER	Flange	0	0.8	100	0.000000	8760	0.000000
3139	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	STRAINER HOV - 1 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3140	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	STRAINER HOV - 1 DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3141	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	NRV 1 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3142	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	NRV 1 DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3143	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	DISCHARGE LINE DRAIN HOV	Flange	0	0.8	100	0.000000	8760	0.000000
3144	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	DISCHARGE LINE DRAIN HOV	Flange	0	0.8	100	0.000000	8760	0.000000
3145	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	DISCHARGE LINE DRAIN MOV	Flange	0	0.8	100	0.000000	8760	0.000000
3146	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	DISCHARGE LINE DRAIN MOV	Flange	0	0.8	100	0.000000	8760	0.000000
3147	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	PUMP SUCTION DISCHARGE HOV 1	Flange	0	0.8	100	0.000000	8760	0.000000
3148	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	PUMP SUCTION DISCHARGE HOV 1	Flange	0	0.8	100	0.000000	8760	0.000000
3149	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	PUMP SUCTION MOV 1 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3150	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	PUMP SUCTION MOV 1 DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3151	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	SUCTION STRAINER	Flange	0	0.8	100	0.000000	8760	0.000000
3152	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	STRAINER HOV - 1 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3153	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	STRAINER HOV - 1 DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3154	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	NRV 1 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3155	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	NRV 1 DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3156	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	DISCHARGE LINE DRAIN HOV	Flange	0	0.8	100	0.000000	8760	0.000000
3157	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	DISCHARGE LINE DRAIN HOV	Flange	0	0.8	100	0.000000	8760	0.000000
3158	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	PUMP SUCTION DISCHARGE HOV 1	Flange	0	0.8	100	0.000000	8760	0.000000
3159	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	PUMP SUCTION DISCHARGE HOV 1	Flange	0	0.8	100	0.000000	8760	0.000000
3160	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	PUMP SUCTION MOV 1 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3161	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	PUMP SUCTION MOV 1 DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3162	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	SUCTION STRAINER	Flange	0	0.8	100	0.000000	8760	0.000000
3163	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	STRAINER HOV - 1 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3164	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	STRAINER HOV - 1 DOWNSTEAM	Flange	0.1	0.8	100	0.000001	8760	0.006402
3165	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	NRV 1 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3166	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	NRV 1 DOWNSTEAM	Flange	0.1	0.8	100	0.000001	8760	0.006402
3167	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	DISCHARGE LINE DRAIN HOV	Flange	0	0.8	100	0.000000	8760	0.000000
3168	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	DISCHARGE LINE DRAIN HOV	Flange	0	0.8	100	0.000000	8760	0.000000
3169	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	DISCHARGE LINE DRAIN MOV	Flange	0	0.8	100	0.000000	8760	0.000000
3170	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	DISCHARGE LINE DRAIN MOV	Flange	0	0.8	100	0.000000	8760	0.000000
3171	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	PUMP SUCTION DISCHARGE HOV 1	Flange	0	0.8	100	0.000000	8760	0.000000
3172	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	PUMP SUCTION DISCHARGE HOV 1	Flange	0	0.8	100	0.000000	8760	0.000000
3173	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR Z05	PUMP SUCTION MOV 1 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000

3174	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-035B	PUMP SUCTION MOV 1 DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3175	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-035B	SUCTION STRAINER	Flange	0	0.8	100	0.000000	8760	0.000000
3176	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-035B	STRAINER HOV - 1 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3177	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-035B	STRAINER HOV - 1 DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3178	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-035B	DISCHARGE LINE DRAIN HOV	Flange	0	0.8	100	0.000000	8760	0.000000
3179	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-035B	DISCHARGE LINE DRAIN HOV	Flange	0	0.8	100	0.000000	8760	0.000000
3180	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-035B	DISCHARGE LINE DRAIN MOV	Flange	0	0.8	100	0.000000	8760	0.000000
3181	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-035B	DISCHARGE LINE DRAIN MOV	Flange	0	0.8	100	0.000000	8760	0.000000
3182	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-035B	PUMP SUCTION DISCHARGE HOV 1	Flange	0	0.8	100	0.000000	8760	0.000000
3183	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-035B	HOST SUCTION DISCHARGE HOV 1	Flange	0	0.8	100	0.000000	8760	0.000000
3184	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-035B	PUMP SUCTION MOV 1 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3185	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-004A	PUMP SUCTION MOV 1 DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3186	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-004A	SUCTION STRAINER	Flange	0	0.8	100	0.000000	8760	0.000000
3187	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-004A	STRAINER HOV - 1 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3188	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-004A	STRAINER HOV - 1 DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3189	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-004A	NRV 1 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3190	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-004A	NRV 1 DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3191	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-004A	DISCHARGE LINE DRAIN HOV	Flange	0	0.8	100	0.000000	8760	0.000000
3192	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-004A	DISCHARGE LINE DRAIN HOV	Flange	0	0.8	100	0.000000	8760	0.000000
3193	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-004A	DISCHARGE LINE DRAIN MOV	Flange	0	0.8	100	0.000000	8760	0.000000
3194	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-004A	DISCHARGE LINE DRAIN MOV	Flange	0	0.8	100	0.000000	8760	0.000000
3195	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-004A	PUMP SUCTION DISCHARGE HOV 1	Flange	0	0.8	100	0.000000	8760	0.000000
3196	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-004A	HOST SUCTION DISCHARGE HOV 1	Flange	0	0.8	100	0.000000	8760	0.000000
3197	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-004B	PUMP SUCTION MOV 1 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3198	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-004B	PUMP SUCTION MOV 1 DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3199	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-004B	SUCTION STRAINER	Flange	0	0.8	100	0.000000	8760	0.000000
3200	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-004B	STRAINER HOV - 1 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3201	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-004B	STRAINER HOV - 1 DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3202	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-004B	NRV 1 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3203	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-004B	NRV 1 DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3204	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-004B	DISCHARGE LINE DRAIN HOV	Flange	0	0.8	100	0.000000	8760	0.000000
3205	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-004B	DISCHARGE LINE DRAIN HOV	Flange	0	0.8	100	0.000000	8760	0.000000
3206	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-004B	DISCHARGE LINE DRAIN MOV	Flange	0	0.8	100	0.000000	8760	0.000000
3207	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-004B	DISCHARGE LINE DRAIN MOV	Flange	0	0.8	100	0.000000	8760	0.000000
3208	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-004B	PUMP SUCTION DISCHARGE HOV 1	Flange	0	0.8	100	0.000000	8760	0.000000
3209	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-004B	HOST SUCTION DISCHARGE HOV 1	Flange	0	0.8	100	0.000000	8760	0.000000
3210	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-003A	PUMP SUCTION MOV 1 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3211	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-003A	PUMP SUCTION MOV 1 DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3212	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-003A	SUCTION STRAINER	Flange	0	0.8	100	0.000000	8760	0.000000
3213	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-003A	STRAINER HOV - 1 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3214	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-003A	STRAINER HOV - 1 DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3215	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-003A	NRV 1 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3216	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-003A	NRV 1 DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3217	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-003A	DISCHARGE LINE DRAIN HOV	Flange	0	0.8	100	0.000000	8760	0.000000
3218	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-003A	DISCHARGE LINE DRAIN HOV	Flange	0	0.8	100	0.000000	8760	0.000000
3219	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-003A	DISCHARGE LINE DRAIN MOV	Flange	0	0.8	100	0.000000	8760	0.000000
3220	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-003A	DISCHARGE LINE DRAIN MOV	Flange	0	0.8	100	0.000000	8760	0.000000
3221	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-003A	PUMP SUCTION DISCHARGE HOV 1	Flange	0	0.8	100	0.000000	8760	0.000000
3222	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-003A	HOST SUCTION DISCHARGE HOV 1	Flange	0	0.8	100	0.000000	8760	0.000000
3223	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-003B	PUMP SUCTION MOV 1 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3224	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-003B	PUMP SUCTION MOV 1 DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3225	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-003B	SUCTION STRAINER	Flange	0	0.8	100	0.000000	8760	0.000000
3226	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-003B	STRAINER HOV - 1 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3227	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-003B	STRAINER HOV - 1 DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3228	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-003B	NRV 1 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3229	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-003B	NRV 1 DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3230	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-003B	DISCHARGE LINE DRAIN HOV	Flange	0	0.8	100	0.000000	8760	0.000000
3231	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-003B	DISCHARGE LINE DRAIN HOV	Flange	0	0.8	100	0.000000	8760	0.000000
3232	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-003B	DISCHARGE LINE DRAIN MOV	Flange	0	0.8	100	0.000000	8760	0.000000
3233	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-003B	DISCHARGE LINE DRAIN MOV	Flange	0	0.8	100	0.000000	8760	0.000000
3234	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-003B	PUMP SUCTION DISCHARGE HOV 1	Flange	0	0.8	100	0.000000	8760	0.000000
3235	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-003B	HOST SUCTION DISCHARGE HOV 1	Flange	0	0.8	100	0.000000	8760	0.000000
3236	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-003C	PUMP SUCTION MOV 1 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3237	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-003C	PUMP SUCTION MOV 1 DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3238	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-003C	SUCTION STRAINER	Flange	0	0.8	100	0.000000	8760	0.000000
3239	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-003C	STRAINER HOV - 1 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3240	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-003C	STRAINER HOV - 1 DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3241	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-003C	NRV 1 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3242	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-003C	NRV 1 DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3243	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-003C	DISCHARGE LINE DRAIN HOV	Flange	0	0.8	100	0.000000	8760	0.000000
3244	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-003C	DISCHARGE LINE DRAIN HOV	Flange	0	0.8	100	0.000000	8760	0.000000
3245	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR ZUS BM-003C	DISCHARGE LINE DRAIN MOV	Flange	0.4	0.8	100	0.000002	8760	0.016965

3246	12.07.2024	PRODUCT PUMP HOUSE - 3 MSP/MSR 205	DISCHARGE LINE DRAIN MOV	Flange	0	0.8	100	0.000000	8760	0.000000
3247	12.07.2024	PM 0001C PUMP HOUSE - 3 MSP/MSR 205	PUMP SUCTION DISCHARGE HOV 1 UPSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3248	12.07.2024	PM 0002C PUMP HOUSE - 3 MSP/MSR 205	PUMP SUCTION DISCHARGE HOV 1 DOWNSTEAM	Flange	0	0.8	100	0.000000	8760	0.000000
3249	12.07.2024	FLOW CONTROL VALVE EAST SIDE OF PH03	FCV 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3250	12.07.2024	FLOW CONTROL VALVE EAST SIDE OF PH03	FCV 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3251	12.07.2024	FLOW CONTROL VALVE EAST SIDE OF PH03	HOV 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3252	12.07.2024	FLOW CONTROL VALVE EAST SIDE OF PH03	HOV 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3253	12.07.2024	FLOW CONTROL VALVE EAST SIDE OF PH03	HOV 2 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3254	12.07.2024	FLOW CONTROL VALVE EAST SIDE OF PH03	HOV 2 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3255	12.07.2024	FLOW CONTROL VALVE EAST SIDE OF PH03	HOV 3 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3256	12.07.2024	FLOW CONTROL VALVE EAST SIDE OF PH03	HOV 3 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3257	12.07.2024	FLOW CONTROL VALVE WEST SIDE OF PH03	FCV 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3258	12.07.2024	FLOW CONTROL VALVE WEST SIDE OF PH03	FCV 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3259	12.07.2024	FLOW CONTROL VALVE WEST SIDE OF PH03	HOV 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3260	12.07.2024	FLOW CONTROL VALVE WEST SIDE OF PH03	HOV 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3261	12.07.2024	FLOW CONTROL VALVE WEST SIDE OF PH03	HOV 2 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3262	12.07.2024	FLOW CONTROL VALVE WEST SIDE OF PH03	HOV 2 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3263	12.07.2024	FLOW CONTROL VALVE WEST SIDE OF PH03	HOV 3 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3264	12.07.2024	FLOW CONTROL VALVE WEST SIDE OF PH03	HOV 3 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3265	12.07.2024	DOSING SHED BRANCHES 205 PM 041A	SUCTION HOV 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3266	12.07.2024	DOSING SHED BRANCHES 205 PM 041A	SUCTION HOV 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3267	12.07.2024	DOSING SHED BRANCHES 205 PM 041A	SUCTION HOV 2 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3268	12.07.2024	DOSING SHED BRANCHES 205 PM 041A	SUCTION HOV 2 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3269	12.07.2024	DOSING SHED BRANCHES 205 PM 041A	PUMP SUCTION DISCHARGE DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3270	12.07.2024	DOSING SHED BRANCHES 205 PM 041A	DISCHARGE NRV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3271	12.07.2024	DOSING SHED BRANCHES 205 PM 041A	DISCHARGE NRV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3272	12.07.2024	DOSING SHED BRANCHES 205 PM 041A	DISCHARGE NRV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3273	12.07.2024	DOSING SHED BRANCHES 205 PM 041A	DISCHARGE HOV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3274	12.07.2024	DOSING SHED BRANCHES 205 PM 041A	DISCHARGE HOV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3275	12.07.2024	DOSING SHED BRANCHES 205 PM 041B	SUCTION HOV 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3276	12.07.2024	DOSING SHED BRANCHES 205 PM 041B	SUCTION HOV 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3277	12.07.2024	DOSING SHED BRANCHES 205 PM 041B	SUCTION HOV 2 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3278	12.07.2024	DOSING SHED BRANCHES 205 PM 041B	SUCTION HOV 2 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3279	12.07.2024	DOSING SHED BRANCHES 205 PM 041B	PUMP SUCTION DISCHARGE UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3280	12.07.2024	DOSING SHED BRANCHES 205 PM 041B	PUMP SUCTION DISCHARGE DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3281	12.07.2024	DOSING SHED BRANCHES 205 PM 041B	DISCHARGE NRV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3282	12.07.2024	DOSING SHED BRANCHES 205 PM 041B	DISCHARGE NRV DOWNSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
3283	12.07.2024	DOSING SHED BRANCHES 205 PM 041B	DISCHARGE HOV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3284	12.07.2024	DOSING SHED BRANCHES 205 PM 041B	DISCHARGE HOV DOWNSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
3285	12.07.2024	Flow control valve (South east corner of PH-06)	HOV-1-up steam	Flange	0	1	100	0.000000	8760	0.000000
3286	12.07.2024	Flow control valve (South east corner of PH-06)	HOV-1-down steam	Flange	0.2	1	100	0.000001	8760	0.013027
3287	12.07.2024	Flow control valve (South east corner of PH-06)	FCV-up steam	Flange	0.1	1	100	0.000001	8760	0.008002
3288	12.07.2024	Flow control valve (South east corner of PH-06)	FCV-down steam	Flange	0	1	100	0.000000	8760	0.000000
3289	12.07.2024	Flow control valve (South east corner of PH-06)	HOV-2-UP steam	Flange	0.5	1	100	0.000003	8760	0.024807
3290	12.07.2024	Flow control valve (South east corner of PH-06)	HOV-2-down steam	Flange	0.2	1	100	0.000001	8760	0.013027
3291	12.07.2024	Flow control valve (South east corner of PH-06)	HOV-3-UP steam	Flange	0.5	1	100	0.000003	8760	0.024807
3292	12.07.2024	Flow control valve (South east corner of PH-06)	HOV-3-down steam	Flange	0.3	1	100	0.000002	8760	0.017323
3293	12.07.2024	Flow control valve (South east corner of PH-06)	HOV-4-UP steam	Flange	0.2	1	100	0.000001	8760	0.013027
3294	12.07.2024	Flow control valve (South east corner of PH-06)	HOV-4-down steam	Flange	0	1	100	0.000000	8760	0.000000
3295	12.07.2024	Flow control valve (South east corner of PH-06)	HOV-5-UP steam	Flange	0	1	100	0.000000	8760	0.000000
3296	12.07.2024	Flow control valve (South east corner of PH-06)	HOV-5-down steam	Flange	0	1	100	0.000000	8760	0.000000
3297	12.07.2024	PIPE LINE END FLANGE	PM-001 A/B/C suction heater	Flange	0	1	100	0.000000	8760	0.000000
3298	12.07.2024	PIPE LINE END FLANGE	LPG inter bullet vapour balancing line	Flange	0	1	100	0.000000	8760	0.000000
3299	12.07.2024	PIPE LINE END FLANGE	OFF spee LPG line	Flange	0	1	100	0.000000	8760	0.000000
3300	12.07.2024	PIPE LINE END FLANGE	1BT/Heel strepping heater	Flange	0	1	100	0.000000	8760	0.000000
3301	12.07.2024	PIPE LINE END FLANGE	Bleanding spillage off spee LPG line	Flange	0	1	100	0.000000	8760	0.000000
3302	12.07.2024	PIPE LINE END FLANGE	PRESSUERIZED LPG	Flange	0	1	100	0.000000	8760	0.000000
3303	12.07.2024	PIPE LINE END FLANGE	1BT DISCHARGE LINE	Flange	0	1	100	0.000000	8760	0.000000
3304	12.07.2024	PIPE LINE END FLANGE	PM 027A/B/C SUCTION HEADER	Flange	0	1	100	0.000000	8760	0.000000
3305	12.07.2024	PIPE LINE END FLANGE	PM 001 A/B/C MINIMUM FLOW LINE	Flange	0	1	100	0.000000	8760	0.000000
3306	12.07.2024	PIPE LINE END FLANGE	BULLET OUTLET HEADER	Flange	0.2	1	100	0.000001	8760	0.013027
3307	12.07.2024	PIPE LINE END FLANGE	LPG PIPELINE TRANSFER	Flange	0	1	100	0.000000	8760	0.000000
3308	12.07.2024	PIPE LINE END FLANGE	PUMP 28 A/B/C PROPYLENE 1BT LINE	Flange	0.3	1	100	0.000002	8760	0.017323
3309	12.07.2024	PIPE LINE END FLANGE	PM 27 MINIMUM FLOW LINE	Flange	0	1	100	0.000000	8760	0.000000
3310	12.07.2024	PIPE LINE END FLANGE	LPG FROM BLENDING HEADER TOP OFF	Flange	0	1	100	0.000000	8760	0.000000
3311	12.07.2024	PIPE LINE END FLANGE	OFF SPEE LPG TO ALKYLATION BULLET	Flange	0	1	100	0.000000	8760	0.000000
3312	12.07.2024	PIPE LINE END FLANGE	LPG RETURN FROM TT LOADING LINE	Flange	0	1	100	0.000000	8760	0.000000
3313	12.07.2024	PIPE LINE END FLANGE	PM - 001 A/B/C DISCHARGE HEADER LINE	Flange	0.1	1	100	0.000001	8760	0.008002

3314	12.07.2024	FLOW control valve (NORTH east corner of PH-06)	HOV-1-UP steam	Flange	0.1	1	100	0.000001	8760	0.008002
3315	12.07.2024	FLOW control valve (NORTH east corner of PH-06)	HOV-1-down steam	Flange	0.2	1	100	0.000001	8760	0.013027
3316	12.07.2024	FLOW control valve (NORTH east corner of PH-06)	FCV-1-UP steam	Flange	0	1	100	0.000000	8760	0.000000
3317	12.07.2024	FLOW control valve (NORTH east corner of PH-06)	FCV-1-down steam	Flange	0.3	1	100	0.000002	8760	0.017323
3318	12.07.2024	FLOW control valve (NORTH east corner of PH-06)	HOV-2-UP steam	Flange	0	1	100	0.000000	8760	0.000000
3319	12.07.2024	FLOW control valve (NORTH east corner of PH-06)	HOV-2-down steam	Flange	0	1	100	0.000000	8760	0.000000
3320	12.07.2024	FLOW control valve (NORTH east corner of PH-06)	HOV-3- BYPASS UP steam	Flange	0	1	100	0.000000	8760	0.000000
3321	12.07.2024	FLOW control valve (NORTH east corner of PH-06)	HOV-3- BYPASS down steam	Flange	0	1	100	0.000000	8760	0.000000
3322	12.07.2024	COMPRESSOR HOUSE LBG	HOV 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3323	12.07.2024	COMPRESSOR HOUSE LBG	HOV 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3324	12.07.2024	COMPRESSOR HOUSE LBG	HOV 2 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3325	12.07.2024	COMPRESSOR HOUSE LBG	HOV 2 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3326	12.07.2024	COMPRESSOR HOUSE LBG	MOV 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3327	12.07.2024	COMPRESSOR HOUSE LBG	MOV 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3328	12.07.2024	COMPRESSOR HOUSE LBG	MOV 2 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3329	12.07.2024	COMPRESSOR HOUSE LBG	MOV 2 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3330	12.07.2024	PROTUCT TANK	TK 04 PSV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3331	12.07.2024	PROTUCT TANK	TK 04 PSV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3332	12.07.2024	PROTUCT TANK	TK 07 PSV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3333	12.07.2024	PROTUCT TANK	TK 07 PSV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3334	12.07.2024	PROTUCT TANK	TK 11 PSV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3335	12.07.2024	PROTUCT TANK	TK 11 PSV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3336	12.07.2024	PROTUCT TANK	TK 14 PSV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3337	12.07.2024	PROTUCT TANK	TK 14 PSV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3338	12.07.2024	PROTUCT TANK	TK 08 PSV UP STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
3339	12.07.2024	PROTUCT TANK	TK 08 PSV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3340	12.07.2024	PROTUCT TANK	STREAM HOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3341	12.07.2024	PUMP HOUSE 2	MOV 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3342	12.07.2024	PUMP HOUSE 2	MOV 1 DOWNSTEAM	Pump	0	1	100	0.000000	8760	0.000000
3343	12.07.2024	PUMP HOUSE 2	MOV 2 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3344	12.07.2024	PUMP HOUSE 2	MOV 2 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3345	12.07.2024	PUMP HOUSE 2	HOV 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3346	12.07.2024	PUMP HOUSE 2	HOV 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3347	12.07.2024	OTHER FLANGES	HOV	Flange	0	1	100	0.000000	8760	0.000000
3348	12.07.2024	OTHER FLANGES	HOV	Flange	0	1	100	0.000000	8760	0.000000
3349	12.07.2024	OTHER FLANGES	HOV	Flange	0	1	100	0.000000	8760	0.000000
3350	12.07.2024	OTHER FLANGES	HOV	Flange	0	1	100	0.000000	8760	0.000000
3351	13.07.2024	OTHER FLANGES	HOV	Flange	0	1	100	0.000000	8760	0.000000
3352	13.07.2024	OTHER FLANGES	HOV	Flange	0	1	100	0.000000	8760	0.000000
3353	13.07.2024	Crude tank area crude receipt live from south inlet at battery limit	200-xzv-0011 up steam	Flange	0	1	100	0.000000	8760	0.000000
3354	13.07.2024	Crude tank area crude receipt live from south inlet at battery limit	200-xzv-0011 down steam	Flange	0.6	1	100	0.000003	8760	0.028200
3355	13.07.2024	Crude tank area crude receipt live from south inlet at battery limit	MOV-3 UP STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
3356	13.07.2024	Crude tank area crude receipt live from south inlet at battery limit	MOV-3 DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3357	13.07.2024	Crude tank area crude receipt live from south inlet at battery limit	200-MOV-003 UP steam	Flange	0.9	1	100	0.000004	8760	0.037501
3358	13.07.2024	Crude tank area crude receipt live from south inlet at battery limit	200-MOV-003 DOWN steam	Flange	1.2	1	100	0.000005	8760	0.045906
3359	13.07.2024	Crude tank area crude receipt live from south inlet at battery limit	200-MOV-016 UP steam	Flange	0	1	100	0.000000	8760	0.000000
3360	13.07.2024	Crude tank area crude receipt live from south inlet at battery limit	200-MOV-016 DOWN steam	Flange	1.7	1	100	0.000007	8760	0.058642
3361	13.07.2024	Crude tank area crude receipt live from south inlet at battery limit	200-MOV-015 UP steam	Flange	0	1	100	0.000000	8760	0.000000
3362	13.07.2024	Crude tank area crude receipt live from south inlet at battery limit	200-MOV-015 DOWN steam	Flange	0	1	100	0.000000	8760	0.000000
3363	13.07.2024	Crude tank area crude receipt From SPM/Pipe Line	200-MOV-01 BATTERY LIMIT	Flange	0	1	100	0.000000	8760	0.000000
3364	13.07.2024	Crude tank area crude receipt From SPM/Pipe Line	FLANGE NO 2 CONNETTING TO ONLINE SAMPLER	Flange	0	1	100	0.000000	8760	0.000000
3365	13.07.2024	Crude tank area crude receipt From SPM/Pipe Line	INLET FLANGE TO PUMP NO 2	Flange	2.1	1	100	0.000008	8760	0.068034
3366	13.07.2024	Crude tank area crude receipt From SPM/Pipe Line	INLET FLANGE TO PUMP NO 1	Flange	0	1	100	0.000000	8760	0.000000
3367	13.07.2024	Crude tank area crude receipt From SPM/Pipe Line	FLANGE NO 2 CONNETTING TO SAMPLER	Flange	0	1	100	0.000000	8760	0.000000
3368	13.07.2024	Crude tank area crude receipt From SPM/Pipe Line	FLANGE NO 2 CONNETTING TO SAMPLER	Flange	0.9	1	100	0.000004	8760	0.037501
3369	13.07.2024	Crude tank NO -1	OUTLET XZV UP STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
3370	13.07.2024	Crude tank NO -1	OUTLET XZV down steam	Flange	0	1	100	0.000000	8760	0.000000
3371	13.07.2024	Crude tank NO -1	MANWAY A	Flange	0.1	1	100	0.000001	8760	0.008002
3372	13.07.2024	Crude tank NO -1	MANWAY B	Flange	0.4	1	100	0.000002	8760	0.021206
3373	13.07.2024	Crude tank NO -1	MANWAY C	Flange	0	1	100	0.000000	8760	0.000000
3374	13.07.2024	Crude tank NO -1	WD/A UP STEAM	Flange	0.5	1	100	0.000003	8760	0.024807
3375	13.07.2024	Crude tank NO -1	WD/A down steam	Flange	0.2	1	100	0.000001	8760	0.013027
3376	13.07.2024	Crude tank NO -1	WD/B UP STEAM	Flange	0.4	1	100	0.000002	8760	0.021206
3377	13.07.2024	Crude tank NO -1	WD/B down steam	Flange	0.5	1	100	0.000003	8760	0.024807
3378	13.07.2024	Crude tank NO -1	WD/C UP STEAM	Flange	0.6	1	100	0.000003	8760	0.028200
3379	13.07.2024	Crude tank NO -1	WD/C down steam	Flange	0.5	1	100	0.000003	8760	0.024807

3380	13.07.2024	CRude tank NO -1	WD/D UP STEAM	Flange	0.6	1	100	0.000003	8760	0.028200
3381	13.07.2024	CRude tank NO -1	WD/D down steam	Flange	0.2	1	100	0.000001	8760	0.013027
3382	13.07.2024	CRude tank NO -1	CLEAN OUT DOOR	Flange	0.1	1	100	0.000001	8760	0.008002
3383	13.07.2024	CRude tank NO -1	JET MIXTURE MOV	Flange	0.3	1	100	0.000002	8760	0.017323
3384	13.07.2024	CRude tank NO -1	JET MIXTURE MOV	Flange	0.2	1	100	0.000001	8760	0.013027
3385	13.07.2024	CRude tank NO -1	INLET XZV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3386	13.07.2024	CRude tank NO -1	INLET XZV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3387	13.07.2024	OUTSIDE DYKE	INLET MOV	Flange	0	1	100	0.000000	8760	0.000000
3388	13.07.2024	OUTSIDE DYKE	INLET MOV	Flange	0	1	100	0.000000	8760	0.000000
3389	13.07.2024	OUTSIDE DYKE	OUTLET MOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3390	13.07.2024	OUTSIDE DYKE	OUTLET MOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3391	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3392	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3393	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3394	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3395	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV UP STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
3396	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV DOWN STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
3397	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV UP STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
3398	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV DOWN STEAM	Flange	0.4	1	100	0.000002	8760	0.021206
3399	13.07.2024	END FLANGES	CRUDE OUTLET LAST	Flange	0	1	100	0.000000	8760	0.000000
3400	13.07.2024	END FLANGES	CRUDE OUTLET LAST	Flange	0	1	100	0.000000	8760	0.000000
3401	13.07.2024	END FLANGES	TSV INLET LINE	Flange	0	1	100	0.000000	8760	0.000000
3402	13.07.2024	END FLANGES	TSV INLET LINE	Flange	0.2	1	100	0.000001	8760	0.013027
3403	13.07.2024	END FLANGES	TSV INLET LINE	Flange	0.1	1	100	0.000001	8760	0.008002
3404	13.07.2024	END FLANGES	TSV INLET LINE	Flange	0	1	100	0.000000	8760	0.000000
3405	13.07.2024	END FLANGES	TSV INLET LINE	Flange	0.8	1	100	0.000004	8760	0.034521
3406	13.07.2024	END FLANGES	TSV INLET LINE	Flange	0	1	100	0.000000	8760	0.000000
3407	13.07.2024	END FLANGES	TSV INLET LINE	Flange	0.5	1	100	0.000003	8760	0.024807
3408	13.07.2024	END FLANGES	TSV INLET LINE	Flange	0.2	1	100	0.000001	8760	0.013027
3409	13.07.2024	END FLANGES	MOV-0002	Flange	0.3	1	100	0.000002	8760	0.017323
3410	13.07.2024	END FLANGES	MOV-0002	Flange	0.2	1	100	0.000001	8760	0.013027
3411	13.07.2024	END FLANGES	MOV-0002	Flange	0.1	1	100	0.000001	8760	0.008002
3412	13.07.2024	END FLANGES	MOV-0002	Flange	0.5	1	100	0.000003	8760	0.024807
3413	13.07.2024	CRude tank NO -1 Tank Top	RIM SEAL EAST	Flange	0.2	1	100	0.000001	8760	0.013027
3414	13.07.2024	CRude tank NO -1 Tank Top	RIM SEAL WEST	Flange	0.8	1	100	0.000004	8760	0.034521
3415	13.07.2024	CRude tank NO -1 Tank Top	RIM SEAL NORTH	Flange	0.8	1	100	0.000004	8760	0.034521
3416	13.07.2024	CRude tank NO -1 Tank Top	RIM SEAL SOUTH	Flange	0	1	100	0.000000	8760	0.000000
3417	13.07.2024	CRude tank NO -1 Tank Top	DIPHATCH	Flange	0.9	1	100	0.000004	8760	0.037501
3418	13.07.2024	CRude tank NO -2	OUTLET XZV UP STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
3419	13.07.2024	CRude tank NO -2	OUTLET XZV down steam	Flange	0.8	1	100	0.000004	8760	0.034521
3420	13.07.2024	CRude tank NO -2	MANWAY A	Flange	0.8	1	100	0.000004	8760	0.034521
3421	13.07.2024	CRude tank NO -2	MANWAY B	Flange	0.6	1	100	0.000003	8760	0.028200
3422	13.07.2024	CRude tank NO -2	MANWAY C	Flange	0.5	1	100	0.000003	8760	0.024807
3423	13.07.2024	CRude tank NO -2	WD/A UP STEAM	Flange	0.4	1	100	0.000002	8760	0.021206
3424	13.07.2024	CRude tank NO -2	WD/A down steam	Flange	0.3	1	100	0.000002	8760	0.017323
3425	13.07.2024	CRude tank NO -2	WD/B UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3426	13.07.2024	CRude tank NO -2	WD/B down steam	Flange	0.2	1	100	0.000001	8760	0.013027
3427	13.07.2024	CRude tank NO -2	WD/C UP STEAM	Flange	0.6	1	100	0.000003	8760	0.028200
3428	13.07.2024	CRude tank NO -2	WD/C down steam	Flange	0.5	1	100	0.000003	8760	0.024807
3429	13.07.2024	CRude tank NO -2	WD/D UP STEAM	Flange	0.4	1	100	0.000002	8760	0.021206
3430	13.07.2024	CRude tank NO -2	WD/D down steam	Flange	0.3	1	100	0.000002	8760	0.017323
3431	13.07.2024	CRude tank NO -2	CLEAN OUT DOOR	Flange	0.6	1	100	0.000003	8760	0.028200
3432	13.07.2024	CRude tank NO -2	JET MIXTURE MOV	Flange	0.5	1	100	0.000003	8760	0.024807
3433	13.07.2024	CRude tank NO -2	JET MIXTURE MOV	Flange	0.4	1	100	0.000002	8760	0.021206
3434	13.07.2024	CRude tank NO -2	INLET XZV UP STEAM	Flange	0.3	1	100	0.000002	8760	0.017323
3435	13.07.2024	CRude tank NO -2	INLET XZV DOWN STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
3436	13.07.2024	OUTSIDE DYKE	INLET MOV UP STEAM	Flange	0.4	1	100	0.000002	8760	0.021206
3437	13.07.2024	OUTSIDE DYKE	INLET MOV DOWN STEAM	Flange	0.5	1	100	0.000003	8760	0.024807
3438	13.07.2024	OUTSIDE DYKE	HEEL STRIPPING MOV UP STEAM	Flange	0.6	1	100	0.000003	8760	0.028200
3439	13.07.2024	OUTSIDE DYKE	HEEL STRIPPING MOV DOWN STEAM	Flange	0.5	1	100	0.000003	8760	0.024807
3440	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV UP STEAM	Flange	0.4	1	100	0.000002	8760	0.021206
3441	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV DOWN STEAM	Flange	0.3	1	100	0.000002	8760	0.017323
3442	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV UP STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
3443	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV DOWN STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
3444	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV UP STEAM	Flange	0.4	1	100	0.000002	8760	0.021206
3445	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV DOWN STEAM	Flange	0.6	1	100	0.000003	8760	0.028200
3446	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV UP STEAM	Flange	0.3	1	100	0.000002	8760	0.017323
3447	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV DOWN STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
3448	13.07.2024	END FLANGES	CRUDE RECIPT HEADER	Flange	0.8	1	100	0.000004	8760	0.034521
3449	13.07.2024	END FLANGES	PUMP SECTION HEADER-2	Flange	0.9	1	100	0.000004	8760	0.037501
3450	13.07.2024	END FLANGES	PUMP SECTION HEADER-1	Flange	0.1	1	100	0.000001	8760	0.008002
3451	13.07.2024	END FLANGES	ITT SECTION HEADER-1	Flange	0.4	1	100	0.000002	8760	0.021206

3452	13.07.2024	END FLANGES	ITT MAIN DELIVERY TANK MOV	Flange	0.6	1	100	0.000003	8760	0.028200
3453	13.07.2024	END FLANGES	HOV-1-down steam	Flange	0.5	1	100	0.000003	8760	0.024807
3454	13.07.2024	END FLANGES	OUTLET DYKE	Flange	0.5	1	100	0.000003	8760	0.024807
3455	13.07.2024	CRude tank NO -2 Tank Top	RIM SEAL EAST	Flange	9.1	1	100	0.000022	8760	0.190727
3456	13.07.2024	CRude tank NO -2 Tank Top	RIM SEAL WEST	Flange	8.1	1	100	0.000020	8760	0.175740
3457	13.07.2024	CRude tank NO -2 Tank Top	RIM SEAL NORTH	Flange	8.2	1	100	0.000020	8760	0.177262
3458	13.07.2024	CRude tank NO -2 Tank Top	RIM SEAL SOUTH	Flange	9.2	1	100	0.000022	8760	0.192198
3459	13.07.2024	CRude tank NO -2 Tank Top	DIPHATCH	Flange	6.2	1	100	0.000017	8760	0.145632
3460	13.07.2024	CRude tank NO -3 INSIDE DYKE	OUTLET XZV UP STEAM 5003	Flange	0.9	1	100	0.000004	8760	0.037501
3461	13.07.2024	CRude tank NO -3 INSIDE DYKE	OUTLET XZV down steam 5003	Flange	0.2	1	100	0.000001	8760	0.013027
3462	13.07.2024	CRude tank NO -3 INSIDE DYKE	MANWAY A	Flange	1.3	1	100	0.000006	8760	0.048563
3463	13.07.2024	CRude tank NO -3 INSIDE DYKE	MANWAY B	Flange	0.9	1	100	0.000004	8760	0.037501
3464	13.07.2024	CRude tank NO -3 INSIDE DYKE	MANWAY C	Flange	0.6	1	100	0.000003	8760	0.028200
3465	13.07.2024	CRude tank NO -3 INSIDE DYKE	WD/A UP STEAM	Flange	0.9	1	100	0.000004	8760	0.037501
3466	13.07.2024	CRude tank NO -3 INSIDE DYKE	WD/A down steam	Flange	1.2	1	100	0.000005	8760	0.045906
3467	13.07.2024	CRude tank NO -3 INSIDE DYKE	WD/B UP STEAM	Flange	0.9	1	100	0.000004	8760	0.037501
3468	13.07.2024	CRude tank NO -3 INSIDE DYKE	WD/B down steam	Flange	1.2	1	100	0.000005	8760	0.045906
3469	13.07.2024	CRude tank NO -3 INSIDE DYKE	WD/C UP STEAM	Flange	0.6	1	100	0.000003	8760	0.028200
3470	13.07.2024	CRude tank NO -3 INSIDE DYKE	WD/C down steam	Flange	0	1	100	0.000000	8760	0.000000
3471	13.07.2024	CRude tank NO -3 INSIDE DYKE	WD/D UP STEAM	Flange	0.3	1	100	0.000002	8760	0.017323
3472	13.07.2024	CRude tank NO -3 INSIDE DYKE	WD/D down steam	Flange	0.2	1	100	0.000001	8760	0.013027
3473	13.07.2024	CRude tank NO -3 INSIDE DYKE	CLEAN OUT DOOR	Flange	0.4	1	100	0.000002	8760	0.021206
3474	13.07.2024	CRude tank NO -3 INSIDE DYKE	JET MIXTURE MOV	Flange	0.5	1	100	0.000003	8760	0.024807
3475	13.07.2024	CRude tank NO -3 INSIDE DYKE	JET MIXTURE MOV	Flange	0	1	100	0.000000	8760	0.000000
3476	13.07.2024	CRude tank NO -3 INSIDE DYKE	INLET XZV UP STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
3477	13.07.2024	CRude tank NO -3 INSIDE DYKE	INLET XZV DOWN STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
3478	13.07.2024	OUTSIDE DYKE	INLET MOV UP STEAM	Flange	0.4	1	100	0.000002	8760	0.021206
3479	13.07.2024	OUTSIDE DYKE	INLET MOV DOWN STEAM	Flange	0.3	1	100	0.000002	8760	0.017323
3480	13.07.2024	OUTSIDE DYKE	HEEL STRIPPING MOV UP STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
3481	13.07.2024	OUTSIDE DYKE	HEEL STRIPPING MOV DOWN STEAM	Flange	0.6	1	100	0.000003	8760	0.028200
3482	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV UP STEAM	Flange	0.3	1	100	0.000002	8760	0.017323
3483	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV DOWN STEAM	Flange	0.4	1	100	0.000002	8760	0.021206
3484	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV UP STEAM	Flange	0.5	1	100	0.000003	8760	0.024807
3485	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV DOWN STEAM	Flange	0.6	1	100	0.000003	8760	0.028200
3486	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV UP STEAM	Flange	0.7	1	100	0.000004	8760	0.031427
3487	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV DOWN STEAM	Flange	0.8	1	100	0.000004	8760	0.034521
3488	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV UP STEAM	Flange	0.9	1	100	0.000004	8760	0.037501
3489	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV DOWN STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
3490	13.07.2024	END FLANGES	CRUDE OUTLET LAST	Flange	1	1	100	0.000005	8760	0.040384
3491	13.07.2024	END FLANGES	CRUDE OUTLET LAST	Flange	9.3	1	100	0.000022	8760	0.193664
3492	13.07.2024	CRude tank NO -3 Tank Top	RIM SEAL EAST	Flange	9.1	1	100	0.000022	8760	0.190727
3493	13.07.2024	CRude tank NO -3 Tank Top	RIM SEAL WEST	Flange	8.2	1	100	0.000020	8760	0.177262
3494	13.07.2024	CRude tank NO -3 Tank Top	RIM SEAL NORTH	Flange	8.4	1	100	0.000021	8760	0.180291
3495	13.07.2024	CRude tank NO -3 Tank Top	RIM SEAL SOUTH	Flange	8.6	1	100	0.000021	8760	0.183298
3496	13.07.2024	CRude tank NO -3 Tank Top	DIPHATCH	Flange	0.2	1	100	0.000001	8760	0.013027
3497	13.07.2024	CRude tank NO -4 INSIDE DYKE	OUTLET XZV UP STEAM 5008	Flange	0.1	1	100	0.000001	8760	0.008002
3498	13.07.2024	CRude tank NO -4 INSIDE DYKE	OUTLET XZV down steam 5008	Flange	0	1	100	0.000000	8760	0.000000
3499	13.07.2024	CRude tank NO -4 INSIDE DYKE	MANWAY A	Flange	0.3	1	100	0.000002	8760	0.017323
3500	13.07.2024	CRude tank NO -4 INSIDE DYKE	MANWAY B	Flange	0.2	1	100	0.000001	8760	0.013027
3501	13.07.2024	CRude tank NO -4 INSIDE DYKE	MANWAY C	Flange	0.4	1	100	0.000002	8760	0.021206
3502	13.07.2024	CRude tank NO -4 INSIDE DYKE	WD/A UP STEAM	Flange	0.3	1	100	0.000002	8760	0.017323
3503	13.07.2024	CRude tank NO -4 INSIDE DYKE	WD/A down steam	Flange	0	1	100	0.000000	8760	0.000000
3504	13.07.2024	CRude tank NO -4 INSIDE DYKE	WD/B UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3505	13.07.2024	CRude tank NO -4 INSIDE DYKE	WD/B down steam	Flange	0	1	100	0.000000	8760	0.000000
3506	13.07.2024	CRude tank NO -4 INSIDE DYKE	WD/C UP STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
3507	13.07.2024	CRude tank NO -4 INSIDE DYKE	WD/C down steam	Flange	0.1	1	100	0.000001	8760	0.008002
3508	13.07.2024	CRude tank NO -4 INSIDE DYKE	WD/D UP STEAM	Flange	0.4	1	100	0.000002	8760	0.021206
3509	13.07.2024	CRude tank NO -4 INSIDE DYKE	WD/D down steam	Flange	0	1	100	0.000000	8760	0.000000
3510	13.07.2024	CRude tank NO -4 INSIDE DYKE	CLEAN OUT DOOR	Flange	0	1	100	0.000000	8760	0.000000
3511	13.07.2024	CRude tank NO -4 INSIDE DYKE	JET MIXTURE MOV	Flange	0	1	100	0.000000	8760	0.000000
3512	13.07.2024	CRude tank NO -4 INSIDE DYKE	JET MIXTURE MOV	Flange	0	1	100	0.000000	8760	0.000000
3513	13.07.2024	CRude tank NO -4 INSIDE DYKE	INLET XZV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3514	13.07.2024	CRude tank NO -4 INSIDE DYKE	INLET XZV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3515	13.07.2024	OUTSIDE DYKE	INLET MOV UP STEAM	Flange	0.5	1	100	0.000003	8760	0.024807
3516	13.07.2024	OUTSIDE DYKE	INLET MOV DOWN STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
3517	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3518	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV DOWN STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
3519	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3520	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV DOWN STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
3521	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV UP STEAM	Flange	0.3	1	100	0.000002	8760	0.017323
3522	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3523	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV UP STEAM	Flange	0.2	1	100	0.000001	8760	0.013027

3524	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3525	13.07.2024	END FLANGES	CRUDE OUTLET LAST	Flange	0.4	1	100	0.000002	8760	0.021206
3526	13.07.2024	CRude tank NO -4 Tank Top	RIM SEAL EAST	Flange	7.2	1	100	0.000018	8760	0.161774
3527	13.07.2024	CRude tank NO -4 Tank Top	RIM SEAL WEST	Flange	6.1	1	100	0.000016	8760	0.143977
3528	13.07.2024	CRude tank NO -4 Tank Top	RIM SEAL NORTH	Flange	3.8	1	100	0.000012	8760	0.103227
3529	13.07.2024	CRude tank NO -4 Tank Top	RIM SEAL SOUTH	Flange	6.9	1	100	0.000018	8760	0.157006
3530	13.07.2024	CRude tank NO -4 Tank Top	DIPHATCH	Flange	11.8	1	100	0.000026	8760	0.228949
3531	13.07.2024	CRude tank NO -5 INSIDE DYKE	OUTLET XZV UP STEAM 5010	Flange	0.3	1	100	0.000002	8760	0.017323
3532	13.07.2024	CRude tank NO -5 INSIDE DYKE	OUTLET XZV down steam 5010	Flange	0	1	100	0.000000	8760	0.000000
3533	13.07.2024	CRude tank NO -5 INSIDE DYKE	MANWAY A	Flange	0.2	1	100	0.000001	8760	0.013027
3534	13.07.2024	CRude tank NO -5 INSIDE DYKE	MANWAY B	Flange	0.1	1	100	0.000001	8760	0.008002
3535	13.07.2024	CRude tank NO -5 INSIDE DYKE	MANWAY C	Flange	0	1	100	0.000000	8760	0.000000
3536	13.07.2024	CRude tank NO -5 INSIDE DYKE	WD/A UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3537	13.07.2024	CRude tank NO -5 INSIDE DYKE	WD/A down steam	Flange	0	1	100	0.000000	8760	0.000000
3538	13.07.2024	CRude tank NO -5 INSIDE DYKE	WD/B UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3539	13.07.2024	CRude tank NO -5 INSIDE DYKE	WD/B down steam	Flange	0	1	100	0.000000	8760	0.000000
3540	13.07.2024	CRude tank NO -5 INSIDE DYKE	WD/C UP STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
3541	13.07.2024	CRude tank NO -5 INSIDE DYKE	WD/C down steam	Flange	0.4	1	100	0.000002	8760	0.021206
3542	13.07.2024	CRude tank NO -5 INSIDE DYKE	WD/D UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3543	13.07.2024	CRude tank NO -5 INSIDE DYKE	WD/D down steam	Flange	0.1	1	100	0.000001	8760	0.008002
3544	13.07.2024	CRude tank NO -5 INSIDE DYKE	CLEAN OUT DOOR	Flange	0	1	100	0.000000	8760	0.000000
3545	13.07.2024	CRude tank NO -5 INSIDE DYKE	JET MIXTURE MOV	Flange	0.3	1	100	0.000002	8760	0.017323
3546	13.07.2024	CRude tank NO -5 INSIDE DYKE	JET MIXTURE MOV	Flange	0	1	100	0.000000	8760	0.000000
3547	13.07.2024	CRude tank NO -5 INSIDE DYKE	INLET XZV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3548	13.07.2024	CRude tank NO -5 INSIDE DYKE	INLET XZV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3549	13.07.2024	OUTSIDE DYKE	INLET MOV UP STEAM 0037	Flange	0.4	1	100	0.000002	8760	0.021206
3550	13.07.2024	OUTSIDE DYKE	INLET MOV DOWN STEAM 0037	Flange	0.1	1	100	0.000001	8760	0.008002
3551	13.07.2024	OUTSIDE DYKE	HEEL STRIPPING MOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3552	13.07.2024	OUTSIDE DYKE	HEEL STRIPPING MOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3553	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3554	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV DOWN STEAM	Flange	0.5	1	100	0.000003	8760	0.024807
3555	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3556	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV DOWN STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
3557	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3558	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3559	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3560	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV DOWN STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
3561	13.07.2024	END FLANGES	CRUDE OUTLET LAST	Flange	0	1	100	0.000000	8760	0.000000
3562	13.07.2024	CRude tank NO -5 Tank Top	RIM SEAL EAST	Flange	0.2	1	100	0.000001	8760	0.013027
3563	13.07.2024	CRude tank NO -5 Tank Top	RIM SEAL WEST	Flange	0	1	100	0.000000	8760	0.000000
3564	13.07.2024	CRude tank NO -5 Tank Top	RIM SEAL NORTH	Flange	0	1	100	0.000000	8760	0.000000
3565	13.07.2024	CRude tank NO -5 Tank Top	RIM SEAL SOUTH	Flange	0	1	100	0.000000	8760	0.000000
3566	13.07.2024	CRude tank NO -5 Tank Top	DIPHATCH	Flange	0	1	100	0.000000	8760	0.000000
3567	13.07.2024	CRude tank NO -6 INSIDE DYKE	OUTLET XZV UP STEAM 5012	Flange	0	1	100	0.000000	8760	0.000000
3568	13.07.2024	CRude tank NO -6 INSIDE DYKE	OUTLET XZV down steam 5012	Flange	0	1	100	0.000000	8760	0.000000
3569	13.07.2024	CRude tank NO -6 INSIDE DYKE	MANWAY A	Flange	0	1	100	0.000000	8760	0.000000
3570	13.07.2024	CRude tank NO -6 INSIDE DYKE	MANWAY B	Flange	0	1	100	0.000000	8760	0.000000
3571	13.07.2024	CRude tank NO -6 INSIDE DYKE	MANWAY C	Flange	0	1	100	0.000000	8760	0.000000
3572	13.07.2024	CRude tank NO -6 INSIDE DYKE	WD/A UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3573	13.07.2024	CRude tank NO -6 INSIDE DYKE	WD/A down steam	Flange	0	1	100	0.000000	8760	0.000000
3574	13.07.2024	CRude tank NO -6 INSIDE DYKE	WD/B UP STEAM	Flange	0.4	1	100	0.000002	8760	0.021206
3575	13.07.2024	CRude tank NO -6 INSIDE DYKE	WD/B down steam	Flange	0	1	100	0.000000	8760	0.000000
3576	13.07.2024	CRude tank NO -6 INSIDE DYKE	WD/C UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3577	13.07.2024	CRude tank NO -6 INSIDE DYKE	WD/C down steam	Flange	0.6	1	100	0.000003	8760	0.028200
3578	13.07.2024	CRude tank NO -6 INSIDE DYKE	WD/D UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3579	13.07.2024	CRude tank NO -6 INSIDE DYKE	WD/D down steam	Flange	0	1	100	0.000000	8760	0.000000
3580	13.07.2024	CRude tank NO -6 INSIDE DYKE	CLEAN OUT DOOR	Flange	0.9	1	100	0.000004	8760	0.037501
3581	13.07.2024	CRude tank NO -6 INSIDE DYKE	JET MIXTURE MOV	Flange	0	1	100	0.000000	8760	0.000000
3582	13.07.2024	CRude tank NO -6 INSIDE DYKE	JET MIXTURE MOV	Flange	0.7	1	100	0.000004	8760	0.031427
3583	13.07.2024	CRude tank NO -6 INSIDE DYKE	INLET XZV UP STEAM 5011	Flange	0.3	1	100	0.000002	8760	0.017323
3584	13.07.2024	CRude tank NO -6 INSIDE DYKE	INLET XZV DOWN STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
3585	13.07.2024	OUTSIDE DYKE	INLET MOV UPSTEAM 0047	Flange	0.1	1	100	0.000001	8760	0.008002
3586	13.07.2024	OUTSIDE DYKE	INLET MOV DOWNSTEAM 0047	Flange	0	1	100	0.000000	8760	0.000000
3587	13.07.2024	OUTSIDE DYKE	HEEL STRIPPING MOV UP STEAM	Flange	0.3	1	100	0.000002	8760	0.017323
3588	13.07.2024	OUTSIDE DYKE	HEEL STRIPPING MOV DOWN STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
3589	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3590	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3591	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3592	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3593	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV UP STEAM	Flange	0.3	1	100	0.000002	8760	0.017323
3594	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3595	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV UP STEAM	Flange	0.2	1	100	0.000001	8760	0.013027

3596	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3597	13.07.2024	END FLANGES	CRUDE OUTLET LAST	Flange	0	1	100	0.000000	8760	0.000000
3598	13.07.2024	END FLANGES	CRUDE OUTLET LAST	Flange	3.2	1	100	0.000010	8760	0.091480
3599	13.07.2024	CRude tank NO -6 Tank Top	RIM SEAL EAST	Flange	1.4	1	100	0.000006	8760	0.051160
3600	13.07.2024	CRude tank NO -6 Tank Top	RIM SEAL WEST	Flange	2.7	1	100	0.000009	8760	0.081181
3601	13.07.2024	CRude tank NO -6 Tank Top	RIM SEAL NORTH	Flange	1.9	1	100	0.000007	8760	0.063412
3602	13.07.2024	CRude tank NO -6 Tank Top	RIM SEAL SOUTH	Flange	3.6	1	100	0.000011	8760	0.099377
3603	13.07.2024	CRude tank NO -6 Tank Top	DIPHATCH	Flange	0	1	100	0.000000	8760	0.000000
3604	13.07.2024	CRude tank NO -7 INSIDE DYKE	OUTLET XZV UP STEAM 5014	Flange	0.2	1	100	0.000001	8760	0.013027
3605	13.07.2024	CRude tank NO -7 INSIDE DYKE	OUTLET XZV down steam 5014	Flange	0	1	100	0.000000	8760	0.000000
3606	13.07.2024	CRude tank NO -7 INSIDE DYKE	MANWAY A	Flange	0.3	1	100	0.000002	8760	0.017323
3607	13.07.2024	CRude tank NO -7 INSIDE DYKE	MANWAY B	Flange	0	1	100	0.000000	8760	0.000000
3608	13.07.2024	CRude tank NO -7 INSIDE DYKE	MANWAY C	Flange	0.3	1	100	0.000002	8760	0.017323
3609	13.07.2024	CRude tank NO -7 INSIDE DYKE	WD/A UP STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
3610	13.07.2024	CRude tank NO -7 INSIDE DYKE	WD/A down steam	Flange	0.1	1	100	0.000001	8760	0.008002
3611	13.07.2024	CRude tank NO -7 INSIDE DYKE	WD/B UP STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
3612	13.07.2024	CRude tank NO -7 INSIDE DYKE	WD/B down steam	Flange	0.4	1	100	0.000002	8760	0.021206
3613	13.07.2024	CRude tank NO -7 INSIDE DYKE	WD/C UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3614	13.07.2024	CRude tank NO -7 INSIDE DYKE	WD/C down steam	Flange	0	1	100	0.000000	8760	0.000000
3615	13.07.2024	CRude tank NO -7 INSIDE DYKE	WD/D UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3616	13.07.2024	CRude tank NO -7 INSIDE DYKE	WD/D down steam	Flange	0	1	100	0.000000	8760	0.000000
3617	13.07.2024	CRude tank NO -7 INSIDE DYKE	CLEAN OUT DOOR	Flange	0.6	1	100	0.000003	8760	0.028200
3618	13.07.2024	CRude tank NO -7 INSIDE DYKE	JET MIXTURE MOV 0058	Flange	0	1	100	0.000000	8760	0.000000
3619	13.07.2024	CRude tank NO -7 INSIDE DYKE	JET MIXTURE MOV	Flange	0.7	1	100	0.000004	8760	0.031427
3620	13.07.2024	CRude tank NO -7 INSIDE DYKE	INLET XZV UP STEAM 5013	Flange	0.8	1	100	0.000004	8760	0.034521
3621	13.07.2024	CRude tank NO -7 INSIDE DYKE	INLET XZV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3622	13.07.2024	OUTSIDE DYKE	INLET MOV UPSTEAM 0056	Flange	0.3	1	100	0.000002	8760	0.017323
3623	13.07.2024	OUTSIDE DYKE	INLET MOV DOWNSTEAM 0056	Flange	0.4	1	100	0.000002	8760	0.021206
3624	13.07.2024	OUTSIDE DYKE	HEEL STRIPPING MOV UP STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
3625	13.07.2024	OUTSIDE DYKE	HEEL STRIPPING MOV DOWN STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
3626	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3627	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3628	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV UP STEAM	Flange	0.3	1	100	0.000002	8760	0.017323
3629	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV DOWN STEAM	Flange	0.7	1	100	0.000004	8760	0.031427
3630	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV UP STEAM 0059	Flange	0	1	100	0.000000	8760	0.000000
3631	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3632	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV UP STEAM 0057	Flange	0	1	100	0.000000	8760	0.000000
3633	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3634	13.07.2024	END FLANGES	CRUDE OUTLET LAST	Flange	0	1	100	0.000000	8760	0.000000
3635	13.07.2024	END FLANGES	CRUDE OUTLET LAST	Flange	0	1	100	0.000000	8760	0.000000
3636	13.07.2024	CRude tank NO -7 Tank Top	RIM SEAL EAST	Flange	0	1	100	0.000000	8760	0.000000
3637	13.07.2024	CRude tank NO -7 Tank Top	RIM SEAL WEST	Flange	0	1	100	0.000000	8760	0.000000
3638	13.07.2024	CRude tank NO -7 Tank Top	RIM SEAL NORTH	Flange	0.2	1	100	0.000001	8760	0.013027
3639	13.07.2024	CRude tank NO -7 Tank Top	RIM SEAL SOUTH	Flange	0	1	100	0.000000	8760	0.000000
3640	13.07.2024	CRude tank NO -7 Tank Top	DIPHATCH	Flange	0	1	100	0.000000	8760	0.000000
3641	13.07.2024	CRude tank NO -8 INSIDE DYKE	OUTLET XZV UP STEAM 5016	Flange	0.9	1	100	0.000004	8760	0.037501
3642	13.07.2024	CRude tank NO -8 INSIDE DYKE	OUTLET XZV down steam 5014	Flange	0	1	100	0.000000	8760	0.000000
3643	13.07.2024	CRude tank NO -8 INSIDE DYKE	MANWAY A	Flange	0.4	1	100	0.000002	8760	0.021206
3644	13.07.2024	CRude tank NO -8 INSIDE DYKE	MANWAY B	Flange	0	1	100	0.000000	8760	0.000000
3645	13.07.2024	CRude tank NO -8 INSIDE DYKE	MANWAY C	Flange	0.2	1	100	0.000001	8760	0.013027
3646	13.07.2024	CRude tank NO -8 INSIDE DYKE	WD/A UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3647	13.07.2024	CRude tank NO -8 INSIDE DYKE	WD/A down steam	Flange	0	1	100	0.000000	8760	0.000000
3648	13.07.2024	CRude tank NO -8 INSIDE DYKE	WD/B UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3649	13.07.2024	CRude tank NO -8 INSIDE DYKE	WD/B down steam	Flange	0.1	1	100	0.000001	8760	0.008002
3650	13.07.2024	CRude tank NO -8 INSIDE DYKE	WD/C UP STEAM	Flange	0.3	1	100	0.000002	8760	0.017323
3651	13.07.2024	CRude tank NO -8 INSIDE DYKE	WD/C down steam	Flange	0	1	100	0.000000	8760	0.000000
3652	13.07.2024	CRude tank NO -8 INSIDE DYKE	WD/D UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3653	13.07.2024	CRude tank NO -8 INSIDE DYKE	WD/D down steam	Flange	0.5	1	100	0.000003	8760	0.024807
3654	13.07.2024	CRude tank NO -8 INSIDE DYKE	CLEAN OUT DOOR	Flange	0.2	1	100	0.000001	8760	0.013027
3655	13.07.2024	CRude tank NO -8 INSIDE DYKE	JET MIXTURE MOV 0067	Flange	0.7	1	100	0.000004	8760	0.031427
3656	13.07.2024	CRude tank NO -8 INSIDE DYKE	JET MIXTURE MOV	Flange	0.4	1	100	0.000002	8760	0.021206
3657	13.07.2024	CRude tank NO -8 INSIDE DYKE	INLET XZV UP STEAM 5015	Flange	0	1	100	0.000000	8760	0.000000
3658	13.07.2024	CRude tank NO -8 INSIDE DYKE	INLET XZV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3659	13.07.2024	OUTSIDE DYKE	INLET MOV UPSTEAM 0065	Flange	0	1	100	0.000000	8760	0.000000
3660	13.07.2024	OUTSIDE DYKE	INLET MOV DOWNSTEAM 0065	Flange	0	1	100	0.000000	8760	0.000000
3661	13.07.2024	OUTSIDE DYKE	HEEL STRIPPING MOV UP STEAM	Flange	0.3	1	100	0.000002	8760	0.017323
3662	13.07.2024	OUTSIDE DYKE	HEEL STRIPPING MOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3663	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV UP STEAM 0070	Flange	0	1	100	0.000000	8760	0.000000
3664	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV DOWN STEAM 0070	Flange	0.1	1	100	0.000001	8760	0.008002
3665	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV UP STEAM 0071	Flange	4	1	100	0.000012	8760	0.107017
3666	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV DOWN STEAM 0071	Flange	0.3	1	100	0.000002	8760	0.017323
3667	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV UP STEAM 0068	Flange	0.2	1	100	0.000001	8760	0.013027

3668	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV DOWN STEAM	Flange	0.4	1	100	0.000002	8760	0.021206
3669	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV UP STEAM 0066	Flange	0	1	100	0.000000	8760	0.000000
3670	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV DOWN STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
3671	13.07.2024	END FLANGES	CRUDE OUTLET LAST	Flange	0	1	100	0.000000	8760	0.000000
3672	13.07.2024	CRude tank NO -8 Tank Top	RIM SEAL EAST	Flange	9.2	1	100	0.000022	8760	0.192198
3673	13.07.2024	CRude tank NO -8 Tank Top	RIM SEAL WEST	Flange	3.9	1	100	0.000012	8760	0.105129
3674	13.07.2024	CRude tank NO -8 Tank Top	RIM SEAL NORTH	Flange	11.8	1	100	0.000026	8760	0.228949
3675	13.07.2024	CRude tank NO -8 Tank Top	RIM SEAL SOUTH	Flange	22.6	1	100	0.000041	8760	0.361529
3676	13.07.2024	CRude tank NO -8 Tank Top	DIPHATCH	Flange	7.4	1	100	0.000019	8760	0.164921
3677	13.07.2024	CRude tank NO -9 INSIDE DYKE	OUTLET XZV UP STEAM 5018	Flange	0	1	100	0.000000	8760	0.000000
3678	13.07.2024	CRude tank NO -9 INSIDE DYKE	OUTLET XZV down steam 5018	Flange	0	1	100	0.000000	8760	0.000000
3679	13.07.2024	CRude tank NO -9 INSIDE DYKE	MANWAY A	Flange	0	1	100	0.000000	8760	0.000000
3680	13.07.2024	CRude tank NO -9 INSIDE DYKE	MANWAY B	Flange	0	1	100	0.000000	8760	0.000000
3681	13.07.2024	CRude tank NO -9 INSIDE DYKE	MANWAY C	Flange	0	1	100	0.000000	8760	0.000000
3682	13.07.2024	CRude tank NO -9 INSIDE DYKE	WD/A UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3683	13.07.2024	CRude tank NO -9 INSIDE DYKE	WD/A down steam	Flange	0.3	1	100	0.000002	8760	0.017323
3684	13.07.2024	CRude tank NO -9 INSIDE DYKE	WD/B UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3685	13.07.2024	CRude tank NO -9 INSIDE DYKE	WD/B down steam	Flange	0.4	1	100	0.000002	8760	0.021206
3686	13.07.2024	CRude tank NO -9 INSIDE DYKE	WD/C UP STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
3687	13.07.2024	CRude tank NO -9 INSIDE DYKE	WD/C down steam	Flange	0.1	1	100	0.000001	8760	0.008002
3688	13.07.2024	CRude tank NO -9 INSIDE DYKE	WD/D UP STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
3689	13.07.2024	CRude tank NO -9 INSIDE DYKE	WD/D down steam	Flange	0.1	1	100	0.000001	8760	0.008002
3690	13.07.2024	CRude tank NO -9 INSIDE DYKE	CLEAN OUT DOOR	Flange	0.1	1	100	0.000001	8760	0.008002
3691	13.07.2024	CRude tank NO -9 INSIDE DYKE	JET MIXTURE MOV 0076	Flange	0	1	100	0.000000	8760	0.000000
3692	13.07.2024	CRude tank NO -9 INSIDE DYKE	JET MIXTURE MOV	Flange	0	1	100	0.000000	8760	0.000000
3693	13.07.2024	CRude tank NO -9 INSIDE DYKE	INLET XZV UP STEAM 5017	Flange	0	1	100	0.000000	8760	0.000000
3694	13.07.2024	CRude tank NO -9 INSIDE DYKE	INLET XZV DOWN STEAM 5017	Flange	0	1	100	0.000000	8760	0.000000
3695	13.07.2024	OUTSIDE DYKE	INLET MOV UPSTEAM 0073	Flange	0.5	1	100	0.000003	8760	0.024807
3696	13.07.2024	OUTSIDE DYKE	INLET MOV DOWNSTEAM 0073	Flange	0	1	100	0.000000	8760	0.000000
3697	13.07.2024	OUTSIDE DYKE	HEEL STRIPPING MOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3698	13.07.2024	OUTSIDE DYKE	HEEL STRIPPING MOV DOWN STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
3699	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV UP STEAM 0070	Flange	0.1	1	100	0.000001	8760	0.008002
3700	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV DOWN STEAM 0070	Flange	0.2	1	100	0.000001	8760	0.013027
3701	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV UP STEAM 0071	Flange	0.2	1	100	0.000001	8760	0.013027
3702	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV DOWN STEAM 0071	Flange	0.3	1	100	0.000002	8760	0.017323
3703	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV UP STEAM 0068	Flange	0	1	100	0.000000	8760	0.000000
3704	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV DOWN STEAM	Flange	0.3	1	100	0.000002	8760	0.017323
3705	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV UP STEAM 0066	Flange	0.5	1	100	0.000003	8760	0.024807
3706	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3707	13.07.2024	END FLANGES	CRUDE OUTLET LAST	Flange	0	1	100	0.000000	8760	0.000000
3708	13.07.2024	CRude tank NO -9 Tank Top	RIM SEAL EAST	Flange	0.2	1	100	0.000001	8760	0.013027
3709	13.07.2024	CRude tank NO -9 Tank Top	RIM SEAL WEST	Flange	0.4	1	100	0.000002	8760	0.021206
3710	13.07.2024	CRude tank NO -9 Tank Top	RIM SEAL NORTH	Flange	0	1	100	0.000000	8760	0.000000
3711	13.07.2024	CRude tank NO -9 Tank Top	RIM SEAL SOUTH	Flange	0.9	1	100	0.000004	8760	0.037501
3712	13.07.2024	CRude tank NO -9 Tank Top	DIPHATCH	Flange	0.7	1	100	0.000004	8760	0.031427
3713	13.07.2024	CRude tank NO -10 INSIDE DYKE	OUTLET XZV UP STEAM 5020	Flange	0	1	100	0.000000	8760	0.000000
3714	13.07.2024	CRude tank NO -10 INSIDE DYKE	OUTLET XZV down steam 5020	Flange	0	1	100	0.000000	8760	0.000000
3715	13.07.2024	CRude tank NO -10 INSIDE DYKE	MANWAY A	Flange	0	1	100	0.000000	8760	0.000000
3716	13.07.2024	CRude tank NO -10 INSIDE DYKE	MANWAY B	Flange	0	1	100	0.000000	8760	0.000000
3717	13.07.2024	CRude tank NO -10 INSIDE DYKE	MANWAY C	Flange	0.1	1	100	0.000001	8760	0.008002
3718	13.07.2024	CRude tank NO -10 INSIDE DYKE	WD/A UP STEAM	Flange	0.4	1	100	0.000002	8760	0.021206
3719	13.07.2024	CRude tank NO -10 INSIDE DYKE	WD/A down steam	Flange	0.3	1	100	0.000002	8760	0.017323
3720	13.07.2024	CRude tank NO -10 INSIDE DYKE	WD/B UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3721	13.07.2024	CRude tank NO -10 INSIDE DYKE	WD/B down steam	Flange	0	1	100	0.000000	8760	0.000000
3722	13.07.2024	CRude tank NO -10 INSIDE DYKE	WD/C UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3723	13.07.2024	CRude tank NO -10 INSIDE DYKE	WD/C down steam	Flange	0.2	1	100	0.000001	8760	0.013027
3724	13.07.2024	CRude tank NO -10 INSIDE DYKE	WD/D UP STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
3725	13.07.2024	CRude tank NO -10 INSIDE DYKE	WD/D down steam	Flange	0	1	100	0.000000	8760	0.000000
3726	13.07.2024	CRude tank NO -10 INSIDE DYKE	CLEAN OUT DOOR	Flange	0	1	100	0.000000	8760	0.000000
3727	13.07.2024	CRude tank NO -10 INSIDE DYKE	JET MIXTURE MOV 0085	Flange	0	1	100	0.000000	8760	0.000000
3728	13.07.2024	CRude tank NO -10 INSIDE DYKE	JET MIXTURE MOV	Flange	0.6	1	100	0.000003	8760	0.028200
3729	13.07.2024	CRude tank NO -10 INSIDE DYKE	INLET XZV UP STEAM 5019	Flange	0.2	1	100	0.000001	8760	0.013027
3730	13.07.2024	CRude tank NO -10 INSIDE DYKE	INLET XZV DOWN STEAM 5019	Flange	0	1	100	0.000000	8760	0.000000
3731	13.07.2024	OUTSIDE DYKE	INLET MOV UPSTEAM 0053	Flange	0	1	100	0.000000	8760	0.000000
3732	13.07.2024	OUTSIDE DYKE	INLET MOV DOWNSTEAM 0053	Flange	0	1	100	0.000000	8760	0.000000
3733	13.07.2024	OUTSIDE DYKE	HEEL STRIPPING MOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3734	13.07.2024	OUTSIDE DYKE	HEEL STRIPPING MOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3735	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV UP STEAM 0088	Flange	0.2	1	100	0.000001	8760	0.013027
3736	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV DOWN STEAM 0088	Flange	0	1	100	0.000000	8760	0.000000
3737	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV UP STEAM 0088	Flange	0.1	1	100	0.000001	8760	0.008002
3738	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV DOWN STEAM 0088	Flange	0.1	1	100	0.000001	8760	0.008002
3739	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV UP STEAM 0086	Flange	0.4	1	100	0.000002	8760	0.021206

3740	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV DOWN STEAM	Flange	0.3	1	100	0.000002	8760	0.017323
3741	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV UP STEAM 0084	Flange	0	1	100	0.000000	8760	0.000000
3742	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3743	13.07.2024	END FLANGES	CRUDE OUTLET LAST	Flange	0	1	100	0.000000	8760	0.000000
3744	13.07.2024	CRude tank NO -10 Tank Top	RIM SEAL EAST	Flange	6.7	1	100	0.000018	8760	0.153793
3745	13.07.2024	CRude tank NO -10 Tank Top	RIM SEAL WEST	Flange	14.8	1	100	0.000031	8760	0.268472
3746	13.07.2024	CRude tank NO -10 Tank Top	RIM SEAL NORTH	Flange	11.3	1	100	0.000025	8760	0.222085
3747	13.07.2024	CRude tank NO -10 Tank Top	RIM SEAL SOUTH	Flange	8.9	1	100	0.000021	8760	0.187770
3748	13.07.2024	CRude tank NO -10 Tank Top	DIPHATCH	Flange	4.5	1	100	0.000013	8760	0.116255
3749	13.07.2024	CRude tank NO -11 INSIDE DYKE	OUTLET XZV UP STEAM 5022	Flange	0	1	100	0.000000	8760	0.000000
3750	13.07.2024	CRude tank NO -11 INSIDE DYKE	OUTLET XZV down steam 5022	Flange	0	1	100	0.000000	8760	0.000000
3751	13.07.2024	CRude tank NO -11 INSIDE DYKE	MANWAY A	Flange	0	1	100	0.000000	8760	0.000000
3752	13.07.2024	CRude tank NO -11 INSIDE DYKE	MANWAY B	Flange	0	1	100	0.000000	8760	0.000000
3753	13.07.2024	CRude tank NO -11 INSIDE DYKE	MANWAY C	Flange	0	1	100	0.000000	8760	0.000000
3754	13.07.2024	CRude tank NO -11 INSIDE DYKE	WD/A UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3755	13.07.2024	CRude tank NO -11 INSIDE DYKE	WD/A down steam	Flange	0	1	100	0.000000	8760	0.000000
3756	13.07.2024	CRude tank NO -11 INSIDE DYKE	WD/B UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3757	13.07.2024	CRude tank NO -11 INSIDE DYKE	WD/B down steam	Flange	0	1	100	0.000000	8760	0.000000
3758	13.07.2024	CRude tank NO -11 INSIDE DYKE	WD/C UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3759	13.07.2024	CRude tank NO -11 INSIDE DYKE	WD/C down steam	Flange	0	1	100	0.000000	8760	0.000000
3760	13.07.2024	CRude tank NO -11 INSIDE DYKE	WD/D UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3761	13.07.2024	CRude tank NO -11 INSIDE DYKE	WD/D down steam	Flange	0	1	100	0.000000	8760	0.000000
3762	13.07.2024	CRude tank NO -11 INSIDE DYKE	CLEAN OUT DOOR	Flange	0	1	100	0.000000	8760	0.000000
3763	13.07.2024	CRude tank NO -11 INSIDE DYKE	JET MIXTURE MOV 0094	Flange	0	1	100	0.000000	8760	0.000000
3764	13.07.2024	CRude tank NO -11 INSIDE DYKE	JET MIXTURE MOV	Flange	0	1	100	0.000000	8760	0.000000
3765	13.07.2024	CRude tank NO -11 INSIDE DYKE	INLET XZV UP STEAM 5021	Flange	0	1	100	0.000000	8760	0.000000
3766	13.07.2024	CRude tank NO -11 INSIDE DYKE	INLET XZV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3767	13.07.2024	OUTSIDE DYKE	INLET MOV UPSTEAM 0091	Flange	0	1	100	0.000000	8760	0.000000
3768	13.07.2024	OUTSIDE DYKE	INLET MOV DOWNSTEAM 0091	Flange	0	1	100	0.000000	8760	0.000000
3769	13.07.2024	OUTSIDE DYKE	HEEL STRIPPING MOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3770	13.07.2024	OUTSIDE DYKE	HEEL STRIPPING MOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3771	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV UP STEAM 0098	Flange	0	1	100	0.000000	8760	0.000000
3772	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV DOWN STEAM 0098	Flange	0	1	100	0.000000	8760	0.000000
3773	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV UP STEAM 0097	Flange	0	1	100	0.000000	8760	0.000000
3774	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV DOWN STEAM 0097	Flange	0	1	100	0.000000	8760	0.000000
3775	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV UP STEAM 0095	Flange	0	1	100	0.000000	8760	0.000000
3776	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3777	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV UP STEAM 0093	Flange	0	1	100	0.000000	8760	0.000000
3778	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3779	13.07.2024	END FLANGES	CRUDE OUTLET LAST	Flange	0	1	100	0.000000	8760	0.000000
3780	13.07.2024	END FLANGES	CRUDE RECEIPT HEADER MOV	Flange	0	1	100	0.000000	8760	0.000000
3781	13.07.2024	END FLANGES	CRUDE RECEIPT HEADER MOV	Flange	0	1	100	0.000000	8760	0.000000
3782	13.07.2024	END FLANGES	CRUDE RECEIPT HEADER MOV	Flange	0	1	100	0.000000	8760	0.000000
3783	13.07.2024	END FLANGES	ITT PUMP SUCTION HEADER	Flange	0	1	100	0.000000	8760	0.000000
3784	13.07.2024	END FLANGES	ITT PUMP SUCTION HEADER	Flange	0	1	100	0.000000	8760	0.000000
3785	13.07.2024	END FLANGES	PUMP SUCTION MOV 2 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3786	13.07.2024	END FLANGES	PUMP SUCTION MOV 2 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3787	13.07.2024	END FLANGES	PUMP SUCTION MOV 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3788	13.07.2024	END FLANGES	PUMP SUCTION MOV 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3789	13.07.2024	END FLANGES	ITT MAIN DELIVERY HEADER MOV	Flange	0	1	100	0.000000	8760	0.000000
3790	13.07.2024	END FLANGES	ITT MAIN DELIVERY HEADER MOV	Flange	0	1	100	0	8760	0.000000
3791	13.07.2024	CRude tank NO -11 Tank Top	RIM SEAL EAST	Flange	0	1	100	0.000000	8760	0.000000
3792	13.07.2024	CRude tank NO -11 Tank Top	RIM SEAL WEST	Flange	0	1	100	0.000000	8760	0.000000
3793	13.07.2024	CRude tank NO -11 Tank Top	RIM SEAL NORTH	Flange	0	1	100	0.000000	8760	0.000000
3794	13.07.2024	CRude tank NO -11 Tank Top	RIM SEAL SOUTH	Flange	0	1	100	0.000000	8760	0.000000
3795	13.07.2024	CRude tank NO -11 Tank Top	DIPHATCH	Flange	0	1	100	0.000000	8760	0.000000
3796	13.07.2024	CRude tank NO -11 OTHER FLANGES	CRUDE INLET MOV - 2 - 009 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3797	13.07.2024	CRude tank NO -11 OTHER FLANGES	CRUDE INLET MOV - 2 - 009 DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3798	13.07.2024	CRude tank NO -11 OTHER FLANGES	HOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3799	13.07.2024	CRude tank NO -11 OTHER FLANGES	HOV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3800	13.07.2024	CRude tank NO -11 OTHER FLANGES	PSV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3801	13.07.2024	CRude tank NO -11 OTHER FLANGES	PSV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3802	13.07.2024	CRude tank NO -11 OTHER FLANGES	HOV - 2 UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3803	13.07.2024	CRude tank NO -11 OTHER FLANGES	HOV - 2 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3804	13.07.2024	CRude tank NO -11 OTHER FLANGES	PSV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3805	13.07.2024	CRude tank NO -11 OTHER FLANGES	PSV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3806	13.07.2024	CRUDE BLENDING SYSTEM FLANGE - A	BYEPASS HOV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3807	13.07.2024	CRUDE BLENDING SYSTEM FLANGE - A	BYEPASS HOV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3808	13.07.2024	CRUDE BLENDING SYSTEM FLANGE - A	HOV 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3809	13.07.2024	CRUDE BLENDING SYSTEM FLANGE - A	HOV 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3810	13.07.2024	CRUDE BLENDING SYSTEM FLANGE - A	HOV 2 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3811	13.07.2024	CRUDE BLENDING SYSTEM FLANGE - A	HOV 2 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000

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3884	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 A	BASKET FILTER HOV 2 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3885	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 A	BASKET FILTER HOV 2 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3886	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 A	BASKET FILTER - 1	Flange	0	1	100	0.000000	8760	0.000000
3887	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 A	BASKET FILTER - 2	Flange	0	1	100	0.000000	8760	0.000000
3888	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 A	SUCTION LINE PSV AND MOV	Flange	0	1	100	0.000000	8760	0.000000
3889	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 A	SUCTION LINE PSV AND MOV	Flange	0	1	100	0.000000	8760	0.000000
3890	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 A	PUMP SEAL	Pump Seal	0	1	100	0.000000	8760	0.000000
3891	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 A	DISCHARGE LINE NRV UP STEAM	Flange	0	1	100	0	8760	0.000000
3892	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 A	DISCHARGE LINE NRV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3893	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 A	DISCHARGE LINE MOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3894	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 A	DISCHARGE LINE MOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3895	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 A	DISCHARGE LINE NRV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3896	13.07.2024	FLOW CONTROL VALVE	FCV 1001 UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3897	13.07.2024	FLOW CONTROL VALVE	FCV 1001 DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3898	13.07.2024	FLOW CONTROL VALVE	HOV -1-UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3899	13.07.2024	FLOW CONTROL VALVE	HOV-1- DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3900	13.07.2024	FLOW CONTROL VALVE	HOV-2-UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3901	13.07.2024	FLOW CONTROL VALVE	HOV-2- DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3902	13.07.2024	FLOW CONTROL VALVE	HOV-3- UP STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
3903	13.07.2024	FLOW CONTROL VALVE	HOV-3- DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3904	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 B	SUCTION MOV 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3905	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 B	SUCTION MOV 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3906	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 B	SUCTION MOV 2 UPSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
3907	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 B	SUCTION MOV 2 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3908	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 B	BASKET FILTER HOV 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3909	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 B	BASKET FILTER HOV 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3910	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 B	BASKET FILTER HOV 2 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3911	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 B	BASKET FILTER HOV 2 DOWNSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
3912	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 B	BASKET FILTER - 1	Flange	0	1	100	0.000000	8760	0.000000
3913	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 B	BASKET FILTER - 2	Flange	0	1	100	0.000000	8760	0.000000
3914	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 B	SUCTION LINE PSV AND MOV	Flange	0	1	100	0.000000	8760	0.000000
3915	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 B	SUCTION LINE PSV AND MOV	Flange	0	1	100	0.000000	8760	0.000000
3916	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 B	PUMP SEAL	Pump Seal	0	1	100	0.000000	8760	0.000000
3917	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 B	DISCHARGE LINE NRV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3918	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 B	DISCHARGE LINE NRV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3919	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 B	DISCHARGE LINE MOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3920	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 B	DISCHARGE LINE MOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3921	13.07.2024	FLOW CONTROL VALVE	FCV 1002 UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3922	13.07.2024	FLOW CONTROL VALVE	FCV 1002 DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3923	13.07.2024	FLOW CONTROL VALVE	HOV -1-UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3924	13.07.2024	FLOW CONTROL VALVE	HOV-1- DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3925	13.07.2024	FLOW CONTROL VALVE	HOV-2-UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3926	13.07.2024	FLOW CONTROL VALVE	HOV-2- DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3927	13.07.2024	FLOW CONTROL VALVE	HOV-3- UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3928	13.07.2024	FLOW CONTROL VALVE	HOV-3- DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3929	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 C	SUCTION MOV 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3930	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 C	SUCTION MOV 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3931	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 C	SUCTION MOV 2 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3932	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 C	SUCTION MOV 2 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3933	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 C	BASKET FILTER HOV 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3934	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 C	BASKET FILTER HOV 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3935	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 C	BASKET FILTER HOV 2 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3936	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 C	BASKET FILTER HOV 2 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3937	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 C	BASKET FILTER - 1	Flange	0	1	100	0.000000	8760	0.000000
3938	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 C	BASKET FILTER - 2	Flange	0.1	1	100	0.000001	8760	0.008002
3939	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 C	SUCTION LINE PSV AND MOV	Flange	0	1	100	0.000000	8760	0.000000
3940	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 C	SUCTION LINE PSV AND MOV	Flange	0.1	1	100	0.000001	8760	0.008002
3941	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 C	PUMP SEAL	Pump Seal	0	1	100	0.000000	8760	0.000000
3942	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 C	DISCHARGE LINE NRV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3943	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 C	DISCHARGE LINE NRV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3944	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 C	DISCHARGE LINE MOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3945	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 C	DISCHARGE LINE MOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3946	13.07.2024	FLOW CONTROL VALVE	FCV 1003 UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3947	13.07.2024	FLOW CONTROL VALVE	FCV 1003 DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3948	13.07.2024	FLOW CONTROL VALVE	HOV -1-UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3949	13.07.2024	FLOW CONTROL VALVE	HOV-1- DOWN STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
3950	13.07.2024	FLOW CONTROL VALVE	HOV-2-UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3951	13.07.2024	FLOW CONTROL VALVE	HOV-2- DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3952	13.07.2024	FLOW CONTROL VALVE	HOV-3- UP STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
3953	13.07.2024	FLOW CONTROL VALVE	HOV-3- DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3954	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 D	SUCTION MOV 1 UPSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
3955	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 D	SUCTION MOV 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000

3956	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 D	SUCTION MOV 2 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3957	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 D	SUCTION MOV 2 DOWNSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
3958	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 D	BASKET FILTER HOV 1 UPSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
3959	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 D	BASKET FILTER HOV 1 DOWNSTEAM	Flange	0.2	1	100	0.000001	8760	0.013027
3960	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 D	BASKET FILTER HOV 2 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3961	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 D	BASKET FILTER HOV 2 DOWNSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
3962	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 D	BASKET FILTER - 1	Flange	0	1	100	0.000000	8760	0.000000
3963	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 D	BASKET FILTER - 2	Flange	0	1	100	0.000000	8760	0.000000
3964	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 D	SUCTION LINE PSV AND MOV	Flange	0	1	100	0.000000	8760	0.000000
3965	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 D	SUCTION LINE PSV AND MOV	Flange	0	1	100	0.000000	8760	0.000000
3966	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 D	PUMP SEAL	Pump Seal	0.1	1	100	0.000012	8760	0.108161
3967	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 D	DISCHARGE LINE NRV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3968	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 D	DISCHARGE LINE NRV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3969	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 D	DISCHARGE LINE MOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3970	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 D	DISCHARGE LINE MOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3971	13.07.2024	FLOW CONTROL VALVE	FCV 1004 UP STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
3972	13.07.2024	FLOW CONTROL VALVE	FCV 1004 DOWN STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
3973	13.07.2024	FLOW CONTROL VALVE	HOV -1-UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3974	13.07.2024	FLOW CONTROL VALVE	HOV-1- DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3975	13.07.2024	FLOW CONTROL VALVE	HOV-2-UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3976	13.07.2024	FLOW CONTROL VALVE	HOV-2- DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3977	13.07.2024	FLOW CONTROL VALVE	HOV-3- UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
3978	13.07.2024	FLOW CONTROL VALVE	HOV-3- DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
3979	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 E	SUCTION MOV 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3980	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 E	SUCTION MOV 1 DOWNSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
3981	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 E	SUCTION MOV 2 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3982	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 E	SUCTION MOV 2 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3983	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 E	BASKET FILTER HOV 1 UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3984	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 E	BASKET FILTER HOV 1 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3985	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 E	BASKET FILTER HOV 2 UPSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
3986	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 E	BASKET FILTER HOV 2 DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
3987	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 E	BASKET FILTER - 1	Flange	0	1	100	0.000000	8760	0.000000
3988	13.07.2024	CRUDE CHARGE PUMP FLANGE Z01 - P - 001 E	BASKET FILTER - 2	Flange	0	1	100	0.000000	8760	0.000000

4030	13.07.2024	CRUDE ITT PUMP FLANGE 201 P 002 B	DISCHARGE LINE MOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
4031	13.07.2024	CRUDE ITT PUMP FLANGE 201 P 002 B	DISCHARGE LINE MOV DOWN STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
4032	13.07.2024	CRUDE ITT PUMP FLANGE 201 P 002 B	MOV 1 - UPSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
4033	13.07.2024	CRUDE ITT PUMP FLANGE 201 P 002 B	MOV 1 - DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
4034	13.07.2024	CRUDE ITT PUMP FLANGE 201 P 002 B	MOV 2 - UPSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
4035	13.07.2024	CRUDE ITT PUMP FLANGE 201 P 002 B	MOV 2 - DOWNSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
4036	13.07.2024	CRUDE ITT PUMP FLANGE 201 P 002 B	MOV 3 - UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
4037	13.07.2024	CRUDE ITT PUMP FLANGE 201 P 002 B	MOV 3 - DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
4038	13.07.2024	CRUDE ITT PUMP FLANGE 201 P 002 B	MOV 4 - UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
4039	13.07.2024	CRUDE ITT PUMP FLANGE 201 P 002 B	MOV 4 - DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
4040	13.07.2024	CRUDE ITT PUMP FLANGE 201 P 002 B	MOV 5 - UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
4041	13.07.2024	CRUDE ITT PUMP FLANGE 201 P 002 B	MOV 5 - DOWNSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
4042	13.07.2024	CRUDE ITT PUMP FLANGE 201 P 002 B	STRAINER MOV UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
4043	13.07.2024	CRUDE ITT PUMP FLANGE 201 P 002 B	STRAINER MOV DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
4044	13.07.2024	TPI FLANGE	HOV AT OILY WATER UPSTEM	Flange	0.1	1	100	0.000001	8760	0.008002
4045	13.07.2024	TPI FLANGE	HOV AT OILY WATER DOWNSTEM	Flange	0	1	100	0.000000	8760	0.000000
4046	13.07.2024	TPI FLANGE	FLANGE CONNECTED TO GROUND TANK	Flange	0.1	1	100	0.000001	8760	0.008002
4047	13.07.2024	TPI FLANGE	FLANGE CONNECTED TO TK-1101A	Flange	0.1	1	100	0.000001	8760	0.008002
4048	13.07.2024	TPI FLANGE	FLANGE DISCHARGE LINE OF K-1101A	Flange	0	1	100	0.000000	8760	0.000000
4049	13.07.2024	TPI FLANGE	HOV FLANGE FROM WATER	Flange	0.1	1	100	0.000001	8760	0.008002
4050	13.07.2024	TPI FLANGE	GROUND OILY WATER TANK	Flange	0.1	1	100	0.000001	8760	0.008002
4051	13.07.2024	TPI FLANGE	SUCTION AND DISCHARGE SCREW PUMP	Flange	0	1	100	0.000000	8760	0.000000
4052	13.07.2024	TPI FLANGE	HOV - 1 OILY WATER TO TPI UPSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
4053	13.07.2024	TPI FLANGE	HOV - 1 OILY WATER TO TPI DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
4054	13.07.2024	TPI FLANGE	HOV - 2 OILY WATER TO TPI UPSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
4055	13.07.2024	TPI FLANGE	HOV - 2 OILY WATER TO TPI DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
4056	13.07.2024	TPI FLANGE	SKIMMED OIL LINE TK 1101A	Flange	0.1	1	100	0.000001	8760	0.008002
4057	13.07.2024	TPI FLANGE	SKIMMED OIL LINE TK 1102A	Flange	0	1	100	0.000000	8760	0.000000
4058	13.07.2024	TPI FLANGE	SKIMMED OIL LINE TK 1102C	Flange	0	1	100	0.000000	8760	0.000000
4059	13.07.2024	TPI FLANGE	TPI INLET TK-1101A UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
4060	13.07.2024	TPI FLANGE	TPI INLET TK-1101A DOWNSTEAM	Flange	0.1	1	100	0.000001	8760	0.008002
4061	13.07.2024	TPI FLANGE	TPI INLET TK-1101C UPSTEAM	Flange	0	1	100	0.000000	8760	0.000000
4062	13.07.2024	TPI FLANGE	TPI INLET TK-1101C DOWNSTEAM	Flange	0	1	100	0.000000	8760	0.000000
4063	13.07.2024	TPI FLANGE	FLANGE SUCTION BLOWER OF VOC ABSORBER	Flange	0.1	1	100	0.000001	8760	0.008002
4064	13.07.2024	CRUDE TANK	TK 01 PSVUP STEAM	Flange	0	1	100	0.000000	8760	0.000000
4065	13.07.2024	CRUDE TANK	TK 01 PSV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
4066	13.07.2024	CRUDE TANK	STREAM HOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
4067	13.07.2024	CRUDE TANK	STREAM HOV DOWN STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
4068	13.07.2024	CRUDE TANK	TK 02 PSVUP STEAM	Flange	0	1	100	0.000000	8760	0.000000
4069	13.07.2024	CRUDE TANK	TK 02 PSV DOWN STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
4070	13.07.2024	CRUDE TANK	STREAM HOV UP STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
4071	13.07.2024	CRUDE TANK	STREAM HOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
4072	13.07.2024	CRUDE TANK	TK 03 PSVUP STEAM	Flange	0	1	100	0.000000	8760	0.000000
4073	13.07.2024	CRUDE TANK	TK 03PSV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
4074	13.07.2024	CRUDE TANK	STREAM HOV UP STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
4075	13.07.2024	CRUDE TANK	STREAM HOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
4076	13.07.2024	CRUDE TANK	TK 04 PSVUP STEAM	Flange	0	1	100	0.000000	8760	0.000000
4077	13.07.2024	CRUDE TANK	TK 04PSV DOWN STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
4078	13.07.2024	CRUDE TANK	STREAM HOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
4079	13.07.2024	CRUDE TANK	STREAM HOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
4080	13.07.2024	CRUDE TANK	TK 05 PSVUP STEAM	Flange	0	1	100	0.000000	8760	0.000000
4081	13.07.2024	CRUDE TANK	TK 05PSV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
4082	13.07.2024	CRUDE TANK	STREAM HOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
4083	13.07.2024	CRUDE TANK	STREAM HOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
4084	13.07.2024	CRUDE TANK	TK 06 PSVUP STEAM	Flange	0	1	100	0.000000	8760	0.000000
4085	13.07.2024	CRUDE TANK	TK 06 PSV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
4086	13.07.2024	CRUDE TANK	STREAM HOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
4087	13.07.2024	CRUDE TANK	STREAM HOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
4088	13.07.2024	CRUDE TANK	TK 07 PSVUP STEAM	Flange	0	1	100	0.000000	8760	0.000000
4089	13.07.2024	CRUDE TANK	TK 07 PSV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
4090	13.07.2024	CRUDE TANK	STREAM HOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
4091	13.07.2024	CRUDE TANK	STREAM HOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
4092	13.07.2024	CRUDE TANK	TK 08 PSVUP STEAM	Flange	0	1	100	0.000000	8760	0.000000
4093	13.07.2024	CRUDE TANK	TK 08 PSV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
4094	13.07.2024	CRUDE TANK	STREAM HOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
4095	13.07.2024	CRUDE TANK	STREAM HOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
4096	13.07.2024	CRUDE TANK	TK 09 PSVUP STEAM	Flange	0	1	100	0.000000	8760	0.000000
4097	13.07.2024	CRUDE TANK	TK 09 PSV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
4098	13.07.2024	CRUDE TANK	STREAM HOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
4099	13.07.2024	CRUDE TANK	STREAM HOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
4100	13.07.2024	CRUDE TANK	LAST HOV	Flange	0.3	1	100	0.000002	8760	0.017323
4101	13.07.2024	CRude tank NO -12 INSIDE DYKE	OUTLET XZV UP STEAM 5024	Flange	0	1	100	0.000000	8760	0.000000
4102	13.07.2024	CRude tank NO -12 INSIDE DYKE	OUTLET XZV down steam 5024	Flange	0.2	1	100	0.000001	8760	0.013027

4103	13.07.2024	CRude tank NO -12 INSIDE DYKE	MANWAY A	Flange	0.3	1	100	0.000002	8760	0.017323
4104	13.07.2024	CRude tank NO -12 INSIDE DYKE	MANWAY B	Flange	0.4	1	100	0.000002	8760	0.021206
4105	13.07.2024	CRude tank NO -12 INSIDE DYKE	MANWAY C	Flange	0.2	1	100	0.000001	8760	0.013027
4106	13.07.2024	CRude tank NO -12 INSIDE DYKE	WD/A UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
4107	13.07.2024	CRude tank NO -12 INSIDE DYKE	WD/A down steam	Flange	0	1	100	0.000000	8760	0.000000
4108	13.07.2024	CRude tank NO -12 INSIDE DYKE	WD/B UP STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
4109	13.07.2024	CRude tank NO -12 INSIDE DYKE	WD/B down steam	Flange	0.2	1	100	0.000001	8760	0.013027
4110	13.07.2024	CRude tank NO -12 INSIDE DYKE	WD/C UP STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
4111	13.07.2024	CRude tank NO -12 INSIDE DYKE	WD/C down steam	Flange	0	1	100	0.000000	8760	0.000000
4112	13.07.2024	CRude tank NO -12 INSIDE DYKE	WD/D UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
4113	13.07.2024	CRude tank NO -12 INSIDE DYKE	WD/D down steam	Flange	0	1	100	0.000000	8760	0.000000
4114	13.07.2024	CRude tank NO -12 INSIDE DYKE	CLEAN OUT DOOR	Flange	0	1	100	0.000000	8760	0.000000
4115	13.07.2024	CRude tank NO -12 INSIDE DYKE	JET MIXTURE MOV 0103	Flange	0	1	100	0.000000	8760	0.000000
4116	13.07.2024	CRude tank NO -12 INSIDE DYKE	JET MIXTURE MOV	Flange	0	1	100	0.000000	8760	0.000000
4117	13.07.2024	CRude tank NO -12 INSIDE DYKE	INLET XZV UP STEAM 5023	Flange	0	1	100	0.000000	8760	0.000000
4118	13.07.2024	CRude tank NO -12 INSIDE DYKE	INLET XZV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
4119	13.07.2024	OUTSIDE DYKE	INLET MOV 0100	Flange	0.1	1	100	0.000001	8760	0.008002
4120	13.07.2024	OUTSIDE DYKE	INLET MOV 0101	Flange	0.1	1	100	0.000001	8760	0.008002
4121	13.07.2024	OUTSIDE DYKE	HEEL STRIPPING HOV UP STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
4122	13.07.2024	OUTSIDE DYKE	HEEL STRIPPING HOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
4123	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV UP STEAM 0106	Flange	0.2	1	100	0.000001	8760	0.013027
4124	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV DOWN STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
4125	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV UP STEAM 0107	Flange	0	1	100	0.000000	8760	0.000000
4126	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV DOWN STEAM	Flange	0.3	1	100	0.000002	8760	0.017323
4127	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV UP STEAM 0104	Flange	0.1	1	100	0.000001	8760	0.008002
4128	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV DOWN STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
4129	13.07.2024	OUTSIDE DYKE	ITT DISCHARGE MOV UP STEAM 0102	Flange	0.3	1	100	0.000002	8760	0.017323
4130	13.07.2024	OUTSIDE DYKE	ITT DISCHARGE MOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
4131	13.07.2024	END FLANGES	CRUDE OUTLET LAST	Flange	0.2	1	100	0.000001	8760	0.013027
4132	13.07.2024	CRude tank NO -12 Tank Top	RIM SEAL EAST	Flange	1.2	1	100	0.000005	8760	0.045906
4133	13.07.2024	CRude tank NO -12 Tank Top	RIM SEAL WEST	Flange	2.1	1	100	0.000008	8760	0.068034
4134	13.07.2024	CRude tank NO -12 Tank Top	RIM SEAL NORTH	Flange	2.2	1	100	0.000008	8760	0.070296
4135	13.07.2024	CRude tank NO -12 Tank Top	RIM SEAL SOUTH	Flange	3.1	1	100	0.000010	8760	0.089461
4136	13.07.2024	CRude tank NO -12 Tank Top	DIPHATCH	Flange	1.3	1	100	0.000006	8760	0.048563
4137	13.07.2024	CRude tank NO -13 INSIDE DYKE	OUTLET XZV UP STEAM 5026	Flange	0.9	1	100	0.000004	8760	0.037501
4138	13.07.2024	CRude tank NO -13 INSIDE DYKE	OUTLET XZV down steam 5026	Flange	0.8	1	100	0.000004	8760	0.034521
4139	13.07.2024	CRude tank NO -13 INSIDE DYKE	MANWAY A	Flange	0.6	1	100	0.000003	8760	0.028200
4140	13.07.2024	CRude tank NO -13 INSIDE DYKE	MANWAY B	Flange	0.5	1	100	0.000003	8760	0.024807
4141	13.07.2024	CRude tank NO -13 INSIDE DYKE	MANWAY C	Flange	0.4	1	100	0.000002	8760	0.021206
4142	13.07.2024	CRude tank NO -13 INSIDE DYKE	WD/A UP STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
4143	13.07.2024	CRude tank NO -13 INSIDE DYKE	WD/A down steam	Flange	0	1	100	0.000000	8760	0.000000
4144	13.07.2024	CRude tank NO -13 INSIDE DYKE	WD/B UP STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
4145	13.07.2024	CRude tank NO -13 INSIDE DYKE	WD/B down steam	Flange	0.1	1	100	0.000001	8760	0.008002
4146	13.07.2024	CRude tank NO -13 INSIDE DYKE	WD/C UP STEAM	Flange	0.3	1	100	0.000002	8760	0.017323
4147	13.07.2024	CRude tank NO -13 INSIDE DYKE	WD/C down steam	Flange	0.2	1	100	0.000001	8760	0.013027
4148	13.07.2024	CRude tank NO -13 INSIDE DYKE	WD/D UP STEAM	Flange	0.4	1	100	0.000002	8760	0.021206
4149	13.07.2024	CRude tank NO -13 INSIDE DYKE	WD/D down steam	Flange	0	1	100	0.000000	8760	0.000000
4150	13.07.2024	CRude tank NO -13 INSIDE DYKE	CLEAN OUT DOOR	Flange	0.1	1	100	0.000001	8760	0.008002
4151	13.07.2024	CRude tank NO -13 INSIDE DYKE	JET MIXTURE MOV 0112	Flange	0.2	1	100	0.000001	8760	0.013027
4152	13.07.2024	CRude tank NO -13 INSIDE DYKE	JET MIXTURE MOV	Flange	0.3	1	100	0.000002	8760	0.017323
4153	13.07.2024	CRude tank NO -13 INSIDE DYKE	INLET XZV UP STEAM 5025	Flange	0.1	1	100	0.000001	8760	0.008002
4154	13.07.2024	CRude tank NO -13 INSIDE DYKE	INLET XZV DOWN STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
4155	13.07.2024	OUTSIDE DYKE	INLET MOV 0110	Flange	0.3	1	100	0.000002	8760	0.017323
4156	13.07.2024	OUTSIDE DYKE	INLET MOV 0109	Flange	0.4	1	100	0.000002	8760	0.021206
4157	13.07.2024	OUTSIDE DYKE	HEEL STRIPPING HOV UP STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
4158	13.07.2024	OUTSIDE DYKE	HEEL STRIPPING HOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
4159	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV UP STEAM 0116	Flange	0.2	1	100	0.000001	8760	0.013027
4160	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV DOWN STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
4161	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV UP STEAM 0115	Flange	0.3	1	100	0.000002	8760	0.017323
4162	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV DOWN STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
4163	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV UP STEAM 0113	Flange	0.1	1	100	0.000001	8760	0.008002
4164	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV DOWN STEAM	Flange	0.3	1	100	0.000002	8760	0.017323
4165	13.07.2024	OUTSIDE DYKE	ITT DISCHARGE MOV UP STEAM 0111	Flange	0.1	1	100	0.000001	8760	0.008002
4166	13.07.2024	OUTSIDE DYKE	ITT DISCHARGE MOV DOWN STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
4167	13.07.2024	END FLANGES	CRUDE OUTLET LAST	Flange	0.3	1	100	0.000002	8760	0.017323
4168	13.07.2024	CRude tank NO -13 Tank Top	RIM SEAL EAST	Flange	7.3	1	100	0.000019	8760	0.163351
4169	13.07.2024	CRude tank NO -13 Tank Top	RIM SEAL WEST	Flange	6.2	1	100	0.000017	8760	0.145632
4170	13.07.2024	CRude tank NO -13 Tank Top	RIM SEAL NORTH	Flange	7.4	1	100	0.000019	8760	0.164921
4171	13.07.2024	CRude tank NO -13 Tank Top	RIM SEAL SOUTH	Flange	8.6	1	100	0.000021	8760	0.183298
4172	13.07.2024	CRude tank NO -13 Tank Top	DIPHATCH	Flange	1.9	1	100	0.000007	8760	0.063412

4173	13.07.2024	CRude tank NO -14 INSIDE DYKE	OUTLET XZV UP STEAM 5028	Flange	0.1	1	100	0.000001	8760	0.008002
4174	13.07.2024	CRude tank NO -14 INSIDE DYKE	OUTLET XZV down steam 5028	Flange	0	1	100	0.000000	8760	0.000000
4175	13.07.2024	CRude tank NO -14 INSIDE DYKE	MANWAY A	Flange	0.2	1	100	0.000001	8760	0.013027
4176	13.07.2024	CRude tank NO -14 INSIDE DYKE	MANWAY B	Flange	0.3	1	100	0.000002	8760	0.017323
4177	13.07.2024	CRude tank NO -14 INSIDE DYKE	MANWAY C	Flange	0.2	1	100	0.000001	8760	0.013027
4178	13.07.2024	CRude tank NO -14 INSIDE DYKE	WD/A UP STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
4179	13.07.2024	CRude tank NO -14 INSIDE DYKE	WD/A down steam	Flange	0.3	1	100	0.000002	8760	0.017323
4180	13.07.2024	CRude tank NO -14 INSIDE DYKE	WD/B UP STEAM	Flange	0.4	1	100	0.000002	8760	0.021206
4181	13.07.2024	CRude tank NO -14 INSIDE DYKE	WD/B down steam	Flange	0.5	1	100	0.000003	8760	0.024807
4182	13.07.2024	CRude tank NO -14 INSIDE DYKE	WD/C UP STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
4183	13.07.2024	CRude tank NO -14 INSIDE DYKE	WD/C down steam	Flange	0.3	1	100	0.000002	8760	0.017323
4184	13.07.2024	CRude tank NO -14 INSIDE DYKE	WD/D UP STEAM	Flange	0.4	1	100	0.000002	8760	0.021206
4185	13.07.2024	CRude tank NO -14 INSIDE DYKE	WD/D down steam	Flange	0.2	1	100	0.000001	8760	0.013027
4186	13.07.2024	CRude tank NO -14 INSIDE DYKE	CLEAN OUT DOOR	Flange	0.3	1	100	0.000002	8760	0.017323
4187	13.07.2024	CRude tank NO -14 INSIDE DYKE	JET MIXTURE MOV 0121	Flange	0	1	100	0.000000	8760	0.000000
4188	13.07.2024	CRude tank NO -14 INSIDE DYKE	JET MIXTURE MOV	Flange	0	1	100	0.000000	8760	0.000000
4189	13.07.2024	CRude tank NO -14 INSIDE DYKE	INLET XZV UP STEAM 5027	Flange	0	1	100	0.000000	8760	0.000000
4190	13.07.2024	CRude tank NO -14 INSIDE DYKE	INLET XZV DOWN STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
4191	13.07.2024	OUTSIDE DYKE	INLET MOV 0119	Flange	0.3	1	100	0.000002	8760	0.017323
4192	13.07.2024	OUTSIDE DYKE	INLET MOV 0118	Flange	0	1	100	0.000000	8760	0.000000
4193	13.07.2024	OUTSIDE DYKE	HEEL STRIPPING HOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
4194	13.07.2024	OUTSIDE DYKE	HEEL STRIPPING HOV DOWN STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
4195	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV UP STEAM 0125	Flange	0.1	1	100	0.000001	8760	0.008002
4196	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV DOWN STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
4197	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV UP STEAM 0124	Flange	0.2	1	100	0.000001	8760	0.013027
4198	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV DOWN STEAM	Flange	0.3	1	100	0.000002	8760	0.017323
4199	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV UP STEAM 0122	Flange	0.1	1	100	0.000001	8760	0.008002
4200	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV DOWN STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
4201	13.07.2024	OUTSIDE DYKE	ITT DISCHARGE MOV UP STEAM 0120	Flange	0.1	1	100	0.000001	8760	0.008002
4202	13.07.2024	OUTSIDE DYKE	ITT DISCHARGE MOV DOWN STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
4203	13.07.2024	END FLANGES	CRUDE OUTLET LAST	Flange	0	1	100	0.000000	8760	0.000000
4204	13.07.2024	CRude tank NO -14 Tank Top	RIM SEAL EAST	Flange	7.2	1	100	0.000018	8760	0.161774
4205	13.07.2024	CRude tank NO -14 Tank Top	RIM SEAL WEST	Flange	1.6	1	100	0.000006	8760	0.056195
4206	13.07.2024	CRude tank NO -14 Tank Top	RIM SEAL NORTH	Flange	2.9	1	100	0.000010	8760	0.085363
4207	13.07.2024	CRude tank NO -14 Tank Top	RIM SEAL SOUTH	Flange	13.2	1	100	0.000028	8760	0.247724
4208	13.07.2024	CRude tank NO -14 Tank Top	DIPHATCH	Flange	5.4	1	100	0.000015	8760	0.132153
4209	13.07.2024	CRude tank NO -15 INSIDE DYKE	OUTLET XZV UP STEAM 5030	Flange	0.2	1	100	0.000001	8760	0.013027
4210	13.07.2024	CRude tank NO -15 INSIDE DYKE	OUTLET XZV down steam 5030	Flange	0.3	1	100	0.000002	8760	0.017323
4211	13.07.2024	CRude tank NO -15 INSIDE DYKE	MANWAY A	Flange	0	1	100	0.000000	8760	0.000000
4212	13.07.2024	CRude tank NO -15 INSIDE DYKE	MANWAY B	Flange	0	1	100	0.000000	8760	0.000000
4213	13.07.2024	CRude tank NO -15 INSIDE DYKE	MANWAY C	Flange	0.1	1	100	0.000001	8760	0.008002
4214	13.07.2024	CRude tank NO -15 INSIDE DYKE	WD/A UP STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
4215	13.07.2024	CRude tank NO -15 INSIDE DYKE	WD/A down steam	Flange	0	1	100	0.000000	8760	0.000000
4216	13.07.2024	CRude tank NO -15 INSIDE DYKE	WD/B UP STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
4217	13.07.2024	CRude tank NO -15 INSIDE DYKE	WD/B down steam	Flange	0.2	1	100	0.000001	8760	0.013027
4218	13.07.2024	CRude tank NO -15 INSIDE DYKE	WD/C UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
4219	13.07.2024	CRude tank NO -15 INSIDE DYKE	WD/C down steam	Flange	0	1	100	0.000000	8760	0.000000
4220	13.07.2024	CRude tank NO -15 INSIDE DYKE	WD/D UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
4221	13.07.2024	CRude tank NO -15 INSIDE DYKE	WD/D down steam	Flange	0	1	100	0.000000	8760	0.000000
4222	13.07.2024	CRude tank NO -15 INSIDE DYKE	CLEAN OUT DOOR	Flange	0	1	100	0.000000	8760	0.000000
4223	13.07.2024	CRude tank NO -15 INSIDE DYKE	JET MIXTURE MOV 0130	Flange	0	1	100	0.000000	8760	0.000000
4224	13.07.2024	CRude tank NO -15 INSIDE DYKE	JET MIXTURE MOV	Flange	0	1	100	0.000000	8760	0.000000
4225	13.07.2024	CRude tank NO -15 INSIDE DYKE	INLET XZV UP STEAM 5029	Flange	0	1	100	0.000000	8760	0.000000
4226	13.07.2024	CRude tank NO -15 INSIDE DYKE	INLET XZV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
4227	13.07.2024	OUTSIDE DYKE	INLET MOV 0128	Flange	0	1	100	0.000000	8760	0.000000
4228	13.07.2024	OUTSIDE DYKE	INLET MOV 0127	Flange	0	1	100	0.000000	8760	0.000000
4229	13.07.2024	OUTSIDE DYKE	HEEL STRIPPING HOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
4230	13.07.2024	OUTSIDE DYKE	HEEL STRIPPING HOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
4231	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV UP STEAM 0133	Flange	0	1	100	0.000000	8760	0.000000
4232	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
4233	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV UP STEAM 0134	Flange	0	1	100	0.000000	8760	0.000000
4234	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
4235	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV UP STEAM 0131	Flange	0.2	1	100	0.000001	8760	0.013027
4236	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV DOWN STEAM	Flange	0.3	1	100	0.000002	8760	0.017323
4237	13.07.2024	OUTSIDE DYKE	ITT DISCHARGE MOV UP STEAM 0129	Flange	0	1	100	0.000000	8760	0.000000
4238	13.07.2024	OUTSIDE DYKE	ITT DISCHARGE MOV DOWN STEAM	Flange	3.2	1	100	0.000010	8760	0.091480
4239	13.07.2024	END FLANGES	CRUDE OUTLET LAST	Flange	1.9	1	100	0.000007	8760	0.063412
4240	13.07.2024	CRude tank NO -15 Tank Top	RIM SEAL EAST	Flange	2.7	1	100	0.000009	8760	0.081181
4241	13.07.2024	CRude tank NO -15 Tank Top	RIM SEAL WEST	Flange	58.1	1	100	0.000080	8760	0.702135
4242	13.07.2024	CRude tank NO -15 Tank Top	RIM SEAL NORTH	Flange	4.8	1	100	0.000014	8760	0.121652

4243	13.07.2024	CRude tank NO -15 Tank Top	RIM SEAL SOUTH	Flange	0	1	100	0.000000	8760	0.000000
4244	13.07.2024	CRude tank NO -15 Tank Top	DIPHATCH	Flange	0	1	100	0.000000	8760	0.000000
4245	13.07.2024	CRude tank NO -16 INSIDE DYKE	OUTLET XZV UP STEAM 5032	Flange	0.3	1	100	0.000002	8760	0.017323
4246	13.07.2024	CRude tank NO -16 INSIDE DYKE	OUTLET XZV down steam 5032	Flange	0	1	100	0.000000	8760	0.000000
4247	13.07.2024	CRude tank NO -16 INSIDE DYKE	MANWAY A	Flange	0.1	1	100	0.000001	8760	0.008002
4248	13.07.2024	CRude tank NO -16 INSIDE DYKE	MANWAY B	Flange	0	1	100	0.000000	8760	0.000000
4249	13.07.2024	CRude tank NO -16 INSIDE DYKE	MANWAY C	Flange	0	1	100	0.000000	8760	0.000000
4250	13.07.2024	CRude tank NO -16 INSIDE DYKE	WD/A UP STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
4251	13.07.2024	CRude tank NO -16 INSIDE DYKE	WD/A down steam	Flange	0	1	100	0.000000	8760	0.000000
4252	13.07.2024	CRude tank NO -16 INSIDE DYKE	WD/B UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
4253	13.07.2024	CRude tank NO -16 INSIDE DYKE	WD/B down steam	Flange	0	1	100	0.000000	8760	0.000000
4254	13.07.2024	CRude tank NO -16 INSIDE DYKE	WD/C UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
4255	13.07.2024	CRude tank NO -16 INSIDE DYKE	WD/C down steam	Flange	0	1	100	0.000000	8760	0.000000
4256	13.07.2024	CRude tank NO -16 INSIDE DYKE	WD/D UP STEAM	Flange	0.4	1	100	0.000002	8760	0.021206
4257	13.07.2024	CRude tank NO -16 INSIDE DYKE	WD/D down steam	Flange	0	1	100	0.000000	8760	0.000000
4258	13.07.2024	CRude tank NO -16 INSIDE DYKE	CLEAN OUT DOOR	Flange	0	1	100	0.000000	8760	0.000000
4259	13.07.2024	CRude tank NO -16 INSIDE DYKE	JET MIXTURE MOV 0139	Flange	0	1	100	0.000000	8760	0.000000
4260	13.07.2024	CRude tank NO -16 INSIDE DYKE	JET MIXTURE MOV	Flange	0	1	100	0.000000	8760	0.000000
4261	13.07.2024	CRude tank NO -16 INSIDE DYKE	INLET XZV UP STEAM 5031	Flange	0.5	1	100	0.000003	8760	0.024807
4262	13.07.2024	CRude tank NO -16 INSIDE DYKE	INLET XZV DOWN STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
4263	13.07.2024	OUTSIDE DYKE	INLET MOV 0137	Flange	0.1	1	100	0.000001	8760	0.008002
4264	13.07.2024	OUTSIDE DYKE	INLET MOV 0136	Flange	0	1	100	0.000000	8760	0.000000
4265	13.07.2024	OUTSIDE DYKE	HEEL STRIPPING HOV UP STEAM	Flange	0.3	1	100	0.000002	8760	0.017323
4266	13.07.2024	OUTSIDE DYKE	HEEL STRIPPING HOV DOWN STEAM	Flange	0.2	1	100	0.000001	8760	0.013027
4267	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV UP STEAM 0143	Flange	0.1	1	100	0.000001	8760	0.008002
4268	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV DOWN STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
4269	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV UP STEAM 0142	Flange	0.1	1	100	0.000001	8760	0.008002
4270	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
4271	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV UP STEAM 0140	Flange	0.1	1	100	0.000001	8760	0.008002
4272	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV DOWN STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
4273	13.07.2024	OUTSIDE DYKE	ITT DISCHARGE MOV UP STEAM 0138	Flange	0	1	100	0.000000	8760	0.000000
4274	13.07.2024	OUTSIDE DYKE	ITT DISCHARG MOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
4275	13.07.2024	END FLANGES	CRUDE OUTLET LAST	Flange	0	1	100	0.000000	8760	0.000000
4276	13.07.2024	CRude tank NO -16 Tank Top	RIM SEAL EAST	Flange	8.9	1	100	0.000021	8760	0.187770
4277	13.07.2024	CRude tank NO -16 Tank Top	RIM SEAL WEST	Flange	11.2	1	100	0.000025	8760	0.220702
4278	13.07.2024	CRude tank NO -16 Tank Top	RIM SEAL NORTH	Flange	0.3	1	100	0.000002	8760	0.017323
4279	13.07.2024	CRude tank NO -16 Tank Top	RIM SEAL SOUTH	Flange	0.5	1	100	0.000003	8760	0.024807
4280	13.07.2024	CRude tank NO -16 Tank Top	DIPHATCH	Flange	3.7	1	100	0.000012	8760	0.101310
4281	13.07.2024	CRude tank NO -17 INSIDE DYKE	OUTLET XZV UP STEAM 5034	Flange	0.2	1	100	0.000001	8760	0.013027
4282	13.07.2024	CRude tank NO -17 INSIDE DYKE	OUTLET XZV down steam 5034	Flange	0	1	100	0.000000	8760	0.000000
4283	13.07.2024	CRude tank NO -17 INSIDE DYKE	MANWAY A	Flange	0	1	100	0.000000	8760	0.000000
4284	13.07.2024	CRude tank NO -17 INSIDE DYKE	MANWAY B	Flange	0	1	100	0.000000	8760	0.000000
4285	13.07.2024	CRude tank NO -17 INSIDE DYKE	MANWAY C	Flange	0.2	1	100	0.000001	8760	0.013027
4286	13.07.2024	CRude tank NO -17 INSIDE DYKE	WD/A UP STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
4287	13.07.2024	CRude tank NO -17 INSIDE DYKE	WD/A down steam	Flange	0	1	100	0.000000	8760	0.000000
4288	13.07.2024	CRude tank NO -17 INSIDE DYKE	WD/B UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
4289	13.07.2024	CRude tank NO -17 INSIDE DYKE	WD/B down steam	Flange	0	1	100	0.000000	8760	0.000000
4290	13.07.2024	CRude tank NO -17 INSIDE DYKE	WD/C UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
4291	13.07.2024	CRude tank NO -17 INSIDE DYKE	WD/C down steam	Flange	0.1	1	100	0.000001	8760	0.008002
4292	13.07.2024	CRude tank NO -17 INSIDE DYKE	WD/D UP STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
4293	13.07.2024	CRude tank NO -17 INSIDE DYKE	WD/D down steam	Flange	0	1	100	0.000000	8760	0.000000
4294	13.07.2024	CRude tank NO -17 INSIDE DYKE	CLEAN OUT DOOR	Flange	0	1	100	0.000000	8760	0.000000
4295	13.07.2024	CRude tank NO -17 INSIDE DYKE	JET MIXTURE MOV 0148	Flange	0	1	100	0.000000	8760	0.000000
4296	13.07.2024	CRude tank NO -17 INSIDE DYKE	JET MIXTURE MOV	Flange	0	1	100	0.000000	8760	0.000000
4297	13.07.2024	CRude tank NO -17 INSIDE DYKE	INLET XZV UP STEAM 5033	Flange	0.3	1	100	0.000002	8760	0.017323
4298	13.07.2024	CRude tank NO -17 INSIDE DYKE	INLET XZV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
4299	13.07.2024	OUTSIDE DYKE	INLET MOV 0146	Flange	0.2	1	100	0.000001	8760	0.013027
4300	13.07.2024	OUTSIDE DYKE	INLET MOV 0145	Flange	0.1	1	100	0.000001	8760	0.008002
4301	13.07.2024	OUTSIDE DYKE	HEEL STRIPPING HOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
4302	13.07.2024	OUTSIDE DYKE	HEEL STRIPPING HOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
4303	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV UP STEAM 0152	Flange	0	1	100	0.000000	8760	0.000000
4304	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
4305	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV UP STEAM 0151	Flange	0	1	100	0.000000	8760	0.000000
4306	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
4307	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV UP STEAM 0149	Flange	0	1	100	0.000000	8760	0.000000
4308	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV DOWN STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
4309	13.07.2024	OUTSIDE DYKE	ITT DISCHARGE MOV UP STEAM 0147	Flange	0.1	1	100	0.000001	8760	0.008002
4310	13.07.2024	OUTSIDE DYKE	ITT DISCHARGE MOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
4311	13.07.2024	END FLANGES	CRUDE OUTLET LAST	Flange	0	1	100	0.000000	8760	0.000000
4312	13.07.2024	CRude tank NO -17 Tank Top	RIM SEAL EAST	Flange	1.9	1	100	0.000007	8760	0.063412

4313	13.07.2024	CRude tank NO -17 Tank Top	RIM SEAL WEST	Flange	2.7	1	100	0.000009	8760	0.081181
4314	13.07.2024	CRude tank NO -17 Tank Top	RIM SEAL NORTH	Flange	2.2	1	100	0.000008	8760	0.070296
4315	13.07.2024	CRude tank NO -17 Tank Top	RIM SEAL SOUTH	Flange	2.9	1	100	0.000010	8760	0.085363
4316	13.07.2024	CRude tank NO -17 Tank Top	DIPHATCH	Flange	5.2	1	100	0.000015	8760	0.128693
4317	13.07.2024	CRude tank NO -18 INSIDE DYKE	OUTLET XZV UP STEAM 5036	Flange	0	1	100	0.000000	8760	0.000000
4318	13.07.2024	CRude tank NO -18 INSIDE DYKE	OUTLET XZV down steam 5036	Flange	0	1	100	0.000000	8760	0.000000
4319	13.07.2024	CRude tank NO -18 INSIDE DYKE	MANWAY A	Flange	0	1	100	0.000000	8760	0.000000
4320	13.07.2024	CRude tank NO -18 INSIDE DYKE	MANWAY B	Flange	0	1	100	0.000000	8760	0.000000
4321	13.07.2024	CRude tank NO -18 INSIDE DYKE	MANWAY C	Flange	0	1	100	0.000000	8760	0.000000
4322	13.07.2024	CRude tank NO -18 INSIDE DYKE	WD/A UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
4323	13.07.2024	CRude tank NO -18 INSIDE DYKE	WD/A down steam	Flange	0	1	100	0.000000	8760	0.000000
4324	13.07.2024	CRude tank NO -18 INSIDE DYKE	WD/B UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
4325	13.07.2024	CRude tank NO -18 INSIDE DYKE	WD/B down steam	Flange	0	1	100	0.000000	8760	0.000000
4326	13.07.2024	CRude tank NO -18 INSIDE DYKE	WD/C UP STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
4327	13.07.2024	CRude tank NO -18 INSIDE DYKE	WD/C down steam	Flange	0.1	1	100	0.000001	8760	0.008002
4328	13.07.2024	CRude tank NO -18 INSIDE DYKE	WD/D UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
4329	13.07.2024	CRude tank NO -18 INSIDE DYKE	WD/D down steam	Flange	0.1	1	100	0.000001	8760	0.008002
4330	13.07.2024	CRude tank NO -18 INSIDE DYKE	CLEAN OUT DOOR	Flange	0	1	100	0.000000	8760	0.000000
4331	13.07.2024	CRude tank NO -18 INSIDE DYKE	JET MIXTURE MOV 0157	Flange	0.1	1	100	0.000001	8760	0.008002
4332	13.07.2024	CRude tank NO -18 INSIDE DYKE	JET MIXTURE MOV	Flange	0.1	1	100	0.000001	8760	0.008002
4333	13.07.2024	CRude tank NO -18 INSIDE DYKE	INLET XZV UP STEAM 5035	Flange	0	1	100	0.000000	8760	0.000000
4334	13.07.2024	CRude tank NO -18 INSIDE DYKE	INLET XZV DOWN STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
4335	13.07.2024	OUTSIDE DYKE	INLET MOV 0155	Flange	0.1	1	100	0.000001	8760	0.008002
4336	13.07.2024	OUTSIDE DYKE	INLET MOV 0154	Flange	0	1	100	0.000000	8760	0.000000
4337	13.07.2024	OUTSIDE DYKE	HEEL STRIPPING HOV UP STEAM	Flange	0	1	100	0.000000	8760	0.000000
4338	13.07.2024	OUTSIDE DYKE	HEEL STRIPPING HOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
4339	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV UP STEAM 0161	Flange	0.1	1	100	0.000001	8760	0.008002
4340	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV DOWN STEAM	Flange	0.1	1	100	0.000001	8760	0.008002
4341	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV UP STEAM 0160	Flange	0	1	100	0.000000	8760	0.000000
4342	13.07.2024	OUTSIDE DYKE	PUMP SUCTION HEADER MOV DOWN STEAM	Flange	0.4	1	100	0.000002	8760	0.021206
4343	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV UP STEAM 0158	Flange	0.2	1	100	0.000001	8760	0.013027
4344	13.07.2024	OUTSIDE DYKE	ITT SUCTION MOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
4345	13.07.2024	OUTSIDE DYKE	ITT DISCHARGE MOV UP STEAM 0156	Flange	0	1	100	0.000000	8760	0.000000
4346	13.07.2024	OUTSIDE DYKE	ITT DISCHARGE MOV DOWN STEAM	Flange	0	1	100	0.000000	8760	0.000000
4347	13.07.2024	END FLANGES	CRUDE OUTLET LAST	Flange	0	1	100	0.000000	8760	0.000000
4348	13.07.2024	END FLANGES	CRUDE RECEIPT HEADER LAST	Flange	0	1	100	0.000000	8760	0.000000
4349	13.07.2024	END FLANGES	ITT PUMP SUCTION HEADER LAST	Flange	0.1	1	100	0.000001	8760	0.008002
4350	13.07.2024	END FLANGES	PUMP SUCTION-1 LAST	Flange	0.2	1	100	0.000001	8760	0.013027
4351	13.07.2024	END FLANGES	PUMP SUCTION-2 LAST	Flange	0	1	100	0.000000	8760	0.000000
4352	13.07.2024	END FLANGES	ITT DISCHARGE LAST	Flange	0	1	100	0.000000	8760	0.000000
4353	13.07.2024	CRude tank NO -17 Tank Top	RIM SEAL EAST	Flange	9.3	1	100	0.000022	8760	0.193664
4354	13.07.2024	CRude tank NO -17 Tank Top	RIM SEAL WEST	Flange	7.1	1	100	0.000018	8760	0.160192
4355	13.07.2024	CRude tank NO -17 Tank Top	RIM SEAL NORTH	Flange	5.7	1	100	0.000016	8760	0.137273
4356	13.07.2024	CRude tank NO -17 Tank Top	RIM SEAL SOUTH	Flange	8.8	1	100	0.000021	8760	0.186284
4357	13.07.2024	CRude tank NO -17 Tank Top	DIPHATCH	Flange	5.4	1	100	0.000015	8760	0.132153

REPORT ON

LDAR MONITORING AT

INDIANOIL ADANI VENTURES LIMITED,

SOJ IOCL PARADIP

SEPTEMBER' 2024

SUBMITTED TO



IndianOil Adani Ventures Limited

(Formerly Indian Oiltanking Limited)

Paradip BOOT TRM 80005, IndianOil Adani Ventures, BOOT-3 Terminal, IOCL
Refinery, Jagatsingpur, Paradip, Odisha PIN-754141

SUBMITTED BY:



SGS India Private Limited

CS Plot-512 (P), Mouza, Hanspukuria,
Diamond Harbour Road, PO-Joka, South 24 Parganas
Kolkata - 700104

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1 Introduction

SGS India Private Limited has been contracted to conduct LDAR monitoring at BOOT # 3 & SOJ of IOCL Paradip for 2021-2022 period. Accordingly the measurement of the identified fugitive emission sources within the study area to detect leaking components as per USEPA 21 Guideline were conducted during November-December 2021. Although the leak definition as per CPCB guideline is 3000 ppmv and 5000 ppmv, M/s IOT wanted SGS to report any source emission above 300 ppmv.

1.1 About Industry

IndianOil Adani Ventures Limited (formally known as Indian Oiltanking) jointly owned by IndianOil Corporation and APSEZ provides Infrastructure-led terminalling services to Petroleum, Petrochemical and Chemical companies in India since 1996. Over the past 22 years, the company has evolved into an integrated services provider with niche capabilities in Engineering, Build Capabilities, Operations and Maintenance (O&M) of Storage Terminals. Currently, we operate six terminals in India through various business models including BOO/BOOT (Build, Own, Operate/Transfer) and O&M.

The company brought the concept of independent terminalling in India for Petroleum products, wherein the operator does not own the product and provides services to users on a common user basis. It has pioneered the concepts of 'Build & Own' (BO), 'Build Own Operate' (BOO), BOO & Transfer (BOOT), Operations & Maintenance of third party terminals in India.

The company has also set up a first-of-its kind crude oil and petroleum product storage BOOT project inside Indian Oil Corporation's refinery at Paradip on India's East Coast, wherein the entire offsite storage of crude and finished products has been built.

PARADIP TERMINAL FACTS

Tank Capacity 1,513,968 cbm

Tanks 51

Tank Types Mild steel, pressure vessel steel

Access Types - Vessels, Tank Trucks, Pipeline, Berth

No. of Berths - 1

Products - Clean Petroleum Products, Crude Oil, Gases

Services - Pipeline connections to refineries, Tank-to-tank transfer, Vessel loading and unloading, Truck loading, Blending services, Homogenizing

2 Sampling Schedule & Report Number.

KE24-001767.001 From 24.09.2024 to 30.09.2024

3 Objective

The objective of the studies to Identifying potential fugitive emission sources and quantification of the fugitive emission during oil production in terminals.

A typical industry can emit tons per year of VOCs from leaking equipment, such as valves, connectors, pumps, sampling connections, compressors, pressure relief devices and open-ended lines etc. Process components covering all joints as mentioned above are monitored under "fugitive emission monitoring" program covering all the components in Boot # 3 & SOJ.

4 Present study

- a) Carry out onsite detection through physical scanning for leaks and vented emissions (if any) in the operating assets using portable analyzer according to USEPA Method 21 (sniffing method).
- b) Monitoring and measurement of the identified fugitive emission sources within the study area and tagging the detected leaking components.
- c) The outcome of the study shall focus on the details of the programme undertaken, methodology, findings, monitored fugitive emissions rates, conclusion and recommendations for improvement.

5 Scope of Work

- Fugitive emission monitoring at IOCL Paradip (Boot # 3 & SOJ) terminal.
- Monitoring and measurement of the identified fugitive emission sources (supplied by IOT) within the study area and tagging the detected leaking components as per USEPA method 21.

About LDAR:

Leak Detection and Repair (LDAR) is a program implemented to comply with environmental regulations for reducing the fugitive emissions of targeted chemicals into the environment. Several standards such as *Maximum Achievable Control Technology* (MACT) standards, *New Source Performance Standards* (NSPS), *National Emissions Standards for Hazardous Air Pollutants* (NESHAP) and Central Pollution Control Board (CPCB) require the monitoring and reporting of these fugitive emissions from process equipment.

Process components covering Boot # 3 and SOJ were monitored as LDAR and covered all the components in the process plant. The environmental regulations are prescribed LDAR programs as a means of reducing emissions have very specific standards and applied to a monitoring and repair program. The LDAR study included the following protocols:

- **Types of components (pumps, valves, connectors, Flanges etc.) to be monitored** – All the sources assumed to be leaking source are monitored as per the USEPA Method 21 Protocol.
- **Measured concentration in PPM that indicates a leak** – Emission source is measured at PPM (parts per million) level.
- **Frequency of monitoring** – As per EPA act 1986 page 409, Fugitive emission monitoring program is undertaken every year (including Heat Exchangers and Pump seal as a part of Quarterly Monitoring).
- Method of monitoring
- **Actions to be taken if a leak is discovered** – A leak source above the limit as per EPA act should be reported and repaired immediately and the sources emitting the leak under the limit should be reported and an appropriate action should be undertaken.

- **Length of time in which an initial attempt to repair the leak must be performed** – Depending upon the nature of leak source, a leak source above the limits as per EPA guidelines should be reported and repaired immediately.
- **Actions that must be taken if a leak cannot be repaired within guidelines** – A proper action should be undertaken as a leaking source contributes in air pollution.
- **Record-keeping and reporting requirements** – A proper record should be maintained so that the leak source can be monitored again to see discrepancies if any.

Affected Sources: Each pump, compressor, pressure relief device, sampling connection system, open-ended valve or line, flange and connector that contains or contacts a fluid or gas, that is exceeding more than 5000ppm of pump and compressor seals and 3000 ppm other components is an affected source.

Equipment Leak: A leak is defined as greater than or equal to 3,000 & 5000 ppmv as methane, for organic compounds, as determined by EPA Reference Method 21. Most of the emissions are from valves and connectors because these are most prevalent components and can number in the thousands. The major cause of emissions from valves and connectors is seal or gasket failure due to normal wear or improper maintenance. More than 90% of emissions from the leaking equipment with valves are being the most significant source. The open-ended lines and sampling connections account for as much as 5 – 10% of total VOC emissions from equipment leaks.

Minimum Requirements for an Acceptable Organic LDAR Program:

- Each affected source is screened initially using USEPA Method 21.
- Monthly visual inspections must be performed by industry on each affected source for signs of leakage (e.g. dripping liquid, spraying, misting, clouding, ice formation, distinctive odors, etc.).
- Monitoring of each affected source is to be conducting quarterly using Method 21.

All potential leak points associated with a component must be identified and screened for leaks. The detected leaks by Method 21 test was tagged and repaired. The leak sources are measured after repair and the same is recorded.

6 Methodology of the study:

USEPA Method – 21 was followed to monitor source emissions at IOT/IOCL Paradip.

6.1 Individual Source Surveys.

Leak Definition Based on Concentration. Place the probe inlet at the surface of the component interface where leakage could occur. Move the probe along the interface periphery while

observing the instrument readout. If an increased meter reading is observed, slowly sample the interface where leakage is indicated until the maximum meter reading is obtained. Leave the probe inlet at this maximum reading location for approximately two times the instrument response time. If the maximum observed meter reading is greater than the leak definition in the applicable regulation, record and report the results as specified in the regulation reporting requirements. Examples of the application of this general technique to specific equipment types are:

- **Valves** - The most common source of leaks from valves is the seal between the stem and housing. Place the probe at the interface where the stem exits the packing gland and sample the stem circumference. Also, place the probe at the interface of the packing gland take-up flange seat and sample the periphery. In addition, survey valve housings of multipart assembly at the surface of all interfaces where a leak could occur.

- **Flanges and Other Connections** - For welded flanges, place the probe at the outer edge of the flange-gasket interface and sample the circumference of the flange. Sample other types of nonpermanent joints (such as threaded connections) with a similar traverse.
- **Pumps and Compressors** - Conduct a circumferential traverse at the outer surface of the pump or compressor shaft and seal interface. If the source is a rotating shaft, position the probe inlet within 1 cm of the shaft-seal interface for the survey. If the housing configuration prevents a complete traverse of the shaft periphery, sample all accessible portions. Sample all other joints on the pump or compressor housing where leakage could occur.
- **Pressure Relief Devices** - The configuration of most pressure relief devices prevents sampling at the sealing seat interface. For those devices equipped with an enclosed extension, or horn, place the probe inlet at approximately the center of the exhaust area to the atmosphere.
- **Process Drains** - For open drains, place the probe inlet at approximately the center of the area open to the atmosphere. For covered drains, place the probe at the surface of the cover interface and conduct a peripheral traverse.
- **Access door seals.** Place the probe inlet at the surface of the door seal interface and conduct a peripheral traverse.

Calculation:

(Reference – EPA 1995 Protocol for Equipment Leak Emission Estimation Table 2-10)

Component Type	Default Zero Factor [Kg/hr]	Correlation Equation [Kg/hr]
Valves	[7.8E-06]	$[2.29E-06(SV)^{0.746}]$
Pump Seals	[1.9E-05]	$[5.03E-05(SV)^{0.610}]$
Others	[4.0E-06]	$[1.36E-05(SV)^{0.589}]$
Connectors	[7.5E-06]	$[1.53E-06(SV)^{0.735}]$
Flanges	[3.1E-07]	$[4.61E-06(SV)^{0.703}]$
Open-ended Lines	[2.0E-06]	$[2.20E-06(SV)^{0.704}]$

The default zero factors apply only when the screening value(SV) corrected for background equals 0 ppmv.

The correlation equations apply for actual screening values, corrected for background.

The “other” component type includes instruments, loading arms, pressure relief valves, vents, compressors, dump lever arms, diaphragms, drains, hatches, meters and polished rods stuffing boxes. This “other” component type should be applied for any component type other than connectors, flanges, open-ended lines, pumps or valves.

For example,

Reference USEPA-Method-21)

The screening value (SV) concentration in Valves is 2600 ppm

$$= \text{RF (\% of VOC Flow/100)} * 0.0000023 * SV^{0.746}$$

$$\text{RF} = \text{Response Factor} = 1$$

Response Factors of Different Volatiles (USEPA Method-21):	
Gasoline Vapors	1.05
Naphtha	1.0
Heavy Oil	1.1
Petrol & Diesel	0.8
Gasoline Vapors 2	0.7
Light Oil	1.0

% of VOC Flow = material passing on that particular pipe line.

0.00000227 = Correlation factor

SV = Screening Value in ppm

If we will apply all the values in the below formula

= RF (% of VOC Flow/100) *0.0000023*SV^0.746

= 1 (100/100) *0.0000023*2600^0.746

= 0.000815 kg/hr

Total hours of operation per year are 8760 (24 hours x 365 days)

The volatile emission = 7.109 Kgs/year.

SUMMARY OF THE STUDY

SGS has monitored more than four thousand points in study area selected by IOT at IOCL Paradip Boot # 3 area and more than one thousand points at the Berth at Paradip Port.

TEST RESULTS

SUMMARY SHEET OF TVOC EMISSION MEASUREMENT			
UNIT	NO. OF POINT MEASURE	TOTAL VOC EMISSION IN kg/Hr.	TOTAL VOC EMISSION IN kg/Year
Boot # 3	4357	0.0163	144.98158
SOJ	1417	0.004078	35.7194
TOTAL POINTS	5774	0.020378	180.70098

CONCLUSION:

The results are submitted component wise in the enclosed Annexure-1 As per CPCB guidelines no components detected with more than the standard values of 3000ppmv and 5000ppmv. Hence no recommendations are given for repairing of any leakage sources. However M/s IOT wanted SGS to report any source emission above 300 ppmv and accordingly SGS has tagged and reported for the points with emission of 300 ppmv and above. Total 3 points with emission of 300 ppmv and above were detected at BOOT # 3 and no such point was detected at SOJ area. Maximum Screening Value at Boot # 3 was 1842 ppmv and that at SOJ(Dock Yard at Paradip Port) was 760 ppmv.

Based on the calculation and concentrations of VOC in the equipment, we took default value 1 & 0.8 for Response Factor (RF) as per the product in the lines.

ANNEXURE – 1

TEST RESULTS

LDAR points SOJ

S.NO	Date	Unit	Component ID & Location	Type	SCREEING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
1	28.09.2024	Jetty - Pig Reciver Area Naptha	Battery Limit XZV Up Stream	Flange	0.4	1	100	0.000002	8760	0.0212057
2	28.09.2024	Jetty - Pig Reciver Area Naptha	Battery Limit XZV Down Strem	Flange	0.1	1	100	0.000001	8760	0.0080021
3	28.09.2024	Jetty - Pig Reciver Area Naptha	Isolation MOV - 2 Up Stream	Flange	0	1	100	0.000000	8760	0
4	28.09.2024	Jetty - Pig Reciver Area Naptha	PIG Barrel	Flange	0	1	100	0.000000	8760	0
5	28.09.2024	Jetty - Pig Reciver Area Naptha	Kicker Line	Flange	0	1	100	0.000000	8760	0
6	28.09.2024	Jetty - Pig Reciver Area Naptha	Kicker Line Drain HOV Up Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
7	28.09.2024	Jetty - Pig Reciver Area Naptha	Kicker Line Drain HOV Down Stream	Flange	0	1	100	0.000000	8760	0
8	28.09.2024	Jetty - Pig Reciver Area Naptha	Kicker Line HPV	Flange	0	1	100	0.000000	8760	0
9	28.09.2024	Jetty - Pig Reciver Area Naptha	PIG Barrel Drain HOV -1 Up Stream	Flange	0	1	100	0.000000	8760	0
10	28.09.2024	Jetty - Pig Reciver Area Naptha	PIG Barrel Drain HOV -1 Down Stream	Flange	0	1	100	0.000000	8760	0
11	28.09.2024	Jetty - Pig Reciver Area Naptha	PIG Barrel Drain HOV -2 Up Stream	Flange	0	1	100	0.000000	8760	0
12	28.09.2024	Jetty - Pig Reciver Area Naptha	PIG Barrel Drain HOV -2 Down Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
13	28.09.2024	Jetty - Pig Reciver Area Naptha	PIG Barrel PG Up Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
14	28.09.2024	Jetty - Pig Reciver Area Naptha	PIG Barrel PG Down Stream	Flange	0.2	1	100	0.000001	8760	0.0130265
15	28.09.2024	Jetty - Pig Reciver Area Naptha	PIG Barrel PSV HOV - 1 Up Stream	Flange	0	1	100	0.000000	8760	0
16	28.09.2024	Jetty - Pig Reciver Area Naptha	PIG Barrel PSV HOV - 1 Down Stream	Flange	0	1	100	0.000000	8760	0
17	28.09.2024	Jetty - Pig Reciver Area Naptha	PIG Barrel PSV HOV - 2 Up Stream	Flange	0.2	1	100	0.000001	8760	0.0130265
18	28.09.2024	Jetty - Pig Reciver Area Naptha	PIG Barrel PSV HOV - 2 Down Stream	Flange	0	1	100	0.000000	8760	0
19	28.09.2024	Jetty - Pig Reciver Area Naptha	PIG Barrel Venting Line HOV Up Stream	Flange	0	1	100	0.000000	8760	0
20	28.09.2024	Jetty - Pig Reciver Area Naptha	PIG Barrel Venting Line HOV Down Stream	Flange	0	1	100	0.000000	8760	0
21	28.09.2024	Jetty - Pig Reciver Area Naptha	PIG Barrel Venting Line HPV	Flange	0	1	100	0.000000	8760	0
22	28.09.2024	Jetty - Pig Reciver Area Naptha	Nitrogen Pushing Point Up Stream	Flange	0	1	100	0.000000	8760	0
23	28.09.2024	Jetty - Pig Reciver Area Naptha	Nitrogen Pushing Point Down Stream	Flange	0	1	100	0.000000	8760	0
24	28.09.2024	Jetty - Pig Reciver Area Naptha	Main Line PSV	Flange	0	1	100	0.000000	8760	0
25	28.09.2024	Jetty - Pig Reciver Area Naptha	Main Line PSV HOV - 1 Up Stream	Flange	0	1	100	0.000000	8760	0
26	28.09.2024	Jetty - Pig Reciver Area Naptha	Main Line PSV HOV - 1 Down Stream	Flange	0.1	1	100	0.000001	8760	0.0080021

LDAR points SOJ

S.NO	Date	Unit	Component ID & Location	Type	SCREEING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
27	28.09.2024	Jetty - Pig Reciver Area Naptha	Main Line PSV HOV - 2 Up Stream	Flange	0.2	1	100	0.000001	8760	0.0130265
28	28.09.2024	Jetty - Pig Reciver Area Naptha	Main Line PSV HOV - 2 Down Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
29	28.09.2024	Jetty - Pig Reciver Area Naptha	PIG Barrel to Kicker Line HOV - 1 Up Stream	Flange	0	1	100	0.000000	8760	0
30	28.09.2024	Jetty - Pig Reciver Area Naptha	PIG Barrel to Kicker Line HOV - 1 Down Stream	Flange	0	1	100	0.000000	8760	0
31	28.09.2024	Jetty - Pig Reciver Area Naptha	PIG Barrel to Kicker Line HOV - 2 Up Stream	Flange	0	1	100	0.000000	8760	0
32	28.09.2024	Jetty - Pig Reciver Area Naptha	PIG Barrel to Kicker Line HOV - 2 Down Stream	Flange	0	1	100	0.000000	8760	0
33	28.09.2024	Jetty - Pig Reciver Area Naptha	PIG Barrel to Kicker Line LPD	Flange	0	1	100	0.000000	8760	0
34	28.09.2024	Jetty - Pig Reciver Area Naptha	PIG Barrel to Kicker Line Vent Point Up Stream	Flange	0	1	100	0.000000	8760	0
35	28.09.2024	Jetty - Pig Reciver Area Naptha	PIG Barrel to Kicker Line Vent Point Down Stream	Flange	0	1	100	0.000000	8760	0
36	28.09.2024	Jetty - Pig Reciver Area Naptha	Isolation MOV & Pressure Balancing LineHOV -1 Up Stream	Flange	0	1	100	0.000000	8760	0
37	28.09.2024	Jetty - Pig Reciver Area Naptha	Isolation MOV & Pressure Balancing LineHOV -1 Down Stream	Flange	0	1	100	0.000000	8760	0
38	28.09.2024	Jetty - Pig Reciver Area Naptha	Isolation MOV & Pressure Balancing LineHOV -2 Up Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
39	28.09.2024	Jetty - Pig Reciver Area Naptha	Isolation MOV & Pressure Balancing LineHOV -2 Down Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
40	28.09.2024	Jetty - Pig Reciver Area Naptha	Isolation MOV - Pressure Balancing Line HPV UP Stream	Flange	0	1	100	0.000000	8760	0
41	28.09.2024	Jetty - Pig Reciver Area Naptha	Isolation MOV - Pressure Balancing Line HPV Down Stream	Flange	0	1	100	0.000000	8760	0
42	28.09.2024	Jetty - Pig Reciver Area Naptha	Isolation MOV - Pressure Balancing Line LPD	Flange	0	1	100	0.000000	8760	0
43	28.09.2024	Jetty - Pig Reciver Area Naptha	Battery Limit Main Line PG HOV	Flange	0	1	100	0.000000	8760	0
44	28.09.2024	Jetty - Pig Reciver Area Naptha	PIG Indigator -1	Flange	0	1	100	0.000000	8760	0
45	28.09.2024	Jetty - Pig Reciver Area Naptha	PIG Indigator -2	Flange	0	1	100	0.000000	8760	0
46	28.09.2024	Jetty - Pig Reciver Area Naptha	CBD Line End Flange Up Stream	Flange	0	1	100	0.000000	8760	0

LDAR points SOJ

S.NO	Date	Unit	Component ID & Location	Type	SCREEING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
47	28.09.2024	Jetty - Pig Reciver Area Naptha	CBD Line NRV UpStream	Flange	0	1	100	0.000000	8760	0
48	28.09.2024	Jetty - Pig Reciver Area Naptha	CBD Line NRV Down stream	Flange	0	1	100	0.000000	8760	0
49	28.09.2024	Jetty - Pig Reciver Area MS-R	Battery Limit XZV Up Stream	Flange	1.2	0.8	100	0.000004	8760	0.0367248
50	28.09.2024	Jetty - Pig Reciver Area MS-R	Battery Limit XZV Down Strem	Flange	0	0.8	100	0.000000	8760	0
51	28.09.2024	Jetty - Pig Reciver Area MS-R	Isolation MOV - 2 Up Stream	Flange	0	0.8	100	0.000000	8760	0
52	28.09.2024	Jetty - Pig Reciver Area MS-R	PIG Barrel	Flange	0	0.8	100	0.000000	8760	0
53	28.09.2024	Jetty - Pig Reciver Area MS-R	Kicker Line	Flange	0	0.8	100	0.000000	8760	0
54	28.09.2024	Jetty - Pig Reciver Area MS-R	Kicker Line Drain HOV Up Stream	Flange	0	0.8	100	0.000000	8760	0
55	28.09.2024	Jetty - Pig Reciver Area MS-R	Kicker Line Drain HOV Down Stream	Flange	0	0.8	100	0.000000	8760	0
56	28.09.2024	Jetty - Pig Reciver Area MS-R	Kicker Line HPV	Flange	0	0.8	100	0.000000	8760	0
57	28.09.2024	Jetty - Pig Reciver Area MS-R	PIG Barrel Drain HOV -1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
58	28.09.2024	Jetty - Pig Reciver Area MS-R	PIG Barrel Drain HOV -1 Down Stream	Flange	0	0.8	100	0.000000	8760	0
59	28.09.2024	Jetty - Pig Reciver Area MS-R	PIG Barrel Drain HOV -2 Up Stream	Flange	0	0.8	100	0.000000	8760	0
60	28.09.2024	Jetty - Pig Reciver Area MS-R	PIG Barrel Drain HOV -2 Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
61	28.09.2024	Jetty - Pig Reciver Area MS-R	PIG Barrel PG Up Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
62	28.09.2024	Jetty - Pig Reciver Area MS-R	PIG Barrel PG Down Stream	Flange	0	0.8	100	0.000000	8760	0
63	28.09.2024	Jetty - Pig Reciver Area MS-R	PIG Barrel PSV HOV - 1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
64	28.09.2024	Jetty - Pig Reciver Area MS-R	PIG Barrel PSV HOV - 1 Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
65	28.09.2024	Jetty - Pig Reciver Area MS-R	PIG Barrel PSV HOV - 2 Up Stream	Flange	0	0.8	100	0.000000	8760	0
66	28.09.2024	Jetty - Pig Reciver Area MS-R	PIG Barrel PSV HOV - 2 Down Stream	Flange	0	0.8	100	0.000000	8760	0
67	28.09.2024	Jetty - Pig Reciver Area MS-R	PIG Barrel Venting Line HOV Up Stream	Flange	0	0.8	100	0.000000	8760	0
68	28.09.2024	Jetty - Pig Reciver Area MS-R	PIG Barrel Venting Line HOV Down Stream	Flange	0	0.8	100	0.000000	8760	0
69	28.09.2024	Jetty - Pig Reciver Area MS-R	PIG Barrel Venting Line HPV	Flange	0	0.8	100	0.000000	8760	0
70	28.09.2024	Jetty - Pig Reciver Area MS-R	Nitrogen Pushing Point Up Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
71	28.09.2024	Jetty - Pig Reciver Area MS-R	Nitrogen Pushing Point Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
72	28.09.2024	Jetty - Pig Reciver Area MS-R	Main Line PSV	Flange	0.1	0.8	100	0.000001	8760	0.0064017

LDAR points SOJ

S.NO	Date	Unit	Component ID & Location	Type	SCREEING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
73	28.09.2024	Jetty - Pig Reciver Area MS-R	Main Line PSV HOV - 1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
74	28.09.2024	Jetty - Pig Reciver Area MS-R	Main Line PSV HOV - 1 Down Stream	Flange	0	0.8	100	0.000000	8760	0
75	28.09.2024	Jetty - Pig Reciver Area MS-R	Main Line PSV HOV - 2 Up Stream	Flange	0	0.8	100	0.000000	8760	0
76	28.09.2024	Jetty - Pig Reciver Area MS-R	Main Line PSV HOV - 2 Down Stream	Flange	0	0.8	100	0.000000	8760	0
77	28.09.2024	Jetty - Pig Reciver Area MS-R	PIG Barrel to Kicker Line HOV - 1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
78	28.09.2024	Jetty - Pig Reciver Area MS-R	PIG Barrel to Kicker Line HOV - 1 Down Stream	Flange	0	0.8	100	0.000000	8760	0
79	28.09.2024	Jetty - Pig Reciver Area MS-R	PIG Barrel to Kicker Line LPD	Flange	0	0.8	100	0.000000	8760	0
80	28.09.2024	Jetty - Pig Reciver Area MS-R	PIG Barrel to Kicker Line Vent Point Up Stream	Flange	0	0.8	100	0.000000	8760	0
81	28.09.2024	Jetty - Pig Reciver Area MS-R	PIG Barrel to Kicker Line Vent Point Down Stream	Flange	0	0.8	100	0.000000	8760	0
82	28.09.2024	Jetty - Pig Reciver Area MS-R	Isolation MOV & Pressure Balancing LineHOV -1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
83	28.09.2024	Jetty - Pig Reciver Area MS-R	Isolation MOV & Pressure Balancing LineHOV -1 Down Stream	Flange	0	0.8	100	0.000000	8760	0
84	28.09.2024	Jetty - Pig Reciver Area MS-R	Isolation MOV & Pressure Balancing LineHOV -2Up Stream	Flange	0	0.8	100	0.000000	8760	0
85	28.09.2024	Jetty - Pig Reciver Area MS-R	Isolation MOV & Pressure Balancing LineHOV -2Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
86	28.09.2024	Jetty - Pig Reciver Area MS-R	Isolation MOV - Pressure Balancing Line HPV UP Stream	Flange	0	0.8	100	0.000000	8760	0
87	28.09.2024	Jetty - Pig Reciver Area MS-R	Isolation MOV - Pressure Balancing Line HPV Down Stream	Flange	0	0.8	100	0.000000	8760	0
88	28.09.2024	Jetty - Pig Reciver Area MS-R	Isolation MOV - Pressure Balancing Line LPD	Flange	0	0.8	100	0.000000	8760	0
89	28.09.2024	Jetty - Pig Reciver Area MS-R	Battery Limit Main Line PG HOV	Flange	0.1	0.8	100	0.000001	8760	0.0064017
90	28.09.2024	Jetty - Pig Reciver Area MS-R	PIG Indigator -1	Flange	0.2	0.8	100	0.000001	8760	0.0104212
91	28.09.2024	Jetty - Pig Reciver Area MS-R	PIG Indigator -2	Flange	0	0.8	100	0.000000	8760	0
92	28.09.2024	Jetty - Pig Reciver Area MS-R	CBD Line End Flange Up Stream	Flange	0	0.8	100	0.000000	8760	0

LDAR points SOJ

S.NO	Date	Unit	Component ID & Location	Type	SCREENING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
93	28.09.2024	Jetty - Pig Reciver Area MS-R	CBD Line NRV UpStream	Flange	0	0.8	100	0.000000	8760	0
94	28.09.2024	Jetty - Pig Reciver Area MS-R	CBD Line NRV Down stream	Flange	0	0.8	100	0.000000	8760	0
95	28.09.2024	Jetty - Pig Reciver Area MS-P	Battery Limit XZV Up Stream	Flange	0.9	0.8	100	0.000003	8760	0.0300004
96	28.09.2024	Jetty - Pig Reciver Area MS-P	Battery Limit XZV Down Strem	Flange	1.2	0.8	100	0.000004	8760	0.0367248
97	28.09.2024	Jetty - Pig Reciver Area MS-P	Isolation MOV - 2 Up Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
98	28.09.2024	Jetty - Pig Reciver Area MS-P	PIG Barrel	Flange	0	0.8	100	0.000000	8760	0
99	28.09.2024	Jetty - Pig Reciver Area MS-P	Kicker Line	Flange	0	0.8	100	0.000000	8760	0
100	28.09.2024	Jetty - Pig Reciver Area MS-P	Kicker Line Drain HOV Up Stream	Flange	0	0.8	100	0.000000	8760	0
101	28.09.2024	Jetty - Pig Reciver Area MS-P	Kicker Line Drain HOV Down Stream	Flange	0	0.8	100	0.000000	8760	0
102	28.09.2024	Jetty - Pig Reciver Area MS-P	Kicker Line HPV	Flange	0	0.8	100	0.000000	8760	0
103	28.09.2024	Jetty - Pig Reciver Area MS-P	PIG Barrel Drain HOV -1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
104	28.09.2024	Jetty - Pig Reciver Area MS-P	PIG Barrel Drain HOV -1 Down Stream	Flange	0	0.8	100	0.000000	8760	0
105	28.09.2024	Jetty - Pig Reciver Area MS-P	PIG Barrel Drain HOV -2 Up Stream	Flange	0	0.8	100	0.000000	8760	0
106	28.09.2024	Jetty - Pig Reciver Area MS-P	PIG Barrel Drain HOV -2 Down Stream	Flange	0	0.8	100	0.000000	8760	0
107	28.09.2024	Jetty - Pig Reciver Area MS-P	PIG Barrel PG Up Stream	Flange	0	0.8	100	0.000000	8760	0
108	28.09.2024	Jetty - Pig Reciver Area MS-P	PIG Barrel PG Down Stream	Flange	0	0.8	100	0.000000	8760	0
109	28.09.2024	Jetty - Pig Reciver Area MS-P	PIG Barrel PSV HOV - 1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
110	28.09.2024	Jetty - Pig Reciver Area MS-P	PIG Barrel PSV HOV - 1 Down Stream	Flange	0	0.8	100	0.000000	8760	0
111	28.09.2024	Jetty - Pig Reciver Area MS-P	PIG Barrel PSV HOV - 2 Up Stream	Flange	0	0.8	100	0.000000	8760	0
112	28.09.2024	Jetty - Pig Reciver Area MS-P	PIG Barrel PSV HOV - 2 Down Stream	Flange	0	0.8	100	0.000000	8760	0
113	28.09.2024	Jetty - Pig Reciver Area MS-P	PIG Barrel Venting Line HOV Up Stream	Flange	0	0.8	100	0.000000	8760	0
114	28.09.2024	Jetty - Pig Reciver Area MS-P	PIG Barrel Venting Line HOV Down Stream	Flange	0	0.8	100	0.000000	8760	0
115	28.09.2024	Jetty - Pig Reciver Area MS-P	PIG Barrel Venting Line HPV	Flange	0	0.8	100	0.000000	8760	0
116	28.09.2024	Jetty - Pig Reciver Area MS-P	Nitrogen Pushing Point Up Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
117	28.09.2024	Jetty - Pig Reciver Area MS-P	Nitrogen Pushing Point Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
118	28.09.2024	Jetty - Pig Reciver Area MS-P	Main Line PSV	Flange	0	0.8	100	0.000000	8760	0

LDAR points SOJ

S.NO	Date	Unit	Component ID & Location	Type	SCREEING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
119	28.09.2024	Jetty - Pig Reciver Area MS-P	Main Line PSV HOV - 1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
120	28.09.2024	Jetty - Pig Reciver Area MS-P	Main Line PSV HOV - 1 Down Stream	Flange	0	0.8	100	0.000000	8760	0
121	28.09.2024	Jetty - Pig Reciver Area MS-P	Main Line PSV HOV - 2 Up Stream	Flange	0	0.8	100	0.000000	8760	0
122	28.09.2024	Jetty - Pig Reciver Area MS-P	Main Line PSV HOV - 2 Down Stream	Flange	0	0.8	100	0.000000	8760	0
123	28.09.2024	Jetty - Pig Reciver Area MS-P	PIG Barrel to Kicker Line HOV - 1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
124	28.09.2024	Jetty - Pig Reciver Area MS-P	PIG Barrel to Kicker Line HOV - 1 Down Stream	Flange	0	0.8	100	0.000000	8760	0
125	28.09.2024	Jetty - Pig Reciver Area MS-P	PIG Barrel to Kicker Line HOV - 2 Up Stream	Flange	0	0.8	100	0.000000	8760	0
126	28.09.2024	Jetty - Pig Reciver Area MS-P	PIG Barrel to Kicker Line HOV - 2 Down Stream	Flange	0	0.8	100	0.000000	8760	0
127	28.09.2024	Jetty - Pig Reciver Area MS-P	PIG Barrel to Kicker Line LPD	Flange	0	0.8	100	0.000000	8760	0
128	28.09.2024	Jetty - Pig Reciver Area MS-P	PIG Barrel to Kicker Line Vent Point Up Stream	Flange	0	0.8	100	0.000000	8760	0
129	28.09.2024	Jetty - Pig Reciver Area MS-P	PIG Barrel to Kicker Line Vent Point Down Stream	Flange	0	0.8	100	0.000000	8760	0
130	28.09.2024	Jetty - Pig Reciver Area MS-P	Isolation MOV & Pressure Balancing LineHOV -1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
131	28.09.2024	Jetty - Pig Reciver Area MS-P	Isolation MOV & Pressure Balancing LineHOV -1 Down Stream	Flange	0	0.8	100	0.000000	8760	0
132	28.09.2024	Jetty - Pig Reciver Area MS-P	Isolation MOV & Pressure Balancing LineHOV -2Up Stream	Flange	0	0.8	100	0.000000	8760	0
133	28.09.2024	Jetty - Pig Reciver Area MS-P	Isolation MOV & Pressure Balancing LineHOV -2Down Stream	Flange	0	0.8	100	0.000000	8760	0
134	28.09.2024	Jetty - Pig Reciver Area MS-P	Isolation MOV - Pressure Balancing Line HPV UP Stream	Flange	0	0.8	100	0.000000	8760	0
135	28.09.2024	Jetty - Pig Reciver Area MS-P	Isolation MOV - Pressure Balancing Line HPV Down Stream	Flange	0	0.8	100	0.000000	8760	0
136	28.09.2024	Jetty - Pig Reciver Area MS-P	Isolation MOV - Pressure Balancing Line LPD	Flange	0	0.8	100	0.000000	8760	0
137	28.09.2024	Jetty - Pig Reciver Area MS-P	Battery Limit Main Line PG HOV	Flange	0	0.8	100	0.000000	8760	0
138	28.09.2024	Jetty - Pig Reciver Area MS-P	PIG Indigator -1	Flange	0	0.8	100	0.000000	8760	0

LDAR points SOJ

S.NO	Date	Unit	Component ID & Location	Type	SCREEING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
139	28.09.2024	Jetty - Pig Reciver Area MS-P	PIG Indigator -2	Flange	0	0.8	100	0.000000	8760	0
140	28.09.2024	Jetty - Pig Reciver Area MS-P	CBD Line End Flange Up Stream	Flange	0	0.8	100	0.000000	8760	0
141	28.09.2024	Jetty - Pig Reciver Area MS-P	CBD Line NRV UpStream	Flange	0	0.8	100	0.000000	8760	0
142	28.09.2024	Jetty - Pig Reciver Area MS-P	CBD Line NRV Down stream	Flange	0	0.8	100	0.000000	8760	0
143	28.09.2024	Jetty - Pig Reciver Area Propylene- (L)	Battery Limit XZV Up Stream	Flange	0	1	100	0.000000	8760	0
144	28.09.2024	Jetty - Pig Reciver Area Propylene- (L)	Battery Limit XZV Down Strem	Flange	0	1	100	0.000000	8760	0
145	28.09.2024	Jetty - Pig Reciver Area Propylene- (L)	Isolation MOV - 2 Up Stream	Flange	0	1	100	0.000000	8760	0
146	28.09.2024	Jetty - Pig Reciver Area Propylene- (L)	PIG Barrel	Flange	0	1	100	0.000000	8760	0
147	28.09.2024	Jetty - Pig Reciver Area Propylene- (L)	Kicker Line	Flange	0	1	100	0.000000	8760	0
148	28.09.2024	Jetty - Pig Reciver Area Propylene- (L)	Kicker Line Drain HOV Up Stream	Flange	0	1	100	0.000000	8760	0
149	28.09.2024	Jetty - Pig Reciver Area Propylene- (L)	Kicker Line Drain HOV Down Stream	Flange	0	1	100	0.000000	8760	0
150	28.09.2024	Jetty - Pig Reciver Area Propylene- (L)	Kicker Line HPV	Flange	0	1	100	0.000000	8760	0
151	28.09.2024	Jetty - Pig Reciver Area Propylene- (L)	PIG Barrel Drain HOV -1 Up Stream	Flange	0	1	100	0.000000	8760	0
152	28.09.2024	Jetty - Pig Reciver Area Propylene- (L)	PIG Barrel Drain HOV -1 Down Stream	Flange	0	1	100	0.000000	8760	0
153	28.09.2024	Jetty - Pig Reciver Area Propylene- (L)	PIG Barrel Drain HOV -2 Up Stream	Flange	0	1	100	0.000000	8760	0
154	28.09.2024	Jetty - Pig Reciver Area Propylene- (L)	PIG Barrel Drain HOV -2 Down Stream	Flange	0	1	100	0.000000	8760	0
155	28.09.2024	Jetty - Pig Reciver Area Propylene- (L)	PIG Barrel PG Up Stream	Flange	0	1	100	0.000000	8760	0
156	28.09.2024	Jetty - Pig Reciver Area Propylene- (L)	PIG Barrel PG Down Stream	Flange	0	1	100	0.000000	8760	0
157	28.09.2024	Jetty - Pig Reciver Area Propylene- (L)	PIG Barrel PSV HOV - 1 Up Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
158	28.09.2024	Jetty - Pig Reciver Area Propylene- (L)	PIG Barrel PSV HOV - 1 Down Stream	Flange	0	1	100	0.000000	8760	0

LDAR points SOJ

S.NO	Date	Unit	Component ID & Location	Type	SCREENING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
159	28.09.2024	Jetty - Pig Reciver Area Propylene- (L)	PIG Barrel PSV HOV - 2 Up Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
160	28.09.2024	Jetty - Pig Reciver Area Propylene- (L)	PIG Barrel PSV HOV - 2 Down Stream	Flange	0.2	1	100	0.000001	8760	0.0130265
161	28.09.2024	Jetty - Pig Reciver Area Propylene- (L)	PIG Barrel Venting Line HOV Up Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
162	28.09.2024	Jetty - Pig Reciver Area Propylene- (L)	PIG Barrel Venting Line HOV Down Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
163	28.09.2024	Jetty - Pig Reciver Area Propylene- (L)	PIG Barrel Venting Line HPV	Flange	0.2	1	100	0.000001	8760	0.0130265
164	28.09.2024	Jetty - Pig Reciver Area Propylene- (L)	Nitrogen Pushing Point Up Stream	Flange	0.2	1	100	0.000001	8760	0.0130265
165	28.09.2024	Jetty - Pig Reciver Area Propylene- (L)	Nitrogen Pushing Point Down Stream	Flange	0	1	100	0.000000	8760	0
166	28.09.2024	Jetty - Pig Reciver Area Propylene- (L)	Main Line PSV	Flange	0	1	100	0.000000	8760	0
167	28.09.2024	Jetty - Pig Reciver Area Propylene- (L)	Main Line PSV HOV - 1 Up Stream	Flange	0	1	100	0.000000	8760	0
168	28.09.2024	Jetty - Pig Reciver Area Propylene- (L)	Main Line PSV HOV - 1 Down Stream	Flange	0	1	100	0.000000	8760	0
169	28.09.2024	Jetty - Pig Reciver Area Propylene- (L)	Main Line PSV HOV - 2 Up Stream	Flange	0	1	100	0.000000	8760	0
170	28.09.2024	Jetty - Pig Reciver Area Propylene- (L)	Main Line PSV HOV - 2 Down Stream	Flange	0	1	100	0.000000	8760	0
171	28.09.2024	Jetty - Pig Reciver Area Propylene- (L)	PIG Barrel to Kicker Line HOV - 1 Up Stream	Flange	760	1	100	0.000489	8760	4.2797361
172	28.09.2024	Jetty - Pig Reciver Area Propylene- (L)	PIG Barrel to Kicker Line HOV - 1 Down Stream	Flange	68	1	100	0.000090	8760	0.7842577
173	28.09.2024	Jetty - Pig Reciver Area Propylene- (L)	PIG Barrel to Kicker Line HOV - 2 Up Stream	Flange	1.4	1	100	0.000006	8760	0.0511603
174	28.09.2024	Jetty - Pig Reciver Area Propylene- (L)	PIG Barrel to Kicker Line HOV - 2 Down Stream	Flange	6.3	1	100	0.000017	8760	0.1472792
175	28.09.2024	Jetty - Pig Reciver Area Propylene- (L)	PIG Barrel to Kicker Line LPD-1	Flange	9.1	1	100	0.000022	8760	0.1907265
176	28.09.2024	Jetty - Pig Reciver Area Propylene- (L)	PIG Barrel to Kicker Line LPD-2	Flange	0.9	1	100	0.000004	8760	0.0375005
177	28.09.2024	Jetty - Pig Reciver Area Propylene- (L)	PIG Barrel to Kicker Line Vent Point Up Stream	Flange	0.8	1	100	0.000004	8760	0.0345205

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S.NO	Date	Unit	Component ID & Location	Type	SCREENING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
178	28.09.2024	Jetty - Pig Reciver Area Propylene- (L)	PIG Barrel to Kicker Line Vent Point Down Stream	Flange	0	1	100	0.000000	8760	0
179	28.09.2024	Jetty - Pig Reciver Area Propylene- (L)	Isolation MOV & Pressure Balancing LineHOV -1 Up Stream	Flange	0	1	100	0.000000	8760	0
180	28.09.2024	Jetty - Pig Reciver Area Propylene- (L)	Isolation MOV & Pressure Balancing LineHOV -1 Down Stream	Flange	2.9	1	100	0.000010	8760	0.0853632
181	28.09.2024	Jetty - Pig Reciver Area Propylene- (L)	Isolation MOV & Pressure Balancing LineHOV -2Up Stream	Flange	3.6	1	100	0.000011	8760	0.099377
182	28.09.2024	Jetty - Pig Reciver Area Propylene- (L)	Isolation MOV & Pressure Balancing LineHOV -2Down Stream	Flange	3.2	1	100	0.000010	8760	0.0914799
183	28.09.2024	Jetty - Pig Reciver Area Propylene- (L)	Isolation MOV - Pressure Balancing Line HPV UP Stream	Flange	1.4	1	100	0.000006	8760	0.0511603
184	28.09.2024	Jetty - Pig Reciver Area Propylene- (L)	Isolation MOV - Pressure Balancing Line HPV Down Stream	Flange	6.1	1	100	0.000016	8760	0.1439766
185	28.09.2024	Jetty - Pig Reciver Area Propylene- (L)	Isolation MOV - Pressure Balancing Line LPD	Flange	0.9	1	100	0.000004	8760	0.0375005
186	28.09.2024	Jetty - Pig Reciver Area Propylene- (L)	Battery Limit Main Line PG HOV	Flange	0	1	100	0.000000	8760	0
187	28.09.2024	Jetty - Pig Reciver Area Propylene- (L)	PIG Indigator -1	Flange	61.1	1	100	0.000083	8760	0.7274313
188	28.09.2024	Jetty - Pig Reciver Area Propylene- (L)	PIG Indigator -2	Flange	0.9	1	100	0.000004	8760	0.0375005
189	28.09.2024	Jetty Top Area - Naptha	Jetty Top MOV Up Stream	Flange	0	1	100	0.000000	8760	0
190	28.09.2024	Jetty Top Area - Naptha	Jetty Top MOV Down Stream	Flange	0	1	100	0.000000	8760	0
191	28.09.2024	Jetty Top Area - Naptha	Jetty Top NRV Up Stream	Flange	0	1	100	0.000000	8760	0
192	28.09.2024	Jetty Top Area - Naptha	Jetty Top NRV Down Stream	Flange	0	1	100	0.000000	8760	0
193	28.09.2024	Jetty Top Area - Naptha	Jetty Top NRV Up Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
194	28.09.2024	Jetty Top Area - Naptha	Jetty Top NRV Down Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
195	28.09.2024	Jetty Top Area - Naptha	HPV Up Stream	Flange	0	1	100	0.000000	8760	0
196	28.09.2024	Jetty Top Area - Naptha	HPV Down Stream	Flange	0	1	100	0.000000	8760	0
197	28.09.2024	Jetty Top Area - Naptha	Heater End Flange	Flange	0	1	100	0.000000	8760	0
198	28.09.2024	Jetty Top Area - MS-R	Jetty Top MOV Up Stream	Flange	0	0.8	100	0.000000	8760	0

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S.NO	Date	Unit	Component ID & Location	Type	SCREENING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
199	28.09.2024	Jetty Top Area - MS-R	Jetty Top MOV Down Stream	Flange	0	0.8	100	0.000000	8760	0
200	28.09.2024	Jetty Top Area - MS-R	Jetty Top NRV Up Stream	Flange	0	0.8	100	0.000000	8760	0
201	28.09.2024	Jetty Top Area - MS-R	Jetty Top NRV Down Stream	Flange	0	0.8	100	0.000000	8760	0
202	28.09.2024	Jetty Top Area - MS-R	Jetty Top NRV Up Stream	Flange	0	0.8	100	0.000000	8760	0
203	28.09.2024	Jetty Top Area - MS-R	Jetty Top NRV Down Stream	Flange	0	0.8	100	0.000000	8760	0
204	28.09.2024	Jetty Top Area - MS-R	HPV Up Stream	Flange	0	0.8	100	0.000000	8760	0
205	28.09.2024	Jetty Top Area - MS-R	HPV Down Stream	Flange	0	0.8	100	0.000000	8760	0
206	28.09.2024	Jetty Top Area - MS-R	Heater End Flange	Flange	0.1	0.8	100	0.000001	8760	0.0064017
207	28.09.2024	Jetty Top Area - MS-P	Jetty Top MOV Up Stream	Flange	0	0.8	100	0.000000	8760	0
208	28.09.2024	Jetty Top Area - MS-P	Jetty Top MOV Down Stream	Flange	0	0.8	100	0.000000	8760	0
209	28.09.2024	Jetty Top Area - MS-P	Jetty Top NRV Up Stream	Flange	0	0.8	100	0.000000	8760	0
210	28.09.2024	Jetty Top Area - MS-P	Jetty Top NRV Down Stream	Flange	0	0.8	100	0.000000	8760	0
211	28.09.2024	Jetty Top Area - MS-P	Jetty Top NRV Up Stream	Flange	0	0.8	100	0.000000	8760	0
212	28.09.2024	Jetty Top Area - MS-P	Jetty Top NRV Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
213	28.09.2024	Jetty Top Area - MS-P	HPV Up Stream	Flange	0	0.8	100	0.000000	8760	0
214	28.09.2024	Jetty Top Area - MS-P	HPV Down Stream	Flange	0	0.8	100	0.000000	8760	0
215	28.09.2024	Jetty Top Area - MS-P	Heater End Flange	Flange	0	0.8	100	0.000000	8760	0
216	28.09.2024	Jetty Top Area - MLA - 04 A	XZV Up Stream	Flange	0	0.8	100	0.000000	8760	0
217	28.09.2024	Jetty Top Area - MLA - 04 A	XZVDown Stream	Flange	0	0.8	100	0.000000	8760	0
218	28.09.2024	Jetty Top Area - MLA - 04 A	Riser Flanges Up Stream	Flange	0	0.8	100	0.000000	8760	0
219	28.09.2024	Jetty Top Area - MLA - 04 A	Riser Flanges Down Stream	Flange	0	0.8	100	0.000000	8760	0
220	28.09.2024	Jetty Top Area - MLA - 04 A	Swivel Joint Up Stream	Flange	0	0.8	100	0.000000	8760	0
221	28.09.2024	Jetty Top Area - MLA - 04 A	Swivel Joint Down Stream	Flange	0	0.8	100	0.000000	8760	0
222	28.09.2024	Jetty Top Area - MLA - 04 A	Swivel Joint Up Stream	Flange	0	0.8	100	0.000000	8760	0
223	28.09.2024	Jetty Top Area - MLA - 04 A	Swivel Joint Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
224	28.09.2024	Jetty Top Area - MLA - 04 A	Swivel Joint Up Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
225	28.09.2024	Jetty Top Area - MLA - 04 A	Swivel Joint Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
226	28.09.2024	Jetty Top Area - MLA - 04 A	Swivel Joint Up Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017

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S.NO	Date	Unit	Component ID & Location	Type	SCREEING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
227	28.09.2024	Jetty Top Area - MLA - 04 A	Swivel Joint Down Stream	Flange	0	0.8	100	0.000000	8760	0
228	28.09.2024	Jetty Top Area - MLA - 04 A	ERC Doble Ball valve Up Stream	Flange	0	0.8	100	0.000000	8760	0
229	28.09.2024	Jetty Top Area - MLA - 04 A	ERC Doble Ball valve Down Stream	Flange	0	0.8	100	0.000000	8760	0
230	28.09.2024	Jetty Top Area - MLA - 04 A	MLA Drain Point	Flange	0	0.8	100	0.000000	8760	0
231	28.09.2024	Jetty Top Area - MLA - 04 A	MLA Drain Hov-1 UP Stream	Flange	0	0.8	100	0.000000	8760	0
232	28.09.2024	Jetty Top Area - MLA - 04 A	MLA Drain Hov-1 Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
233	28.09.2024	Jetty Top Area - MLA - 04 A	MLA Drain Hov-2 UP Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
234	28.09.2024	Jetty Top Area - MLA - 04 A	MLA Drain Hov-2 Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
235	28.09.2024	Jetty Top Area - MLA - 04 A	MLA Drain Hov-3 UP Stream	Flange	0	0.8	100	0.000000	8760	0
236	28.09.2024	Jetty Top Area - MLA - 04 A	MLA Drain Hov-3 Down Stream	Flange	0	0.8	100	0.000000	8760	0
237	28.09.2024	Jetty Top Area - MLA - 04 A	MLA Drain NRV	Flange	0	0.8	100	0.000000	8760	0
238	28.09.2024	Jetty Top Area - MLA - 04 A	Nitrogen Pushing Line HPV	Flange	0	0.8	100	0.000000	8760	0
239	28.09.2024	Jetty Top Area - MLA - 04 A	Nitrogen Pushing Line HOV Down Stream Flanges	Flange	0	0.8	100	0.000000	8760	0
240	28.09.2024	Jetty Top Area - MLA - 04 A	CBD Line End Flanges	Flange	0	0.8	100	0.000000	8760	0
241	28.09.2024	Jetty Top Area - MLA - 04 B	XZV Up Stream	Flange	0	0.8	100	0.000000	8760	0
242	28.09.2024	Jetty Top Area - MLA - 04 B	XZVDown Stream	Flange	0	0.8	100	0.000000	8760	0
243	28.09.2024	Jetty Top Area - MLA - 04 B	Riser Flanges Up Stream	Flange	0	0.8	100	0.000000	8760	0
244	28.09.2024	Jetty Top Area - MLA - 04 B	Riser Flanges Down Stream	Flange	0	0.8	100	0.000000	8760	0
245	28.09.2024	Jetty Top Area - MLA - 04 B	Swivel Joint Up Stream	Flange	0	0.8	100	0.000000	8760	0
246	28.09.2024	Jetty Top Area - MLA - 04 B	Swivel Joint Down Stream	Flange	0	0.8	100	0.000000	8760	0
247	28.09.2024	Jetty Top Area - MLA - 04 B	Swivel Joint Up Stream	Flange	0	0.8	100	0.000000	8760	0
248	28.09.2024	Jetty Top Area - MLA - 04 B	Swivel Joint Down Stream	Flange	0	0.8	100	0.000000	8760	0
249	28.09.2024	Jetty Top Area - MLA - 04 B	Swivel Joint Up Stream	Flange	0	0.8	100	0.000000	8760	0
250	28.09.2024	Jetty Top Area - MLA - 04 B	Swivel Joint Down Stream	Flange	0	0.8	100	0.000000	8760	0
251	28.09.2024	Jetty Top Area - MLA - 04 B	Swivel Joint Up Stream	Flange	0	0.8	100	0.000000	8760	0
252	28.09.2024	Jetty Top Area - MLA - 04 B	Swivel Joint Down Stream	Flange	0	0.8	100	0.000000	8760	0

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S.NO	Date	Unit	Component ID & Location	Type	SCREEING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
253	28.09.2024	Jetty Top Area - MLA - 04 B	ERC Doble Ball valve Up Stream	Flange	0	0.8	100	0.000000	8760	0
254	28.09.2024	Jetty Top Area - MLA - 04 B	ERC Doble Ball valve Down Stream	Flange	0	0.8	100	0.000000	8760	0
255	28.09.2024	Jetty Top Area - MLA - 04 B	MLA Drain Point	Flange	0	0.8	100	0.000000	8760	0
256	28.09.2024	Jetty Top Area - MLA - 04 B	MLA Drain Hov-1 UP Stream	Flange	0	0.8	100	0.000000	8760	0
257	28.09.2024	Jetty Top Area - MLA - 04 B	MLA Drain Hov-1 Down Stream	Flange	0	0.8	100	0.000000	8760	0
258	28.09.2024	Jetty Top Area - MLA - 04 B	MLA Drain Hov-2 UP Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
259	28.09.2024	Jetty Top Area - MLA - 04 B	MLA Drain Hov-2 Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
260	28.09.2024	Jetty Top Area - MLA - 04 B	MLA Drain Hov-3 UP Stream	Flange	0	0.8	100	0.000000	8760	0
261	28.09.2024	Jetty Top Area - MLA - 04 B	MLA Drain Hov-3 Down Stream	Flange	0	0.8	100	0.000000	8760	0
262	28.09.2024	Jetty Top Area - MLA - 04 B	MLA Drain NRV	Flange	0	0.8	100	0.000000	8760	0
263	28.09.2024	Jetty Top Area - MLA - 04 B	Nitrogen Pushing Line HPV	Flange	0	0.8	100	0.000000	8760	0
264	28.09.2024	Jetty Top Area - MLA - 04 B	Nitrogen Pushing Line HOV Down Stream Flanges	Flange	0	0.8	100	0.000000	8760	0
265	28.09.2024	Jetty Top Area - MLA - 04 B	CBD Line End Flanges	Flange	0	0.8	100	0.000000	8760	0
266	28.09.2024	Jetty Top Area - Propylene (L)	Jetty Top MOV Up Stream	Flange	0	1	100	0.000000	8760	0
267	28.09.2024	Jetty Top Area - Propylene (L)	Jetty Top MOV Down Stream	Flange	0	1	100	0.000000	8760	0
268	28.09.2024	Jetty Top Area - Propylene (L)	Jetty Top LPD UP Flange	Flange	0	1	100	0.000000	8760	0
269	28.09.2024	Jetty Top Area - Propylene (L)	Jetty Top LPD END Flange	Flange	0	1	100	0.000000	8760	0
270	28.09.2024	Jetty Top Area - MLA - 26	XZV Up Stream	Flange	1.6	1	100	0.000006	8760	0.0561955
271	28.09.2024	Jetty Top Area - MLA - 26	XZVDown Stream	Flange	1.2	1	100	0.000005	8760	0.045906
272	28.09.2024	Jetty Top Area - MLA - 26	Riser Flanges Up Stream	Flange	2.1	1	100	0.000008	8760	0.0680339
273	28.09.2024	Jetty Top Area - MLA - 26	Riser Flanges Down Stream	Flange	3.2	1	100	0.000010	8760	0.0914799
274	28.09.2024	Jetty Top Area - MLA - 26	Swivel Joint Up Stream	Flange	3.1	1	100	0.000010	8760	0.0894607
275	28.09.2024	Jetty Top Area - MLA - 26	Swivel Joint Down Stream	Flange	3.2	1	100	0.000010	8760	0.0914799
276	28.09.2024	Jetty Top Area - MLA - 26	Swivel Joint Up Stream	Flange	6.1	1	100	0.000016	8760	0.1439766
277	28.09.2024	Jetty Top Area - MLA - 26	Swivel Joint Down Stream	Flange	6.5	1	100	0.000017	8760	0.1505508
278	28.09.2024	Jetty Top Area - MLA - 26	Swivel Joint Up Stream	Flange	1.6	1	100	0.000006	8760	0.0561955

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279	28.09.2024	Jetty Top Area - MLA - 26	Swivel Joint Down Stream	Flange	1.2	1	100	0.000005	8760	0.045906
280	28.09.2024	Jetty Top Area - MLA - 26	Swivel Joint Up Stream	Flange	3.3	1	100	0.000011	8760	0.0934804
281	28.09.2024	Jetty Top Area - MLA - 26	Swivel Joint Down Stream	Flange	5.1	1	100	0.000014	8760	0.1269483
282	28.09.2024	Jetty Top Area - MLA - 26	ERC Doble Ball valve Up Stream	Flange	6.2	1	100	0.000017	8760	0.1456319
283	28.09.2024	Jetty Top Area - MLA - 26	ERC Doble Ball valve Down Stream	Flange	2.1	1	100	0.000008	8760	0.0680339
284	28.09.2024	Jetty Top Area - MLA - 26	MLA Drain Hov-1 UP Stream	Flange	2.6	1	100	0.000009	8760	0.0790554
285	28.09.2024	Jetty Top Area - MLA - 26	MLA Drain Hov-1 Down Stream	Flange	2.1	1	100	0.000008	8760	0.0680339
286	28.09.2024	Jetty Top Area - MLA - 26	MLA Drain Hov-2 UP Stream	Flange	1.6	1	100	0.000006	8760	0.0561955
287	28.09.2024	Jetty Top Area - MLA - 26	MLA Drain Hov-2 Down Stream	Flange	0.6	1	100	0.000003	8760	0.0281998
288	28.09.2024	Jetty Top Area - MLA - 26	MLA Drain Hov-3 UP Stream	Flange	0.8	1	100	0.000004	8760	0.0345205
289	28.09.2024	Jetty Top Area - MLA - 26	MLA Drain Hov-3 Down Stream	Flange	0.2	1	100	0.000001	8760	0.0130265
290	28.09.2024	Jetty Top Area - MLA - 26	MLA Drain Hov-4 UP Stream	Flange	1.2	1	100	0.000005	8760	0.045906
291	28.09.2024	Jetty Top Area - MLA - 26	MLA Drain Hov-4 Down Stream	Flange	0.9	1	100	0.000004	8760	0.0375005
292	28.09.2024	Jetty Top Area - MLA - 26	MLA Drain Hov-5 UP Stream	Flange	292.4	1	100	0.000250	8760	2.1866895
293	28.09.2024	Jetty Top Area - MLA - 26	MLA Drain Hov-5 Down Stream	Flange	0.8	1	100	0.000004	8760	0.0345205
294	28.09.2024	Jetty Top Area - MLA - 26	Nitrogen Pushing Line HPV	Flange	0.6	1	100	0.000003	8760	0.0281998
295	28.09.2024	Jetty Top Area - MLA - 26	Nitrogen Pushing Line HOV Down Stream Flanges	Flange	1.6	1	100	0.000006	8760	0.0561955
296	28.09.2024	Jetty Top Area - MLA - 26	PT Point A UP Stream	Flange	1.2	1	100	0.000005	8760	0.045906
297	28.09.2024	Jetty Top Area - MLA - 26	PT Point A Down Stream	Flange	0.6	1	100	0.000003	8760	0.0281998
298	28.09.2024	Jetty Top Area - MLA - 26	PT Point B UP Stream	Flange	0.7	1	100	0.000004	8760	0.0314274
299	28.09.2024	Jetty Top Area - MLA - 26	PT Point B Down Stream	Flange	1.3	1	100	0.000006	8760	0.0485632
300	28.09.2024	Jetty Top Area - MLA - 26	PT Point C UP Stream	Flange	1.7	1	100	0.000007	8760	0.0586422
301	28.09.2024	Jetty Top Area - MLA - 26	PT Point C Down Stream	Flange	0.9	1	100	0.000004	8760	0.0375005
302	28.09.2024	Jetty CTMS Naptha	Vapour Elminator HPV Up Stream	Flange	1.7	1	100	0.000007	8760	0.0586422
303	28.09.2024	Jetty CTMS Naptha	Vapour Elminator HPV Down Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
304	28.09.2024	Jetty CTMS Naptha	Main Line PSV	Flange	0.1	1	100	0.000001	8760	0.0080021

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S.NO	Date	Unit	Component ID & Location	Type	SCREENING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
305	28.09.2024	Jetty CTMS Naptha	Main Line PSV U/S Up Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
306	28.09.2024	Jetty CTMS Naptha	Main Line PSV U/S Down Stream	Flange	0	1	100	0.000000	8760	0
307	28.09.2024	Jetty CTMS Naptha	Main Line PSV D/S Up Stream	Flange	0	1	100	0.000000	8760	0
308	28.09.2024	Jetty CTMS Naptha	Main Line PSV D/S Down Stream	Flange	0	1	100	0.000000	8760	0
309	28.09.2024	Jetty CTMS Naptha	Main Line PSV U/S Drain Point	Flange	0	1	100	0.000000	8760	0
310	28.09.2024	Jetty CTMS Naptha	Main Line PSV D/S Drain Point	Flange	0	1	100	0.000000	8760	0
311	28.09.2024	Jetty CTMS Naptha	Vapour Eliminator Inlet	Flange	0	1	100	0.000000	8760	0
312	28.09.2024	Jetty CTMS Naptha	Vapour Eliminator Outlet	Flange	0	1	100	0.000000	8760	0
313	28.09.2024	Jetty CTMS Naptha	Vapour Eliminator Manhole	Flange	0	1	100	0.000000	8760	0
314	28.09.2024	Jetty CTMS Naptha	Vapour Eliminator Drain Point HOV	Flange	0	1	100	0.000000	8760	0
315	28.09.2024	Jetty CTMS Naptha	Vapour Eliminator PSV	Flange	0	1	100	0.000000	8760	0
316	28.09.2024	Jetty CTMS Naptha	Vapour Eliminator PSV U/S HOV Up Stream	Flange	0	1	100	0.000000	8760	0
317	28.09.2024	Jetty CTMS Naptha	Vapour Eliminator PSV U/S HOVDown Stream	Flange	0	1	100	0.000000	8760	0
318	28.09.2024	Jetty CTMS Naptha	Vapour Eliminator PSV D/S HOV Up Stream	Flange	0	1	100	0.000000	8760	0
319	28.09.2024	Jetty CTMS Naptha	Vapour Eliminator PSV D/S HOVDown Stream	Flange	0	1	100	0.000000	8760	0
320	28.09.2024	Jetty CTMS Naptha	Vapour Eliminator PSV U/S Drain Point	Flange	0	1	100	0.000000	8760	0
321	28.09.2024	Jetty CTMS Naptha	Vapour Eliminator PSV D/S Drain Point	Flange	0	1	100	0.000000	8760	0
322	28.09.2024	Jetty CTMS Naptha	Vapour Eliminator Vent Point	Flange	0	1	100	0.000000	8760	0
323	28.09.2024	Jetty CTMS Naptha	Vapour Eliminator HOV -1 Up Stream	Flange	0	1	100	0.000000	8760	0
324	28.09.2024	Jetty CTMS Naptha	Vapour Eliminator HOV -1 down Stream	Flange	0	1	100	0.000000	8760	0
325	28.09.2024	Jetty CTMS Naptha	Vapour Eliminator HOV -2 Up Stream	Flange	0	1	100	0.000000	8760	0
326	28.09.2024	Jetty CTMS Naptha	Vapour Eliminator HOV -2 down Stream	Flange	0	1	100	0.000000	8760	0
327	28.09.2024	Jetty CTMS Naptha	CTMS U/S Ringspacer	Flange	0.1	1	100	0.000001	8760	0.0080021
328	28.09.2024	Jetty CTMS Naptha	Firest Loop Pump U/S HOV Up Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
329	28.09.2024	Jetty CTMS Naptha	Firest Loop Pump U/S HOV Down Stream	Flange	0	1	100	0.000000	8760	0

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S.NO	Date	Unit	Component ID & Location	Type	SCREEING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
330	28.09.2024	Jetty CTMS Naptha	Firest Loop Pump U/S Drain Point HOV Up Stream	Flange	0	1	100	0.000000	8760	0
331	28.09.2024	Jetty CTMS Naptha	Firest Loop Pump U/S Drain Point HOV Down Stream	Flange	0	1	100	0.000000	8760	0
332	28.09.2024	Jetty CTMS Naptha	Firest Loop Pump Up Stream	Flange	0	1	100	0.000000	8760	0
333	28.09.2024	Jetty CTMS Naptha	Firest Loop Pump Down Stream	Flange	0	1	100	0.000000	8760	0
334	28.09.2024	Jetty CTMS Naptha	Flowmeter Up Stream	Flange	0	1	100	0.000000	8760	0
335	28.09.2024	Jetty CTMS Naptha	Flowmeter Down Stream	Flange	0	1	100	0.000000	8760	0
336	28.09.2024	Jetty CTMS Naptha	Firest Loop Pump Discharge PT HOV Up Stream	Flange	0	1	100	0.000000	8760	0
337	28.09.2024	Jetty CTMS Naptha	Firest Loop Pump Discharge PT HOV Down Stream	Flange	0	1	100	0.000000	8760	0
338	28.09.2024	Jetty CTMS Naptha	Firest Loop Pump Discharge TT HOV	Flange	0	1	100	0.000000	8760	0
339	28.09.2024	Jetty CTMS Naptha	Firest Loop Pump D/S Drain Point HOV Up Stream	Flange	0	1	100	0.000000	8760	0
340	28.09.2024	Jetty CTMS Naptha	Firest Loop Pump D/S Drain Point HOV Down Stream	Flange	0	1	100	0.000000	8760	0
341	28.09.2024	Jetty CTMS Naptha	Densitometer - 1 Up Stream	Flange	0	1	100	0.000000	8760	0
342	28.09.2024	Jetty CTMS Naptha	Densitometer - 1 Down Stream	Flange	0	1	100	0.000000	8760	0
343	28.09.2024	Jetty CTMS Naptha	Densitometer - 2 Up Stream	Flange	0	1	100	0.000000	8760	0
344	28.09.2024	Jetty CTMS Naptha	Densitometer - 2 Down Stream	Flange	0	1	100	0.000000	8760	0
345	28.09.2024	Jetty CTMS Naptha	Densitometer U/S HOV - 1 Up Stream	Flange	0	1	100	0.000000	8760	0
346	28.09.2024	Jetty CTMS Naptha	Densitometer U/S HOV - 1 Down Stream	Flange	0	1	100	0.000000	8760	0
347	28.09.2024	Jetty CTMS Naptha	Densitometer U/S HOV - 2 Up Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
348	28.09.2024	Jetty CTMS Naptha	Densitometer U/S HOV - 2 Down Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
349	28.09.2024	Jetty CTMS Naptha	Densitometer D/S HOV - 1 Up Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
350	28.09.2024	Jetty CTMS Naptha	Densitometer D/S HOV - 1 Down Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
351	28.09.2024	Jetty CTMS Naptha	Densitometer D/S HOV - 2 Up Stream	Flange	0	1	100	0.000000	8760	0
352	28.09.2024	Jetty CTMS Naptha	Densitometer D/S HOV - 2 Down Stream	Flange	0	1	100	0.000000	8760	0
353	28.09.2024	Jetty CTMS Naptha	Densitometer D/S HPV	Flange	0	1	100	0.000000	8760	0

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S.NO	Date	Unit	Component ID & Location	Type	SCREENING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
354	28.09.2024	Jetty CTMS Naptha	Sampler HOV - 1 Up Stream	Flange	0	1	100	0.000000	8760	0
355	28.09.2024	Jetty CTMS Naptha	Sampler HOV - 1 Down Stream	Flange	0	1	100	0.000000	8760	0
356	28.09.2024	Jetty CTMS Naptha	Sampler HOV - 2 Up Stream	Flange	0	1	100	0.000000	8760	0
357	28.09.2024	Jetty CTMS Naptha	Sampler HOV - 2 Down Stream	Flange	0	1	100	0.000000	8760	0
358	28.09.2024	Jetty CTMS Naptha	Globe Valve Up Stream	Flange	0	1	100	0.000000	8760	0
359	28.09.2024	Jetty CTMS Naptha	Globe Valve Down Stream	Flange	0	1	100	0.000000	8760	0
360	28.09.2024	Jetty CTMS Naptha	Firest Loop Pump D/S HOV Up Stream	Flange	0	1	100	0.000000	8760	0
361	28.09.2024	Jetty CTMS Naptha	Firest Loop Pump D/S HOV Down Stream	Flange	0	1	100	0.000000	8760	0
362	28.09.2024	Jetty CTMS Naptha	Header Drain HOV - 1 Up Stream	Flange	0	1	100	0.000000	8760	0
363	28.09.2024	Jetty CTMS Naptha	Header Drain HOV - 1 Down Stream	Flange	0	1	100	0.000000	8760	0
364	28.09.2024	Jetty CTMS Naptha	Header Drain HOV - 2 Up Stream	Flange	0	1	100	0.000000	8760	0
365	28.09.2024	Jetty CTMS Naptha	Header Drain HOV - 2 Down Stream	Flange	0	1	100	0.000000	8760	0
366	28.09.2024	Jetty CTMS Naptha	Stream 1 HOV - 1 Up Stream	Flange	0	1	100	0.000000	8760	0
367	28.09.2024	Jetty CTMS Naptha	Stream 1 HOV - 1 Down Stream	Flange	0	1	100	0.000000	8760	0
368	28.09.2024	Jetty CTMS Naptha	Stream 1 HOV - 2 Up Stream	Flange	0	1	100	0.000000	8760	0
369	28.09.2024	Jetty CTMS Naptha	Stream 1 HOV - 2 Down Stream	Flange	0	1	100	0.000000	8760	0
370	28.09.2024	Jetty CTMS Naptha	Stream 1 HOV - 3 Up Stream	Flange	0	1	100	0.000000	8760	0
371	28.09.2024	Jetty CTMS Naptha	Stream 1 HOV - 3 Down Stream	Flange	0	1	100	0.000000	8760	0
372	28.09.2024	Jetty CTMS Naptha	Stream 2 HOV - 1 Up Stream	Flange	0	1	100	0.000000	8760	0
373	28.09.2024	Jetty CTMS Naptha	Stream 2 HOV - 1 Down Stream	Flange	0	1	100	0.000000	8760	0
374	28.09.2024	Jetty CTMS Naptha	Stream 2 HOV - 2 Up Stream	Flange	0	1	100	0.000000	8760	0
375	28.09.2024	Jetty CTMS Naptha	Stream 2 HOV - 2 Down Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
376	28.09.2024	Jetty CTMS Naptha	Stream 2 HOV - 3 Up Stream	Flange	0.2	1	100	0.000001	8760	0.0130265
377	28.09.2024	Jetty CTMS Naptha	Stream 2 HOV - 3 Down Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
378	28.09.2024	Jetty CTMS Naptha	Stream 3 HOV - 1 Up Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
379	28.09.2024	Jetty CTMS Naptha	Stream 3 HOV - 1 Down Stream	Flange	0.2	1	100	0.000001	8760	0.0130265
380	28.09.2024	Jetty CTMS Naptha	Stream 3 HOV - 2 Up Stream	Flange	0	1	100	0.000000	8760	0
381	28.09.2024	Jetty CTMS Naptha	Stream 3 HOV - 2 Down Stream	Flange	0	1	100	0.000000	8760	0

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S.NO	Date	Unit	Component ID & Location	Type	SCREEING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
382	28.09.2024	Jetty CTMS Naptha	Stream 3 HOV - 3 Up Stream	Flange	0	1	100	0.000000	8760	0
383	28.09.2024	Jetty CTMS Naptha	Stream 3 HOV - 3 Down Stream	Flange	0	1	100	0.000000	8760	0
384	28.09.2024	Jetty CTMS Naptha	Stream 4 HOV - 1 Up Stream	Flange	0	1	100	0.000000	8760	0
385	28.09.2024	Jetty CTMS Naptha	Stream 4 HOV - 1 Down Stream	Flange	0	1	100	0.000000	8760	0
386	28.09.2024	Jetty CTMS Naptha	Stream 4 HOV - 2 Up Stream	Flange	0	1	100	0.000000	8760	0
387	28.09.2024	Jetty CTMS Naptha	Stream 4 HOV - 2 Down Stream	Flange	0	1	100	0.000000	8760	0
388	28.09.2024	Jetty CTMS Naptha	Stream 4 HOV - 3 Up Stream	Flange	0	1	100	0.000000	8760	0
389	28.09.2024	Jetty CTMS Naptha	Stream 4 HOV - 3 Down Stream	Flange	0	1	100	0.000000	8760	0
390	28.09.2024	Jetty CTMS Naptha	Back Filter- 1 Up Stream	Flange	0	1	100	0.000000	8760	0
391	28.09.2024	Jetty CTMS Naptha	Back Filter - 1 Down Stream	Flange	0	1	100	0.000000	8760	0
392	28.09.2024	Jetty CTMS Naptha	Back Filter - 2 Up Stream	Flange	0	1	100	0.000000	8760	0
393	28.09.2024	Jetty CTMS Naptha	Back Filter - 2 Down Stream	Flange	0	1	100	0.000000	8760	0
394	28.09.2024	Jetty CTMS Naptha	Back Filter - 3 Up Stream	Flange	0	1	100	0.000000	8760	0
395	28.09.2024	Jetty CTMS Naptha	Back Filter - 3 Down Stream	Flange	0	1	100	0.000000	8760	0
396	28.09.2024	Jetty CTMS Naptha	Back Filter - 4 Up Stream	Flange	0	1	100	0.000000	8760	0
397	28.09.2024	Jetty CTMS Naptha	Back Filter - 4 Down Stream	Flange	0	1	100	0.000000	8760	0
398	28.09.2024	Jetty CTMS Naptha	Back Filter Drain HOV - 1 Up Stream	Flange	0	1	100	0.000000	8760	0
399	28.09.2024	Jetty CTMS Naptha	Back Filter Drain HOV - 1 Down Stream	Flange	0	1	100	0.000000	8760	0
400	28.09.2024	Jetty CTMS Naptha	Back Filter Drain HOV - 2 Up Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
401	28.09.2024	Jetty CTMS Naptha	Back Filter Drain HOV - 2 Down Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
402	28.09.2024	Jetty CTMS Naptha	Back Filter Drain HOV - 3 Up Stream	Flange	0.3	1	100	0.000002	8760	0.0173229
403	28.09.2024	Jetty CTMS Naptha	Back Filter Drain HOV - 3 Down Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
404	28.09.2024	Jetty CTMS Naptha	Back Filter Drain HOV - 4 Up Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
405	28.09.2024	Jetty CTMS Naptha	Back Filter Drain HOV - 4 Down Stream	Flange	0	1	100	0.000000	8760	0
406	28.09.2024	Jetty CTMS Naptha	Back Filter Drain HOV - 5 Up Stream	Flange	0	1	100	0.000000	8760	0
407	28.09.2024	Jetty CTMS Naptha	Back Filter Drain HOV - 5 Down Stream	Flange	0	1	100	0.000000	8760	0

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S.NO	Date	Unit	Component ID & Location	Type	SCREENING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
408	28.09.2024	Jetty CTMS Naptha	Back Filter Drain HOV - 6 Up Stream	Flange	0	1	100	0.000000	8760	0
409	28.09.2024	Jetty CTMS Naptha	Back Filter Drain HOV - 6 Down Stream	Flange	0	1	100	0.000000	8760	0
410	28.09.2024	Jetty CTMS Naptha	Back Filter Drain HOV - 7 Up Stream	Flange	0	1	100	0.000000	8760	0
411	28.09.2024	Jetty CTMS Naptha	Back Filter Drain HOV - 7 Down Stream	Flange	0	1	100	0.000000	8760	0
412	28.09.2024	Jetty CTMS Naptha	Back Filter Drain HOV - 8 Up Stream	Flange	0	1	100	0.000000	8760	0
413	28.09.2024	Jetty CTMS Naptha	Back Filter Drain HOV - 8 Down Stream	Flange	0	1	100	0.000000	8760	0
414	28.09.2024	Jetty CTMS Naptha	Stream 1 MOV - 1 Up Stream	Flange	0.2	1	100	0.000001	8760	0.0130265
415	28.09.2024	Jetty CTMS Naptha	Stream 1 MOV - 1 Down Stream	Flange	0.2	1	100	0.000001	8760	0.0130265
416	28.09.2024	Jetty CTMS Naptha	Stream 2 MOV - 1 Up Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
417	28.09.2024	Jetty CTMS Naptha	Stream 2 MOV - 1 Down Stream	Flange	0	1	100	0.000000	8760	0
418	28.09.2024	Jetty CTMS Naptha	Stream 2 MOV - 2 Up Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
419	28.09.2024	Jetty CTMS Naptha	Stream 2 MOV - 2 Down Stream	Flange	0.2	1	100	0.000001	8760	0.0130265
420	28.09.2024	Jetty CTMS Naptha	Stream 3 MOV - 1 Up Stream	Flange	0.4	1	100	0.000002	8760	0.0212057
421	28.09.2024	Jetty CTMS Naptha	Stream 3 MOV - 1 Down Stream	Flange	0	1	100	0.000000	8760	0
422	28.09.2024	Jetty CTMS Naptha	Stream 3 MOV - 2 Up Stream	Flange	0	1	100	0.000000	8760	0
423	28.09.2024	Jetty CTMS Naptha	Stream 3 MOV - 2 Down Stream	Flange	0.6	1	100	0.000003	8760	0.0281998
424	28.09.2024	Jetty CTMS Naptha	Stream 4 MOV - 1 Up Stream	Flange	0.2	1	100	0.000001	8760	0.0130265
425	28.09.2024	Jetty CTMS Naptha	Stream 4 MOV - 1 Down Stream	Flange	0.4	1	100	0.000002	8760	0.0212057
426	28.09.2024	Jetty CTMS Naptha	Stream 4 MOV - 2 Up Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
427	28.09.2024	Jetty CTMS Naptha	Stream 4 MOV - 2 Down Stream	Flange	0	1	100	0.000000	8760	0
428	28.09.2024	Jetty CTMS Naptha	Stream 1 FCV - 1 Up Stream	Flange	0	1	100	0.000000	8760	0
429	28.09.2024	Jetty CTMS Naptha	Stream 1 FCV - 1 Down Stream	Flange	0	1	100	0.000000	8760	0
430	28.09.2024	Jetty CTMS Naptha	Stream 2 FCV - 1 Up Stream	Flange	0	1	100	0.000000	8760	0
431	28.09.2024	Jetty CTMS Naptha	Stream 2 FCV - 1 Down Stream	Flange	0	1	100	0.000000	8760	0
432	28.09.2024	Jetty CTMS Naptha	Stream 2 FCV - 2 Up Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
433	28.09.2024	Jetty CTMS Naptha	Stream 2 FCV - 2 Down Stream	Flange	0	1	100	0.000000	8760	0
434	28.09.2024	Jetty CTMS Naptha	Stream 3 FCV - 1 Up Stream	Flange	0	1	100	0.000000	8760	0

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S.NO	Date	Unit	Component ID & Location	Type	SCREENING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
435	28.09.2024	Jetty CTMS Naptha	Stream 3 FCV - 1 Down Stream	Flange	0	1	100	0.000000	8760	0
436	28.09.2024	Jetty CTMS Naptha	Stream 3 FCV - 2 Up Stream	Flange	0	1	100	0.000000	8760	0
437	28.09.2024	Jetty CTMS Naptha	Stream 3 FCV - 2 Down Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
438	28.09.2024	Jetty CTMS Naptha	Stream 4 FCV - 1 Up Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
439	28.09.2024	Jetty CTMS Naptha	Stream 4 FCV - 1 Down Stream	Flange	0.2	1	100	0.000001	8760	0.0130265
440	28.09.2024	Jetty CTMS Naptha	Stream 4 FCV - 2 Up Stream	Flange	0	1	100	0.000000	8760	0
441	28.09.2024	Jetty CTMS Naptha	Stream 4 FCV - 2 Down Stream	Flange	0	1	100	0.000000	8760	0
442	28.09.2024	Jetty CTMS Naptha	DGP HOV - 1 Up Stream	Flange	0	1	100	0.000000	8760	0
443	28.09.2024	Jetty CTMS Naptha	DGP HOV - 1 Down Stream	Flange	0	1	100	0.000000	8760	0
444	28.09.2024	Jetty CTMS Naptha	DGP HOV - 2 Up Stream	Flange	0	1	100	0.000000	8760	0
445	28.09.2024	Jetty CTMS Naptha	DGP HOV - 2 Down Stream	Flange	0	1	100	0.000000	8760	0
446	28.09.2024	Jetty CTMS Naptha	DGP HOV - 3 Up Stream	Flange	0	1	100	0.000000	8760	0
447	28.09.2024	Jetty CTMS Naptha	DGP HOV - 3 Down Stream	Flange	0	1	100	0.000000	8760	0
448	28.09.2024	Jetty CTMS Naptha	DGP HOV - 4 Up Stream	Flange	0	1	100	0.000000	8760	0
449	28.09.2024	Jetty CTMS Naptha	DGP HOV - 4 Down Stream	Flange	0	1	100	0.000000	8760	0
450	28.09.2024	Jetty CTMS Naptha	DGP HOV - 5 Up Stream	Flange	0	1	100	0.000000	8760	0
451	28.09.2024	Jetty CTMS Naptha	DGP HOV - 5 Down Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
452	28.09.2024	Jetty CTMS Naptha	DGP HOV - 6 Up Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
453	28.09.2024	Jetty CTMS Naptha	DGP HOV - 6 Down Stream	Flange	0	1	100	0.000000	8760	0
454	28.09.2024	Jetty CTMS Naptha	DGP HOV - 7 Up Stream	Flange	0	1	100	0.000000	8760	0
455	28.09.2024	Jetty CTMS Naptha	DGP HOV - 7 Down Stream	Flange	0	1	100	0.000000	8760	0
456	28.09.2024	Jetty CTMS Naptha	DGP HOV - 8 Up Stream	Flange	0	1	100	0.000000	8760	0
457	28.09.2024	Jetty CTMS Naptha	DGP HOV - 8 Down Stream	Flange	0	1	100	0.000000	8760	0
458	28.09.2024	Jetty CTMS Naptha	PSV - 1 Up Stream	Flange	0	1	100	0.000000	8760	0
459	28.09.2024	Jetty CTMS Naptha	PSV - 1 Down Stream	Flange	0	1	100	0.000000	8760	0
460	28.09.2024	Jetty CTMS Naptha	PSV - 2 Up Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
461	28.09.2024	Jetty CTMS Naptha	PSV - 2 Down Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
462	28.09.2024	Jetty CTMS Naptha	PSV - 3 Up Stream	Flange	0	1	100	0.000000	8760	0
463	28.09.2024	Jetty CTMS Naptha	PSV - 3 Down Stream	Flange	0	1	100	0.000000	8760	0

LDAR points SOJ

S.NO	Date	Unit	Component ID & Location	Type	SCREENING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
464	28.09.2024	Jetty CTMS Naptha	PSV - 4 Up Stream	Flange	0	1	100	0.000000	8760	0
465	28.09.2024	Jetty CTMS Naptha	PSV - 4 Down Stream	Flange	0	1	100	0.000000	8760	0
466	28.09.2024	Jetty CTMS Naptha	PSV U/S HOV - 1 Up Stream	Flange	0	1	100	0.000000	8760	0
467	28.09.2024	Jetty CTMS Naptha	PSV U/S HOV - 1 Down Stream	Flange	0	1	100	0.000000	8760	0
468	28.09.2024	Jetty CTMS Naptha	PSV U/S HOV - 2 Up Stream	Flange	0	1	100	0.000000	8760	0
469	28.09.2024	Jetty CTMS Naptha	PSV U/S HOV - 2 Down Stream	Flange	0	1	100	0.000000	8760	0
470	28.09.2024	Jetty CTMS Naptha	PSV U/S HOV - 3 Up Stream	Flange	0	1	100	0.000000	8760	0
471	28.09.2024	Jetty CTMS Naptha	PSV U/S HOV - 3 Down Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
472	28.09.2024	Jetty CTMS Naptha	PSV U/S HOV - 4 Up Stream	Flange	0.2	1	100	0.000001	8760	0.0130265
473	28.09.2024	Jetty CTMS Naptha	PSV U/S HOV - 4 Down Stream	Flange	0.2	1	100	0.000001	8760	0.0130265
474	28.09.2024	Jetty CTMS Naptha	PSV D/S HOV - 1 Up Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
475	28.09.2024	Jetty CTMS Naptha	PSV D/S HOV - 1 Down Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
476	28.09.2024	Jetty CTMS Naptha	PSV D/S HOV - 2 Up Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
477	28.09.2024	Jetty CTMS Naptha	PSV D/S HOV - 2 Down Stream	Flange	0	1	100	0.000000	8760	0
478	28.09.2024	Jetty CTMS Naptha	PSV D/S HOV - 3 Up Stream	Flange	0	1	100	0.000000	8760	0
479	28.09.2024	Jetty CTMS Naptha	PSV D/S HOV - 3 Down Stream	Flange	0	1	100	0.000000	8760	0
480	28.09.2024	Jetty CTMS Naptha	PSV D/S HOV - 4 Up Stream	Flange	0	1	100	0.000000	8760	0
481	28.09.2024	Jetty CTMS Naptha	PSV D/S HOV - 4 Down Stream	Flange	0	1	100	0.000000	8760	0
482	28.09.2024	Jetty CTMS Naptha	Stream 1 Flowmeter - 1	Flange	0	1	100	0.000000	8760	0
483	28.09.2024	Jetty CTMS Naptha	Stream 1 Flowmeter - 2	Flange	0	1	100	0.000000	8760	0
484	28.09.2024	Jetty CTMS Naptha	Stream 1 Flowmeter - 3	Flange	0	1	100	0.000000	8760	0
485	28.09.2024	Jetty CTMS Naptha	Stream 1 Flowmeter - 4	Flange	0	1	100	0.000000	8760	0
486	28.09.2024	Jetty CTMS Naptha	Stream 1 Flowmeter - 5	Flange	0	1	100	0.000000	8760	0
487	28.09.2024	Jetty CTMS Naptha	Stream 1 Flowmeter - 6	Flange	0	1	100	0.000000	8760	0
488	28.09.2024	Jetty CTMS Naptha	Stream 1 Flowmeter - 7	Flange	0	1	100	0.000000	8760	0
489	28.09.2024	Jetty CTMS Naptha	Stream 1 Flowmeter - 8	Flange	0	1	100	0.000000	8760	0
490	28.09.2024	Jetty CTMS Naptha	Stream 1 Flowmeter - 9	Flange	0	1	100	0.000000	8760	0
491	28.09.2024	Jetty CTMS Naptha	Stream 1 Flowmeter - 10	Flange	0	1	100	0.000000	8760	0
492	28.09.2024	Jetty CTMS Naptha	Stream 2 Flowmeter - 1	Flange	0	1	100	0.000000	8760	0

LDAR points SOJ

S.NO	Date	Unit	Component ID & Location	Type	SCREENING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
493	28.09.2024	Jetty CTMS Naptha	Stream 2 Flowmeter - 2	Flange	0	1	100	0.000000	8760	0
494	28.09.2024	Jetty CTMS Naptha	Stream 2 Flowmeter - 3	Flange	0	1	100	0.000000	8760	0
495	28.09.2024	Jetty CTMS Naptha	Stream 2 Flowmeter - 4	Flange	0	1	100	0.000000	8760	0
496	28.09.2024	Jetty CTMS Naptha	Stream 2 Flowmeter - 5	Flange	0	1	100	0.000000	8760	0
497	28.09.2024	Jetty CTMS Naptha	Stream 2 Flowmeter - 6	Flange	0	1	100	0.000000	8760	0
498	28.09.2024	Jetty CTMS Naptha	Stream 2 Flowmeter - 7	Flange	0	1	100	0.000000	8760	0
499	28.09.2024	Jetty CTMS Naptha	Stream 2 Flowmeter - 8	Flange	0	1	100	0.000000	8760	0
500	28.09.2024	Jetty CTMS Naptha	Stream 2 Flowmeter - 9	Flange	0	1	100	0.000000	8760	0
501	28.09.2024	Jetty CTMS Naptha	Stream 2 Flowmeter - 10	Flange	0	1	100	0.000000	8760	0
502	28.09.2024	Jetty CTMS Naptha	Stream 3 Flowmeter - 1	Flange	0	1	100	0.000000	8760	0
503	28.09.2024	Jetty CTMS Naptha	Stream 3 Flowmeter - 2	Flange	0	1	100	0.000000	8760	0
504	28.09.2024	Jetty CTMS Naptha	Stream 3 Flowmeter - 3	Flange	0	1	100	0.000000	8760	0
505	28.09.2024	Jetty CTMS Naptha	Stream 3 Flowmeter - 4	Flange	0	1	100	0.000000	8760	0
506	28.09.2024	Jetty CTMS Naptha	Stream 3 Flowmeter - 5	Flange	0	1	100	0.000000	8760	0
507	28.09.2024	Jetty CTMS Naptha	Stream 3 Flowmeter - 6	Flange	0	1	100	0.000000	8760	0
508	28.09.2024	Jetty CTMS Naptha	Stream 3 Flowmeter - 7	Flange	0.1	1	100	0.000001	8760	0.0080021
509	28.09.2024	Jetty CTMS Naptha	Stream 3 Flowmeter - 8	Flange	0.1	1	100	0.000001	8760	0.0080021
510	28.09.2024	Jetty CTMS Naptha	Stream 3 Flowmeter - 9	Flange	0	1	100	0.000000	8760	0
511	28.09.2024	Jetty CTMS Naptha	Stream 3 Flowmeter - 10	Flange	0	1	100	0.000000	8760	0
512	28.09.2024	Jetty CTMS Naptha	Stream 4 Flowmeter - 1	Flange	0	1	100	0.000000	8760	0
513	28.09.2024	Jetty CTMS Naptha	Stream 4 Flowmeter - 2	Flange	0	1	100	0.000000	8760	0
514	28.09.2024	Jetty CTMS Naptha	Stream 4 Flowmeter - 3	Flange	0	1	100	0.000000	8760	0
515	28.09.2024	Jetty CTMS Naptha	Stream 4 Flowmeter - 4	Flange	0	1	100	0.000000	8760	0
516	28.09.2024	Jetty CTMS Naptha	Stream 4 Flowmeter - 5	Flange	0.1	1	100	0.000001	8760	0.0080021
517	28.09.2024	Jetty CTMS Naptha	Stream 4 Flowmeter - 6	Flange	0.1	1	100	0.000001	8760	0.0080021
518	28.09.2024	Jetty CTMS Naptha	Stream 4 Flowmeter - 7	Flange	0	1	100	0.000000	8760	0
519	28.09.2024	Jetty CTMS Naptha	Stream 4 Flowmeter - 8	Flange	0	1	100	0.000000	8760	0
520	28.09.2024	Jetty CTMS Naptha	Stream 4 Flowmeter - 9	Flange	0	1	100	0.000000	8760	0
521	28.09.2024	Jetty CTMS Naptha	Stream 4 Flowmeter - 10	Flange	0	1	100	0.000000	8760	0

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S.NO	Date	Unit	Component ID & Location	Type	SCREENING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
522	28.09.2024	Jetty CTMS Naptha	CTMS U/S Ringspacer	Flange	0	1	100	0.000000	8760	0
523	28.09.2024	Jetty CTMS Naptha	PCV U/S HOV Up Stream	Flange	0	1	100	0.000000	8760	0
524	28.09.2024	Jetty CTMS Naptha	PCV U/S HOV Down Stream	Flange	0	1	100	0.000000	8760	0
525	28.09.2024	Jetty CTMS Naptha	PCV D/S HOV Up Stream	Flange	0.2	1	100	0.000001	8760	0.0130265
526	28.09.2024	Jetty CTMS Naptha	PCV D/S HOV Down Stream	Flange	0	1	100	0.000000	8760	0
527	28.09.2024	Jetty CTMS Naptha	PCV Up Stream	Flange	0	1	100	0.000000	8760	0
528	28.09.2024	Jetty CTMS Naptha	PCV Down Stream	Flange	0	1	100	0.000000	8760	0
529	28.09.2024	Jetty CTMS Naptha	PCV U/S LPD	Flange	0	1	100	0.000000	8760	0
530	28.09.2024	Jetty CTMS Naptha	PCV D/S LPD	Flange	0.4	1	100	0.000002	8760	0.0212057
531	28.09.2024	Jetty CTMS Naptha	PCV U/S PT	Flange	0	1	100	0.000000	8760	0
532	28.09.2024	Jetty CTMS Naptha	PCV D/S PT	Flange	0	1	100	0.000000	8760	0
533	28.09.2024	Jetty CTMS Naptha	PCV D/S PSV	Flange	0	1	100	0.000000	8760	0
534	28.09.2024	Jetty CTMS Naptha	PSV U/S & D/S HOV - 1 Up Stream	Flange	0	1	100	0.000000	8760	0
535	28.09.2024	Jetty CTMS Naptha	PSV U/S & D/S HOV - 1 Down Stream	Flange	0	1	100	0.000000	8760	0
536	28.09.2024	Jetty CTMS Naptha	PSV U/S & D/S HOV - 2 Up Stream	Flange	0	1	100	0.000000	8760	0
537	28.09.2024	Jetty CTMS Naptha	PSV U/S & D/S HOV - 2 Down Stream	Flange	0	1	100	0.000000	8760	0
538	28.09.2024	Jetty CTMS Naptha	PSV U/S & D/S LPD Up Stream	Flange	0	1	100	0.000000	8760	0
539	28.09.2024	Jetty CTMS Naptha	PSV U/S & D/S LPD Down Stream	Flange	0	1	100	0.000000	8760	0
540	28.09.2024	Jetty CTMS Naptha	CTMS D/S HPV	Flange	0	1	100	0.000000	8760	0
541	28.09.2024	Jetty CTMS Naptha	Prover U/S & D/S Spool Up Stream	Flange	0	1	100	0.000000	8760	0
542	28.09.2024	Jetty CTMS Naptha	Prover U/S & D/S Spool Down Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
543	28.09.2024	Jetty CTMS Naptha	Prover Inlet & Outlet Hov -1 Up Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
544	28.09.2024	Jetty CTMS Naptha	Prover Inlet & Outlet Hov -1 Down Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
545	28.09.2024	Jetty CTMS Naptha	Prover Inlet & Outlet Hov -2 Up Stream	Flange	0	1	100	0.000000	8760	0
546	28.09.2024	Jetty CTMS Naptha	Prover Inlet & Outlet Hov -2 Down Stream	Flange	0	1	100	0.000000	8760	0
547	28.09.2024	Jetty CTMS Naptha	Prover Spool Up Stream	Flange	0	1	100	0.000000	8760	0
548	28.09.2024	Jetty CTMS Naptha	Prover Spool Down Stream	Flange	0	1	100	0.000000	8760	0
549	28.09.2024	Jetty CTMS Naptha	Prover PT HOV Up Stream	Flange	0	1	100	0.000000	8760	0

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S.NO	Date	Unit	Component ID & Location	Type	SCREENING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
550	28.09.2024	Jetty CTMS Naptha	Prover PT HOV Down Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
551	28.09.2024	Jetty CTMS Naptha	Prover Spare Connection Up Stream	Flange	0	1	100	0.000000	8760	0
552	28.09.2024	Jetty CTMS Naptha	Prover Spare Connection Down Stream	Flange	0	1	100	0.000000	8760	0
553	28.09.2024	Jetty CTMS Naptha	Prover PSV	Flange	0	1	100	0.000000	8760	0
554	28.09.2024	Jetty CTMS Naptha	Prover Vent Hov - 1 Up Stream	Flange	0	1	100	0.000000	8760	0
555	28.09.2024	Jetty CTMS Naptha	Prover Vent Hov - 1 Down Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
556	28.09.2024	Jetty CTMS Naptha	Prover Vent Hov - 2 Up Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
557	28.09.2024	Jetty CTMS Naptha	Prover Vent Hov - 2 Down Stream	Flange	0	1	100	0.000000	8760	0
558	28.09.2024	Jetty CTMS Naptha	Prover LPD	Flange	0	1	100	0.000000	8760	0
559	28.09.2024	Jetty CTMS Naptha	Prover LPD UP Stream	Flange	0	1	100	0.000000	8760	0
560	28.09.2024	Jetty CTMS Naptha	Prover LPD Down Stream	Flange	0	1	100	0.000000	8760	0
561	28.09.2024	Jetty CTMS Naptha	Drain Hov -1 UP Stream	Flange	0	1	100	0.000000	8760	0
562	28.09.2024	Jetty CTMS Naptha	Drain Hov -1 Down Stream	Flange	0	1	100	0.000000	8760	0
563	28.09.2024	Jetty CTMS Naptha	Drain Hov -2 UP Stream	Flange	0	1	100	0.000000	8760	0
564	28.09.2024	Jetty CTMS Naptha	Drain Hov -2 Down Stream	Flange	0	1	100	0.000000	8760	0
565	28.09.2024	Jetty CTMS Naptha	Drain Hov -3 UP Stream	Flange	0	1	100	0.000000	8760	0
566	28.09.2024	Jetty CTMS Naptha	Drain Hov -3 Down Stream	Flange	0	1	100	0.000000	8760	0
567	28.09.2024	Jetty CTMS Naptha	Drain Hov -4 UP Stream	Flange	0	1	100	0.000000	8760	0
568	28.09.2024	Jetty CTMS Naptha	Drain Hov -4 Down Stream	Flange	0	1	100	0.000000	8760	0
569	28.09.2024	Jetty CTMS Naptha	Drain Hov -5 UP Stream	Flange	0	1	100	0.000000	8760	0
570	28.09.2024	Jetty CTMS Naptha	Drain Hov -5 Down Stream	Flange	0	1	100	0.000000	8760	0
571	28.09.2024	Jetty CTMS Naptha	Drain Hov -6 UP Stream	Flange	0	1	100	0.000000	8760	0
572	28.09.2024	Jetty CTMS Naptha	Drain Hov -6 Down Stream	Flange	0	1	100	0.000000	8760	0
573	28.09.2024	Jetty CTMS Naptha	CBD Line HOV Up Stream	Flange	0	1	100	0.000000	8760	0
574	28.09.2024	Jetty CTMS Naptha	CBD Line HOV Down Stream	Flange	0	1	100	0.000000	8760	0
575	28.09.2024	Jetty CTMS Naptha	CBD Line End Flange	Flange	0	1	100	0.000000	8760	0
576	28.09.2024	Jetty CTMS Naptha	CBD Line NRV Up Stream	Flange	0	1	100	0.000000	8760	0
577	28.09.2024	Jetty CTMS Naptha	CBD Line NRV Down Stream	Flange	0	1	100	0.000000	8760	0

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S.NO	Date	Unit	Component ID & Location	Type	SCREEING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
578	28.09.2024	Jetty CTMS MS - R	Vapour Eliminator HPV Up Stream	Flange	0	0.8	100	0.000000	8760	0
579	28.09.2024	Jetty CTMS MS - R	Vapour Eliminator HPV Down Stream	Flange	0	0.8	100	0.000000	8760	0
580	28.09.2024	Jetty CTMS MS - R	Main Line PSV	Flange	0	0.8	100	0.000000	8760	0
581	28.09.2024	Jetty CTMS MS - R	Main Line PSV U/S Up Stream	Flange	0	0.8	100	0.000000	8760	0
582	28.09.2024	Jetty CTMS MS - R	Main Line PSV U/S Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
583	28.09.2024	Jetty CTMS MS - R	Main Line PSV D/S Up Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
584	28.09.2024	Jetty CTMS MS - R	Main Line PSV D/S Down Stream	Flange	0	0.8	100	0.000000	8760	0
585	28.09.2024	Jetty CTMS MS - R	Main Line PSV U/S Drain Point	Flange	0	0.8	100	0.000000	8760	0
586	28.09.2024	Jetty CTMS MS - R	Main Line PSV D/S Drain Point	Flange	0	0.8	100	0.000000	8760	0
587	28.09.2024	Jetty CTMS MS - R	Vapour Eliminator Inlet	Flange	0	0.8	100	0.000000	8760	0
588	28.09.2024	Jetty CTMS MS - R	Vapour Eliminator Outlet	Flange	0	0.8	100	0.000000	8760	0
589	28.09.2024	Jetty CTMS MS - R	Vapour Eliminator Manhole	Flange	0	0.8	100	0.000000	8760	0
590	28.09.2024	Jetty CTMS MS - R	Vapour Eliminator Drain Point HOV	Flange	0.1	0.8	100	0.000001	8760	0.0064017
591	28.09.2024	Jetty CTMS MS - R	Vapour Eliminator PSV	Flange	0.1	0.8	100	0.000001	8760	0.0064017
592	28.09.2024	Jetty CTMS MS - R	Vapour Eliminator PSV U/S HOV Up Stream	Flange	0	0.8	100	0.000000	8760	0
593	28.09.2024	Jetty CTMS MS - R	Vapour Eliminator PSV U/S HOVDown Stream	Flange	0	0.8	100	0.000000	8760	0
594	28.09.2024	Jetty CTMS MS - R	Vapour Eliminator PSV D/S HOV Up Stream	Flange	0	0.8	100	0.000000	8760	0
595	28.09.2024	Jetty CTMS MS - R	Vapour Eliminator PSV D/S HOVDown Stream	Flange	0	0.8	100	0.000000	8760	0
596	28.09.2024	Jetty CTMS MS - R	Vapour Eliminator PSV U/S Drain Point	Flange	0	0.8	100	0.000000	8760	0
597	28.09.2024	Jetty CTMS MS - R	Vapour Eliminator PSV D/S Drain Point	Flange	0	0.8	100	0.000000	8760	0
598	28.09.2024	Jetty CTMS MS - R	Vapour Eliminator Vent Point	Flange	0	0.8	100	0.000000	8760	0
599	28.09.2024	Jetty CTMS MS - R	Vapour Eliminator HOV -1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
600	28.09.2024	Jetty CTMS MS - R	Vapour Eliminator HOV -1 down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
601	28.09.2024	Jetty CTMS MS - R	Vapour Eliminator HOV -2 Up Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
602	28.09.2024	Jetty CTMS MS - R	Vapour Eliminator HOV -2 down Stream	Flange	0	0.8	100	0.000000	8760	0
603	28.09.2024	Jetty CTMS MS - R	CTMS U/S Ringspacer	Flange	0	0.8	100	0.000000	8760	0

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S.NO	Date	Unit	Component ID & Location	Type	SCREEING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
604	28.09.2024	Jetty CTMS MS - R	Firest Loop Pump U/S HOV Up Stream	Flange	0	0.8	100	0.000000	8760	0
605	28.09.2024	Jetty CTMS MS - R	Firest Loop Pump U/S HOV Down Stream	Flange	0	0.8	100	0.000000	8760	0
606	28.09.2024	Jetty CTMS MS - R	Firest Loop Pump U/S Drain Point HOV Up Stream	Flange	0	0.8	100	0.000000	8760	0
607	28.09.2024	Jetty CTMS MS - R	Firest Loop Pump U/S Drain Point HOV Down Stream	Flange	0	0.8	100	0.000000	8760	0
608	28.09.2024	Jetty CTMS MS - R	Firest Loop Pump Up Stream	Flange	0	0.8	100	0.000000	8760	0
609	28.09.2024	Jetty CTMS MS - R	Firest Loop Pump Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
610	28.09.2024	Jetty CTMS MS - R	Flowmeter Up Stream	Flange	0	0.8	100	0.000000	8760	0
611	28.09.2024	Jetty CTMS MS - R	Flowmeter Down Stream	Flange	0	0.8	100	0.000000	8760	0
612	28.09.2024	Jetty CTMS MS - R	Firest Loop Pump Discharge PT HOV Up Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
613	28.09.2024	Jetty CTMS MS - R	Firest Loop Pump Discharge PT HOV Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
614	28.09.2024	Jetty CTMS MS - R	Firest Loop Pump Discharge TT HOV	Flange	0.1	0.8	100	0.000001	8760	0.0064017
615	28.09.2024	Jetty CTMS MS - R	Firest Loop Pump D/S Drain Point HOV Up Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
616	28.09.2024	Jetty CTMS MS - R	Firest Loop Pump D/S Drain Point HOV Down Stream	Flange	0	0.8	100	0.000000	8760	0
617	28.09.2024	Jetty CTMS MS - R	Densitometer - 1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
618	28.09.2024	Jetty CTMS MS - R	Densitometer - 1 Down Stream	Flange	0	0.8	100	0.000000	8760	0
619	28.09.2024	Jetty CTMS MS - R	Densitometer - 2 Up Stream	Flange	0	0.8	100	0.000000	8760	0
620	28.09.2024	Jetty CTMS MS - R	Densitometer - 2 Down Stream	Flange	0	0.8	100	0.000000	8760	0
621	28.09.2024	Jetty CTMS MS - R	Densitometer U/S HOV - 1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
622	28.09.2024	Jetty CTMS MS - R	Densitometer U/S HOV - 1 Down Stream	Flange	0	0.8	100	0.000000	8760	0
623	28.09.2024	Jetty CTMS MS - R	Densitometer U/S HOV - 2 Up Stream	Flange	0	0.8	100	0.000000	8760	0
624	28.09.2024	Jetty CTMS MS - R	Densitometer U/S HOV - 2 Down Stream	Flange	0	0.8	100	0.000000	8760	0
625	28.09.2024	Jetty CTMS MS - R	Densitometer D/S HOV - 1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
626	28.09.2024	Jetty CTMS MS - R	Densitometer D/S HOV - 1 Down Stream	Flange	0	0.8	100	0.000000	8760	0

LDAR points SOJ

S.NO	Date	Unit	Component ID & Location	Type	SCREEING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
627	28.09.2024	Jetty CTMS MS - R	Densitometer D/S HOV - 2 Up Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
628	28.09.2024	Jetty CTMS MS - R	Densitometer D/S HOV - 2 Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
629	28.09.2024	Jetty CTMS MS - R	Densitometer D/S HPV	Flange	0	0.8	100	0.000000	8760	0
630	28.09.2024	Jetty CTMS MS - R	Sampler HOV - 1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
631	28.09.2024	Jetty CTMS MS - R	Sampler HOV - 1 Down Stream	Flange	0	0.8	100	0.000000	8760	0
632	28.09.2024	Jetty CTMS MS - R	Sampler HOV - 2 Up Stream	Flange	0	0.8	100	0.000000	8760	0
633	28.09.2024	Jetty CTMS MS - R	Sampler HOV - 2 Down Stream	Flange	0	0.8	100	0.000000	8760	0
634	28.09.2024	Jetty CTMS MS - R	Globe Valve Up Stream	Flange	0	0.8	100	0.000000	8760	0
635	28.09.2024	Jetty CTMS MS - R	Globe Valve Down Stream	Flange	0	0.8	100	0.000000	8760	0
636	28.09.2024	Jetty CTMS MS - R	Firest Loop Pump D/S HOV Up Stream	Flange	0	0.8	100	0.000000	8760	0
637	28.09.2024	Jetty CTMS MS - R	Firest Loop Pump D/S HOV Down Stream	Flange	0	0.8	100	0.000000	8760	0
638	28.09.2024	Jetty CTMS MS - R	Header Drain HOV - 1 Up Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
639	28.09.2024	Jetty CTMS MS - R	Header Drain HOV - 1 Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
640	28.09.2024	Jetty CTMS MS - R	Header Drain HOV - 2 Up Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
641	28.09.2024	Jetty CTMS MS - R	Header Drain HOV - 2 Down Stream	Flange	0	0.8	100	0.000000	8760	0
642	28.09.2024	Jetty CTMS MS - R	Stream 1 HOV - 1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
643	28.09.2024	Jetty CTMS MS - R	Stream 1 HOV - 1 Down Stream	Flange	0	0.8	100	0.000000	8760	0
644	28.09.2024	Jetty CTMS MS - R	Stream 1 HOV - 2 Up Stream	Flange	0	0.8	100	0.000000	8760	0
645	28.09.2024	Jetty CTMS MS - R	Stream 1 HOV - 2 Down Stream	Flange	0	0.8	100	0.000000	8760	0
646	28.09.2024	Jetty CTMS MS - R	Stream 1 HOV - 3 Up Stream	Flange	0	0.8	100	0.000000	8760	0
647	28.09.2024	Jetty CTMS MS - R	Stream 1 HOV - 3 Down Stream	Flange	0	0.8	100	0.000000	8760	0
648	28.09.2024	Jetty CTMS MS - R	Stream 2 HOV - 1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
649	28.09.2024	Jetty CTMS MS - R	Stream 2 HOV - 1 Down Stream	Flange	0	0.8	100	0.000000	8760	0
650	28.09.2024	Jetty CTMS MS - R	Stream 2 HOV - 2 Up Stream	Flange	0	0.8	100	0.000000	8760	0
651	28.09.2024	Jetty CTMS MS - R	Stream 2 HOV - 2 Down Stream	Flange	0	0.8	100	0.000000	8760	0
652	28.09.2024	Jetty CTMS MS - R	Stream 2 HOV - 3 Up Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
653	28.09.2024	Jetty CTMS MS - R	Stream 2 HOV - 3 Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017

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S.NO	Date	Unit	Component ID & Location	Type	SCREEING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
654	28.09.2024	Jetty CTMS MS - R	Stream 3 HOV - 1 Up Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
655	28.09.2024	Jetty CTMS MS - R	Stream 3 HOV - 1 Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
656	28.09.2024	Jetty CTMS MS - R	Stream 3 HOV - 2 Up Stream	Flange	0	0.8	100	0.000000	8760	0
657	28.09.2024	Jetty CTMS MS - R	Stream 3 HOV - 2 Down Stream	Flange	0	0.8	100	0.000000	8760	0
658	28.09.2024	Jetty CTMS MS - R	Stream 3 HOV - 3 Up Stream	Flange	0	0.8	100	0.000000	8760	0
659	28.09.2024	Jetty CTMS MS - R	Stream 3 HOV - 3 Down Stream	Flange	0	0.8	100	0.000000	8760	0
660	28.09.2024	Jetty CTMS MS - R	Stream 4 HOV - 1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
661	28.09.2024	Jetty CTMS MS - R	Stream 4 HOV - 1 Down Stream	Flange	0	0.8	100	0.000000	8760	0
662	28.09.2024	Jetty CTMS MS - R	Stream 4 HOV - 2 Up Stream	Flange	0	0.8	100	0.000000	8760	0
663	28.09.2024	Jetty CTMS MS - R	Stream 4 HOV - 2 Down Stream	Flange	0	0.8	100	0.000000	8760	0
664	28.09.2024	Jetty CTMS MS - R	Stream 4 HOV - 3 Up Stream	Flange	0	0.8	100	0.000000	8760	0
665	28.09.2024	Jetty CTMS MS - R	Stream 4 HOV - 3 Down Stream	Flange	0	0.8	100	0.000000	8760	0
666	28.09.2024	Jetty CTMS MS - R	Back Filter- 1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
667	28.09.2024	Jetty CTMS MS - R	Back Filter - 1 Down Stream	Flange	0	0.8	100	0.000000	8760	0
668	28.09.2024	Jetty CTMS MS - R	Back Filter - 2 Up Stream	Flange	0	0.8	100	0.000000	8760	0
669	28.09.2024	Jetty CTMS MS - R	Back Filter - 2 Down Stream	Flange	0	0.8	100	0.000000	8760	0
670	28.09.2024	Jetty CTMS MS - R	Back Filter - 3 Up Stream	Flange	0	0.8	100	0.000000	8760	0
671	28.09.2024	Jetty CTMS MS - R	Back Filter - 3 Down Stream	Flange	0	0.8	100	0.000000	8760	0
672	28.09.2024	Jetty CTMS MS - R	Back Filter - 4 Up Stream	Flange	0	0.8	100	0.000000	8760	0
673	28.09.2024	Jetty CTMS MS - R	Back Filter - 4 Down Stream	Flange	0	0.8	100	0.000000	8760	0
674	28.09.2024	Jetty CTMS MS - R	Back Filter Drain HOV - 1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
675	28.09.2024	Jetty CTMS MS - R	Back Filter Drain HOV - 1 Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
676	28.09.2024	Jetty CTMS MS - R	Back Filter Drain HOV - 2 Up Stream	Flange	0	0.8	100	0.000000	8760	0
677	28.09.2024	Jetty CTMS MS - R	Back Filter Drain HOV - 2 Down Stream	Flange	0	0.8	100	0.000000	8760	0
678	28.09.2024	Jetty CTMS MS - R	Back Filter Drain HOV - 3 Up Stream	Flange	0	0.8	100	0.000000	8760	0
679	28.09.2024	Jetty CTMS MS - R	Back Filter Drain HOV - 3 Down Stream	Flange	0	0.8	100	0.000000	8760	0
680	28.09.2024	Jetty CTMS MS - R	Back Filter Drain HOV - 4 Up Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017

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S.NO	Date	Unit	Component ID & Location	Type	SCREEING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
681	28.09.2024	Jetty CTMS MS - R	Back Filter Drain HOV - 4 Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
682	28.09.2024	Jetty CTMS MS - R	Back Filter Drain HOV - 5 Up Stream	Flange	0	0.8	100	0.000000	8760	0
683	28.09.2024	Jetty CTMS MS - R	Back Filter Drain HOV - 5 Down Stream	Flange	0	0.8	100	0.000000	8760	0
684	28.09.2024	Jetty CTMS MS - R	Back Filter Drain HOV - 6 Up Stream	Flange	0	0.8	100	0.000000	8760	0
685	28.09.2024	Jetty CTMS MS - R	Back Filter Drain HOV - 6 Down Stream	Flange	0	0.8	100	0.000000	8760	0
686	28.09.2024	Jetty CTMS MS - R	Back Filter Drain HOV - 7 Up Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
687	28.09.2024	Jetty CTMS MS - R	Back Filter Drain HOV - 7 Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
688	28.09.2024	Jetty CTMS MS - R	Back Filter Drain HOV - 8 Up Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
689	28.09.2024	Jetty CTMS MS - R	Back Filter Drain HOV - 8 Down Stream	Flange	0	0.8	100	0.000000	8760	0
690	28.09.2024	Jetty CTMS MS - R	Stream 1 MOV - 1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
691	28.09.2024	Jetty CTMS MS - R	Stream 1 MOV - 1 Down Stream	Flange	0	0.8	100	0.000000	8760	0
692	28.09.2024	Jetty CTMS MS - R	Stream 2 MOV - 1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
693	28.09.2024	Jetty CTMS MS - R	Stream 2 MOV - 1 Down Stream	Flange	0	0.8	100	0.000000	8760	0
694	28.09.2024	Jetty CTMS MS - R	Stream 2 MOV - 2 Up Stream	Flange	0	0.8	100	0.000000	8760	0
695	28.09.2024	Jetty CTMS MS - R	Stream 2 MOV - 2 Down Stream	Flange	0	0.8	100	0.000000	8760	0
696	28.09.2024	Jetty CTMS MS - R	Stream 3 MOV - 1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
697	28.09.2024	Jetty CTMS MS - R	Stream 3 MOV - 1 Down Stream	Flange	0	0.8	100	0.000000	8760	0
698	28.09.2024	Jetty CTMS MS - R	Stream 3 MOV - 2 Up Stream	Flange	0	0.8	100	0.000000	8760	0
699	28.09.2024	Jetty CTMS MS - R	Stream 3 MOV - 2 Down Stream	Flange	0	0.8	100	0.000000	8760	0
700	28.09.2024	Jetty CTMS MS - R	Stream 4 MOV - 1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
701	28.09.2024	Jetty CTMS MS - R	Stream 4 MOV - 1 Down Stream	Flange	0	0.8	100	0.000000	8760	0
702	28.09.2024	Jetty CTMS MS - R	Stream 4 MOV - 2 Up Stream	Flange	0	0.8	100	0.000000	8760	0
703	28.09.2024	Jetty CTMS MS - R	Stream 4 MOV - 2 Down Stream	Flange	0	0.8	100	0.000000	8760	0
704	28.09.2024	Jetty CTMS MS - R	Stream 1 FCV - 1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
705	28.09.2024	Jetty CTMS MS - R	Stream 1 FCV - 1 Down Stream	Flange	0	0.8	100	0.000000	8760	0
706	28.09.2024	Jetty CTMS MS - R	Stream 2 FCV - 1 Up Stream	Flange	0	0.8	100	0.000000	8760	0

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S.NO	Date	Unit	Component ID & Location	Type	SCREEING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
707	28.09.2024	Jetty CTMS MS - R	Stream 2 FCV - 1 Down Stream	Flange	0	0.8	100	0.000000	8760	0
708	28.09.2024	Jetty CTMS MS - R	Stream 2 FCV - 2 Up Stream	Flange	0	0.8	100	0.000000	8760	0
709	28.09.2024	Jetty CTMS MS - R	Stream 2 FCV - 2 Down Stream	Flange	0	0.8	100	0.000000	8760	0
710	28.09.2024	Jetty CTMS MS - R	Stream 3 FCV - 1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
711	28.09.2024	Jetty CTMS MS - R	Stream 3 FCV - 1 Down Stream	Flange	0	0.8	100	0.000000	8760	0
712	28.09.2024	Jetty CTMS MS - R	Stream 3 FCV - 2 Up Stream	Flange	0	0.8	100	0.000000	8760	0
713	28.09.2024	Jetty CTMS MS - R	Stream 3 FCV - 2 Down Stream	Flange	0	0.8	100	0.000000	8760	0
714	28.09.2024	Jetty CTMS MS - R	Stream 4 FCV - 1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
715	28.09.2024	Jetty CTMS MS - R	Stream 4 FCV - 1 Down Stream	Flange	0	0.8	100	0.000000	8760	0
716	28.09.2024	Jetty CTMS MS - R	Stream 4 FCV - 2 Up Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
717	28.09.2024	Jetty CTMS MS - R	Stream 4 FCV - 2 Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
718	28.09.2024	Jetty CTMS MS - R	DGP HOV - 1 Up Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
719	28.09.2024	Jetty CTMS MS - R	DGP HOV - 1 Down Stream	Flange	0	0.8	100	0.000000	8760	0
720	28.09.2024	Jetty CTMS MS - R	DGP HOV - 2 Up Stream	Flange	0	0.8	100	0.000000	8760	0
721	28.09.2024	Jetty CTMS MS - R	DGP HOV - 2 Down Stream	Flange	0	0.8	100	0.000000	8760	0
722	28.09.2024	Jetty CTMS MS - R	DGP HOV - 3 Up Stream	Flange	0	0.8	100	0.000000	8760	0
723	28.09.2024	Jetty CTMS MS - R	DGP HOV - 3 Down Stream	Flange	0	0.8	100	0.000000	8760	0
724	28.09.2024	Jetty CTMS MS - R	DGP HOV - 4 Up Stream	Flange	0	0.8	100	0.000000	8760	0
725	28.09.2024	Jetty CTMS MS - R	DGP HOV - 4 Down Stream	Flange	0	0.8	100	0.000000	8760	0
726	28.09.2024	Jetty CTMS MS - R	DGP HOV - 5 Up Stream	Flange	0	0.8	100	0.000000	8760	0
727	28.09.2024	Jetty CTMS MS - R	DGP HOV - 5 Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
728	28.09.2024	Jetty CTMS MS - R	DGP HOV - 6 Up Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
729	28.09.2024	Jetty CTMS MS - R	DGP HOV - 6 Down Stream	Flange	0	0.8	100	0.000000	8760	0
730	28.09.2024	Jetty CTMS MS - R	DGP HOV - 7 Up Stream	Flange	0	0.8	100	0.000000	8760	0
731	28.09.2024	Jetty CTMS MS - R	DGP HOV - 7 Down Stream	Flange	0	0.8	100	0.000000	8760	0
732	28.09.2024	Jetty CTMS MS - R	DGP HOV - 8 Up Stream	Flange	0	0.8	100	0.000000	8760	0
733	28.09.2024	Jetty CTMS MS - R	DGP HOV - 8 Down Stream	Flange	0	0.8	100	0.000000	8760	0
734	28.09.2024	Jetty CTMS MS - R	PSV - 1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
735	28.09.2024	Jetty CTMS MS - R	PSV - 1 Down Stream	Flange	0	0.8	100	0.000000	8760	0

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S.NO	Date	Unit	Component ID & Location	Type	SCREEING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
736	28.09.2024	Jetty CTMS MS - R	PSV - 2 Up Stream	Flange	0	0.8	100	0.000000	8760	0
737	28.09.2024	Jetty CTMS MS - R	PSV - 2 Down Stream	Flange	0	0.8	100	0.000000	8760	0
738	28.09.2024	Jetty CTMS MS - R	PSV - 3 Up Stream	Flange	0	0.8	100	0.000000	8760	0
739	28.09.2024	Jetty CTMS MS - R	PSV - 3 Down Stream	Flange	0	0.8	100	0.000000	8760	0
740	28.09.2024	Jetty CTMS MS - R	PSV - 4 Up Stream	Flange	0	0.8	100	0.000000	8760	0
741	28.09.2024	Jetty CTMS MS - R	PSV - 4 Down Stream	Flange	0	0.8	100	0.000000	8760	0
742	28.09.2024	Jetty CTMS MS - R	PSV U/S HOV - 1 Up Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
743	28.09.2024	Jetty CTMS MS - R	PSV U/S HOV - 1 Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
744	28.09.2024	Jetty CTMS MS - R	PSV U/S HOV - 2 Up Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
745	28.09.2024	Jetty CTMS MS - R	PSV U/S HOV - 2 Down Stream	Flange	0	0.8	100	0.000000	8760	0
746	28.09.2024	Jetty CTMS MS - R	PSV U/S HOV - 3 Up Stream	Flange	0	0.8	100	0.000000	8760	0
747	28.09.2024	Jetty CTMS MS - R	PSV U/S HOV - 3 Down Stream	Flange	0	0.8	100	0.000000	8760	0
748	28.09.2024	Jetty CTMS MS - R	PSV U/S HOV - 4 Up Stream	Flange	0	0.8	100	0.000000	8760	0
749	28.09.2024	Jetty CTMS MS - R	PSV U/S HOV - 4 Down Stream	Flange	0	0.8	100	0.000000	8760	0
750	28.09.2024	Jetty CTMS MS - R	PSV D/S HOV - 1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
751	28.09.2024	Jetty CTMS MS - R	PSV D/S HOV - 1 Down Stream	Flange	0	0.8	100	0.000000	8760	0
752	28.09.2024	Jetty CTMS MS - R	PSV D/S HOV - 2 Up Stream	Flange	0	0.8	100	0.000000	8760	0
753	28.09.2024	Jetty CTMS MS - R	PSV D/S HOV - 2 Down Stream	Flange	0	0.8	100	0.000000	8760	0
754	28.09.2024	Jetty CTMS MS - R	PSV D/S HOV - 3 Up Stream	Flange	0	0.8	100	0.000000	8760	0
755	28.09.2024	Jetty CTMS MS - R	PSV D/S HOV - 3 Down Stream	Flange	0	0.8	100	0.000000	8760	0
756	28.09.2024	Jetty CTMS MS - R	PSV D/S HOV - 4 Up Stream	Flange	0	0.8	100	0.000000	8760	0
757	28.09.2024	Jetty CTMS MS - R	PSV D/S HOV - 4 Down Stream	Flange	0	0.8	100	0.000000	8760	0
758	28.09.2024	Jetty CTMS MS - R	Stream 1 Flowmeter - 1	Flange	0	0.8	100	0.000000	8760	0
759	28.09.2024	Jetty CTMS MS - R	Stream 1 Flowmeter - 2	Flange	0	0.8	100	0.000000	8760	0
760	28.09.2024	Jetty CTMS MS - R	Stream 1 Flowmeter - 3	Flange	0	0.8	100	0.000000	8760	0
761	28.09.2024	Jetty CTMS MS - R	Stream 1 Flowmeter - 4	Flange	0.1	0.8	100	0.000001	8760	0.0064017
762	28.09.2024	Jetty CTMS MS - R	Stream 1 Flowmeter - 5	Flange	0	0.8	100	0.000000	8760	0
763	28.09.2024	Jetty CTMS MS - R	Stream 1 Flowmeter - 6	Flange	0.1	0.8	100	0.000001	8760	0.0064017
764	28.09.2024	Jetty CTMS MS - R	Stream 1 Flowmeter - 7	Flange	0.1	0.8	100	0.000001	8760	0.0064017

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S.NO	Date	Unit	Component ID & Location	Type	SCREEING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
765	28.09.2024	Jetty CTMS MS - R	Stream 1 Flowmeter - 8	Flange	0	0.8	100	0.000000	8760	0
766	28.09.2024	Jetty CTMS MS - R	Stream 1 Flowmeter - 9	Flange	0	0.8	100	0.000000	8760	0
767	28.09.2024	Jetty CTMS MS - R	Stream 1 Flowmeter - 10	Flange	0	0.8	100	0.000000	8760	0
768	28.09.2024	Jetty CTMS MS - R	Stream 2 Flowmeter - 1	Flange	0	0.8	100	0.000000	8760	0
769	28.09.2024	Jetty CTMS MS - R	Stream 2 Flowmeter - 2	Flange	0	0.8	100	0.000000	8760	0
770	28.09.2024	Jetty CTMS MS - R	Stream 2 Flowmeter - 3	Flange	0	0.8	100	0.000000	8760	0
771	28.09.2024	Jetty CTMS MS - R	Stream 2 Flowmeter - 4	Flange	0	0.8	100	0.000000	8760	0
772	28.09.2024	Jetty CTMS MS - R	Stream 2 Flowmeter - 5	Flange	0	0.8	100	0.000000	8760	0
773	28.09.2024	Jetty CTMS MS - R	Stream 2 Flowmeter - 6	Flange	0	0.8	100	0.000000	8760	0
774	28.09.2024	Jetty CTMS MS - R	Stream 2 Flowmeter - 7	Flange	0	0.8	100	0.000000	8760	0
775	28.09.2024	Jetty CTMS MS - R	Stream 2 Flowmeter - 8	Flange	0	0.8	100	0.000000	8760	0
776	28.09.2024	Jetty CTMS MS - R	Stream 2 Flowmeter - 9	Flange	0	0.8	100	0.000000	8760	0
777	28.09.2024	Jetty CTMS MS - R	Stream 2 Flowmeter - 10	Flange	0.1	0.8	100	0.000001	8760	0.0064017
778	28.09.2024	Jetty CTMS MS - R	Stream 3 Flowmeter - 1	Flange	0.1	0.8	100	0.000001	8760	0.0064017
779	28.09.2024	Jetty CTMS MS - R	Stream 3 Flowmeter - 2	Flange	0	0.8	100	0.000000	8760	0
780	28.09.2024	Jetty CTMS MS - R	Stream 3 Flowmeter - 3	Flange	0	0.8	100	0.000000	8760	0
781	28.09.2024	Jetty CTMS MS - R	Stream 3 Flowmeter - 4	Flange	0	0.8	100	0.000000	8760	0
782	28.09.2024	Jetty CTMS MS - R	Stream 3 Flowmeter - 5	Flange	0	0.8	100	0.000000	8760	0
783	28.09.2024	Jetty CTMS MS - R	Stream 3 Flowmeter - 6	Flange	0	0.8	100	0.000000	8760	0
784	28.09.2024	Jetty CTMS MS - R	Stream 3 Flowmeter - 7	Flange	0	0.8	100	0.000000	8760	0
785	28.09.2024	Jetty CTMS MS - R	Stream 3 Flowmeter - 8	Flange	0	0.8	100	0.000000	8760	0
786	28.09.2024	Jetty CTMS MS - R	Stream 3 Flowmeter - 9	Flange	0	0.8	100	0.000000	8760	0
787	28.09.2024	Jetty CTMS MS - R	Stream 3 Flowmeter - 10	Flange	0	0.8	100	0.000000	8760	0
788	28.09.2024	Jetty CTMS MS - R	Stream 4 Flowmeter - 1	Flange	0.1	0.8	100	0.000001	8760	0.0064017
789	28.09.2024	Jetty CTMS MS - R	Stream 4 Flowmeter - 2	Flange	0.1	0.8	100	0.000001	8760	0.0064017
790	28.09.2024	Jetty CTMS MS - R	Stream 4 Flowmeter - 3	Flange	0	0.8	100	0.000000	8760	0
791	28.09.2024	Jetty CTMS MS - R	Stream 4 Flowmeter - 4	Flange	0	0.8	100	0.000000	8760	0
792	28.09.2024	Jetty CTMS MS - R	Stream 4 Flowmeter - 5	Flange	0	0.8	100	0.000000	8760	0
793	28.09.2024	Jetty CTMS MS - R	Stream 4 Flowmeter - 6	Flange	0	0.8	100	0.000000	8760	0

LDAR points SOJ

S.NO	Date	Unit	Component ID & Location	Type	SCREEING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
794	28.09.2024	Jetty CTMS MS - R	Stream 4 Flowmeter - 7	Flange	0	0.8	100	0.000000	8760	0
795	28.09.2024	Jetty CTMS MS - R	Stream 4 Flowmeter - 8	Flange	0	0.8	100	0.000000	8760	0
796	28.09.2024	Jetty CTMS MS - R	Stream 4 Flowmeter - 9	Flange	0	0.8	100	0.000000	8760	0
797	28.09.2024	Jetty CTMS MS - R	Stream 4 Flowmeter - 10	Flange	0	0.8	100	0.000000	8760	0
798	28.09.2024	Jetty CTMS MS - R	CTMS U/S Ringspacer	Flange	0	0.8	100	0.000000	8760	0
799	28.09.2024	Jetty CTMS MS - R	PCV U/S HOV Up Stream	Flange	0	0.8	100	0.000000	8760	0
800	28.09.2024	Jetty CTMS MS - R	PCV U/S HOV Down Stream	Flange	0	0.8	100	0.000000	8760	0
801	28.09.2024	Jetty CTMS MS - R	PCV D/S HOV Up Stream	Flange	0	0.8	100	0.000000	8760	0
802	28.09.2024	Jetty CTMS MS - R	PCV D/S HOV Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
803	28.09.2024	Jetty CTMS MS - R	PCV Up Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
804	28.09.2024	Jetty CTMS MS - R	PCV Down Stream	Flange	0	0.8	100	0.000000	8760	0
805	28.09.2024	Jetty CTMS MS - R	PCV U/S LPD	Flange	0	0.8	100	0.000000	8760	0
806	28.09.2024	Jetty CTMS MS - R	PCV D/S LPD	Flange	0	0.8	100	0.000000	8760	0
807	28.09.2024	Jetty CTMS MS - R	PCV U/S PT	Flange	0	0.8	100	0.000000	8760	0
808	28.09.2024	Jetty CTMS MS - R	PCV D/S PT	Flange	0	0.8	100	0.000000	8760	0
809	28.09.2024	Jetty CTMS MS - R	PCV D/S PSV	Flange	0	0.8	100	0.000000	8760	0
810	28.09.2024	Jetty CTMS MS - R	PSV U/S & D/S HOV - 1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
811	28.09.2024	Jetty CTMS MS - R	PSV U/S & D/S HOV - 1 Down Stream	Flange	0	0.8	100	0.000000	8760	0
812	28.09.2024	Jetty CTMS MS - R	PSV U/S & D/S HOV - 2 Up Stream	Flange	0	0.8	100	0.000000	8760	0
813	28.09.2024	Jetty CTMS MS - R	PSV U/S & D/S HOV - 2 Down Stream	Flange	0	0.8	100	0.000000	8760	0
814	28.09.2024	Jetty CTMS MS - R	PSV U/S & D/S LPD Up Stream	Flange	0	0.8	100	0.000000	8760	0
815	28.09.2024	Jetty CTMS MS - R	PSV U/S & D/S LPD Down Stream	Flange	0	0.8	100	0.000000	8760	0
816	28.09.2024	Jetty CTMS MS - R	CTMS D/S HPV	Flange	0	0.8	100	0.000000	8760	0
817	28.09.2024	Jetty CTMS MS - R	Prover U/S & D/S Spool Up Stream	Flange	0	0.8	100	0.000000	8760	0
818	28.09.2024	Jetty CTMS MS - R	Prover U/S & D/S Spool Down Stream	Flange	0	0.8	100	0.000000	8760	0
819	28.09.2024	Jetty CTMS MS - R	Prover Inlet & Outlet Hov -1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
820	28.09.2024	Jetty CTMS MS - R	Prover Inlet & Outlet Hov -1 Down Stream	Flange	0	0.8	100	0.000000	8760	0
821	28.09.2024	Jetty CTMS MS - R	Prover Inlet & Outlet Hov -2 Up Stream	Flange	0	0.8	100	0.000000	8760	0

LDAR points SOJ

S.NO	Date	Unit	Component ID & Location	Type	SCREEING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
822	28.09.2024	Jetty CTMS MS - R	Prover Inlet & Outlet Hov -2 Down Stream	Flange	0	0.8	100	0.000000	8760	0
823	28.09.2024	Jetty CTMS MS - R	Prover Spool Up Stream	Flange	0	0.8	100	0.000000	8760	0
824	28.09.2024	Jetty CTMS MS - R	Prover Spool Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
825	28.09.2024	Jetty CTMS MS - R	Prover PT HOV Up Stream	Flange	0	0.8	100	0.000000	8760	0
826	28.09.2024	Jetty CTMS MS - R	Prover PT HOV Down Stream	Flange	0	0.8	100	0.000000	8760	0
827	28.09.2024	Jetty CTMS MS - R	Prover Spare Connection Up Stream	Flange	0	0.8	100	0.000000	8760	0
828	28.09.2024	Jetty CTMS MS - R	Prover Spare Connection Down Stream	Flange	0	0.8	100	0.000000	8760	0
829	28.09.2024	Jetty CTMS MS - R	Prover PSV	Flange	0	0.8	100	0.000000	8760	0
830	28.09.2024	Jetty CTMS MS - R	Prover Vent Hov - 1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
831	28.09.2024	Jetty CTMS MS - R	Prover Vent Hov - 1 Down Stream	Flange	0	0.8	100	0.000000	8760	0
832	28.09.2024	Jetty CTMS MS - R	Prover Vent Hov - 2 Up Stream	Flange	0	0.8	100	0.000000	8760	0
833	28.09.2024	Jetty CTMS MS - R	Prover Vent Hov - 2 Down Stream	Flange	0	0.8	100	0.000000	8760	0
834	28.09.2024	Jetty CTMS MS - R	Prover LPD	Flange	0	0.8	100	0.000000	8760	0
835	28.09.2024	Jetty CTMS MS - R	Prover LPD UP Stream	Flange	0	0.8	100	0.000000	8760	0
836	28.09.2024	Jetty CTMS MS - R	Prover LPD Down Stream	Flange	0	0.8	100	0.000000	8760	0
837	28.09.2024	Jetty CTMS MS - R	Drain Hov -1 UP Stream	Flange	0	0.8	100	0.000000	8760	0
838	28.09.2024	Jetty CTMS MS - R	Drain Hov -1 Down Stream	Flange	0	0.8	100	0.000000	8760	0
839	28.09.2024	Jetty CTMS MS - R	Drain Hov -2 UP Stream	Flange	0	0.8	100	0.000000	8760	0
840	28.09.2024	Jetty CTMS MS - R	Drain Hov -2 Down Stream	Flange	0	0.8	100	0.000000	8760	0
841	28.09.2024	Jetty CTMS MS - R	Drain Hov -3 UP Stream	Flange	0	0.8	100	0.000000	8760	0
842	28.09.2024	Jetty CTMS MS - R	Drain Hov -3 Down Stream	Flange	0	0.8	100	0.000000	8760	0
843	28.09.2024	Jetty CTMS MS - R	Drain Hov -4 UP Stream	Flange	0	0.8	100	0.000000	8760	0
844	28.09.2024	Jetty CTMS MS - R	Drain Hov -4 Down Stream	Flange	0	0.8	100	0.000000	8760	0
845	28.09.2024	Jetty CTMS MS - R	Drain Hov -5 UP Stream	Flange	0	0.8	100	0.000000	8760	0
846	28.09.2024	Jetty CTMS MS - R	Drain Hov -5 Down Stream	Flange	0	0.8	100	0.000000	8760	0
847	28.09.2024	Jetty CTMS MS - R	Drain Hov -6 UP Stream	Flange	0	0.8	100	0.000000	8760	0
848	28.09.2024	Jetty CTMS MS - R	Drain Hov -6 Down Stream	Flange	0	0.8	100	0.000000	8760	0
849	28.09.2024	Jetty CTMS MS - R	CBD Line HOV Up Stream	Flange	0	0.8	100	0.000000	8760	0

LDAR points SOJ

S.NO	Date	Unit	Component ID & Location	Type	SCREEING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
850	28.09.2024	Jetty CTMS MS - R	CBD Line HOV Down Stream	Flange	0	0.8	100	0.000000	8760	0
851	28.09.2024	Jetty CTMS MS - R	CBD Line End Flange	Flange	0	0.8	100	0.000000	8760	0
852	28.09.2024	Jetty CTMS MS - R	CBD Line NRV Up Stream	Flange	0	0.8	100	0.000000	8760	0
853	28.09.2024	Jetty CTMS MS - R	CBD Line NRV Down Stream	Flange	0	0.8	100	0.000000	8760	0
854	28.09.2024	Jetty CTMS MS - P	Vapour Eliminator HPV Up Stream	Flange	0	0.8	100	0.000000	8760	0
855	28.09.2024	Jetty CTMS MS - P	Vapour Eliminator HPV Down Stream	Flange	0	0.8	100	0.000000	8760	0
856	28.09.2024	Jetty CTMS MS - P	Main Line PSV	Flange	0	0.8	100	0.000000	8760	0
857	28.09.2024	Jetty CTMS MS - P	Main Line PSV U/S Up Stream	Flange	0	0.8	100	0.000000	8760	0
858	28.09.2024	Jetty CTMS MS - P	Main Line PSV U/S Down Stream	Flange	0	0.8	100	0.000000	8760	0
859	28.09.2024	Jetty CTMS MS - P	Main Line PSV D/S Up Stream	Flange	0	0.8	100	0.000000	8760	0
860	28.09.2024	Jetty CTMS MS - P	Main Line PSV D/S Down Stream	Flange	0	0.8	100	0.000000	8760	0
861	28.09.2024	Jetty CTMS MS - P	Main Line PSV U/S Drain Point	Flange	0	0.8	100	0.000000	8760	0
862	28.09.2024	Jetty CTMS MS - P	Main Line PSV D/S Drain Point	Flange	0	0.8	100	0.000000	8760	0
863	28.09.2024	Jetty CTMS MS - P	Vapour Eliminator Inlet	Flange	0	0.8	100	0.000000	8760	0
864	28.09.2024	Jetty CTMS MS - P	Vapour Eliminator Outlet	Flange	0	0.8	100	0.000000	8760	0
865	28.09.2024	Jetty CTMS MS - P	Vapour Eliminator Manhole	Flange	0	0.8	100	0.000000	8760	0
866	28.09.2024	Jetty CTMS MS - P	Vapour Eliminator Drain Point HOV	Flange	0	0.8	100	0.000000	8760	0
867	28.09.2024	Jetty CTMS MS - P	Vapour Eliminator PSV	Flange	0	0.8	100	0.000000	8760	0
868	28.09.2024	Jetty CTMS MS - P	Vapour Eliminator PSV U/S HOV Up Stream	Flange	0	0.8	100	0.000000	8760	0
869	28.09.2024	Jetty CTMS MS - P	Vapour Eliminator PSV U/S HOV Down Stream	Flange	0	0.8	100	0.000000	8760	0
870	28.09.2024	Jetty CTMS MS - P	Vapour Eliminator PSV D/S HOV Up Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
871	28.09.2024	Jetty CTMS MS - P	Vapour Eliminator PSV D/S HOV Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
872	28.09.2024	Jetty CTMS MS - P	Vapour Eliminator PSV U/S Drain Point	Flange	0.1	0.8	100	0.000001	8760	0.0064017
873	28.09.2024	Jetty CTMS MS - P	Vapour Eliminator PSV D/S Drain Point	Flange	0	0.8	100	0.000000	8760	0
874	28.09.2024	Jetty CTMS MS - P	Vapour Eliminator Vent Point	Flange	0	0.8	100	0.000000	8760	0
875	28.09.2024	Jetty CTMS MS - P	Vapour Eliminator HOV -1 Up Stream	Flange	0	0.8	100	0.000000	8760	0

LDAR points SOJ

S.NO	Date	Unit	Component ID & Location	Type	SCREEING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
876	28.09.2024	Jetty CTMS MS - P	Vapour Eliminator HOV -1 down Stream	Flange	0	0.8	100	0.000000	8760	0
877	28.09.2024	Jetty CTMS MS - P	Vapour Eliminator HOV -2 Up Stream	Flange	0	0.8	100	0.000000	8760	0
878	28.09.2024	Jetty CTMS MS - P	Vapour Eliminator HOV -2 down Stream	Flange	0	0.8	100	0.000000	8760	0
879	28.09.2024	Jetty CTMS MS - P	CTMS U/S Ringspacer	Flange	0	0.8	100	0.000000	8760	0
880	28.09.2024	Jetty CTMS MS - P	Firest Loop Pump U/S HOV Up Stream	Flange	0	0.8	100	0.000000	8760	0
881	28.09.2024	Jetty CTMS MS - P	Firest Loop Pump U/S HOV Down Stream	Flange	0	0.8	100	0.000000	8760	0
882	28.09.2024	Jetty CTMS MS - P	Firest Loop Pump U/S Drain Point HOV Up Stream	Flange	0	0.8	100	0.000000	8760	0
883	28.09.2024	Jetty CTMS MS - P	Firest Loop Pump U/S Drain Point HOV Down Stream	Flange	0	0.8	100	0.000000	8760	0
884	28.09.2024	Jetty CTMS MS - P	Firest Loop Pump Up Stream	Flange	0	0.8	100	0.000000	8760	0
885	28.09.2024	Jetty CTMS MS - P	Firest Loop Pump Down Stream	Flange	0	0.8	100	0.000000	8760	0
886	28.09.2024	Jetty CTMS MS - P	Flowmeter Up Stream	Flange	0	0.8	100	0.000000	8760	0
887	28.09.2024	Jetty CTMS MS - P	Flowmeter Down Stream	Flange	0	0.8	100	0.000000	8760	0
888	28.09.2024	Jetty CTMS MS - P	Firest Loop Pump Discharge PT HOV Up Stream	Flange	0	0.8	100	0.000000	8760	0
889	28.09.2024	Jetty CTMS MS - P	Firest Loop Pump Discharge PT HOV Down Stream	Flange	0	0.8	100	0.000000	8760	0
890	28.09.2024	Jetty CTMS MS - P	Firest Loop Pump Discharge TT HOV	Flange	0	0.8	100	0.000000	8760	0
891	28.09.2024	Jetty CTMS MS - P	Firest Loop Pump D/S Drain Point HOV Up Stream	Flange	0	0.8	100	0.000000	8760	0
892	28.09.2024	Jetty CTMS MS - P	Firest Loop Pump D/S Drain Point HOV Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
893	28.09.2024	Jetty CTMS MS - P	Densitometer - 1 Up Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
894	28.09.2024	Jetty CTMS MS - P	Densitometer - 1 Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
895	28.09.2024	Jetty CTMS MS - P	Densitometer - 2 Up Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
896	28.09.2024	Jetty CTMS MS - P	Densitometer - 2 Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
897	28.09.2024	Jetty CTMS MS - P	Densitometer U/S HOV - 1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
898	28.09.2024	Jetty CTMS MS - P	Densitometer U/S HOV - 1 Down Stream	Flange	0	0.8	100	0.000000	8760	0
899	28.09.2024	Jetty CTMS MS - P	Densitometer U/S HOV - 2 Up Stream	Flange	0	0.8	100	0.000000	8760	0

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S.NO	Date	Unit	Component ID & Location	Type	SCREEING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
900	28.09.2024	Jetty CTMS MS - P	Densitometer U/S HOV - 2 Down Stream	Flange	0	0.8	100	0.000000	8760	0
901	28.09.2024	Jetty CTMS MS - P	Densitometer D/S HOV - 1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
902	28.09.2024	Jetty CTMS MS - P	Densitometer D/S HOV - 1 Down Stream	Flange	0	0.8	100	0.000000	8760	0
903	28.09.2024	Jetty CTMS MS - P	Densitometer D/S HOV - 2 Up Stream	Flange	0	0.8	100	0.000000	8760	0
904	28.09.2024	Jetty CTMS MS - P	Densitometer D/S HOV - 2 Down Stream	Flange	0	0.8	100	0.000000	8760	0
905	28.09.2024	Jetty CTMS MS - P	Densitometer D/S HPV	Flange	0.1	0.8	100	0.000001	8760	0.0064017
906	28.09.2024	Jetty CTMS MS - P	Sampler HOV - 1 Up Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
907	28.09.2024	Jetty CTMS MS - P	Sampler HOV - 1 Down Stream	Flange	0	0.8	100	0.000000	8760	0
908	28.09.2024	Jetty CTMS MS - P	Sampler HOV - 2 Up Stream	Flange	0	0.8	100	0.000000	8760	0
909	28.09.2024	Jetty CTMS MS - P	Sampler HOV - 2 Down Stream	Flange	0	0.8	100	0.000000	8760	0
910	28.09.2024	Jetty CTMS MS - P	Globe Valve Up Stream	Flange	0	0.8	100	0.000000	8760	0
911	28.09.2024	Jetty CTMS MS - P	Globe Valve Down Stream	Flange	0	0.8	100	0.000000	8760	0
912	28.09.2024	Jetty CTMS MS - P	Firest Loop Pump D/S HOV Up Stream	Flange	0	0.8	100	0.000000	8760	0
913	28.09.2024	Jetty CTMS MS - P	Firest Loop Pump D/S HOV Down Stream	Flange	0	0.8	100	0.000000	8760	0
914	28.09.2024	Jetty CTMS MS - P	Header Drain HOV - 1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
915	28.09.2024	Jetty CTMS MS - P	Header Drain HOV - 1 Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
916	28.09.2024	Jetty CTMS MS - P	Header Drain HOV - 2 Up Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
917	28.09.2024	Jetty CTMS MS - P	Header Drain HOV - 2 Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
918	28.09.2024	Jetty CTMS MS - P	Stream 1 HOV - 1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
919	28.09.2024	Jetty CTMS MS - P	Stream 1 HOV - 1 Down Stream	Flange	0	0.8	100	0.000000	8760	0
920	28.09.2024	Jetty CTMS MS - P	Stream 1 HOV - 2 Up Stream	Flange	0	0.8	100	0.000000	8760	0
921	28.09.2024	Jetty CTMS MS - P	Stream 1 HOV - 2 Down Stream	Flange	0	0.8	100	0.000000	8760	0
922	28.09.2024	Jetty CTMS MS - P	Stream 1 HOV - 3 Up Stream	Flange	0	0.8	100	0.000000	8760	0
923	28.09.2024	Jetty CTMS MS - P	Stream 1 HOV - 3 Down Stream	Flange	0	0.8	100	0.000000	8760	0
924	28.09.2024	Jetty CTMS MS - P	Stream 2 HOV - 1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
925	28.09.2024	Jetty CTMS MS - P	Stream 2 HOV - 1 Down Stream	Flange	0	0.8	100	0.000000	8760	0

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S.NO	Date	Unit	Component ID & Location	Type	SCREENING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
926	28.09.2024	Jetty CTMS MS - P	Stream 2 HOV - 2 Up Stream	Flange	0	0.8	100	0.000000	8760	0
927	28.09.2024	Jetty CTMS MS - P	Stream 2 HOV - 2 Down Stream	Flange	0	0.8	100	0.000000	8760	0
928	28.09.2024	Jetty CTMS MS - P	Stream 2 HOV - 3 Up Stream	Flange	0	0.8	100	0.000000	8760	0
929	28.09.2024	Jetty CTMS MS - P	Stream 2 HOV - 3 Down Stream	Flange	0	0.8	100	0.000000	8760	0
930	28.09.2024	Jetty CTMS MS - P	Stream 3 HOV - 1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
931	28.09.2024	Jetty CTMS MS - P	Stream 3 HOV - 1 Down Stream	Flange	0	0.8	100	0.000000	8760	0
932	28.09.2024	Jetty CTMS MS - P	Stream 3 HOV - 2 Up Stream	Flange	0	0.8	100	0.000000	8760	0
933	28.09.2024	Jetty CTMS MS - P	Stream 3 HOV - 2 Down Stream	Flange	0	0.8	100	0.000000	8760	0
934	28.09.2024	Jetty CTMS MS - P	Stream 3 HOV - 3 Up Stream	Flange	0	0.8	100	0.000000	8760	0
935	28.09.2024	Jetty CTMS MS - P	Stream 3 HOV - 3 Down Stream	Flange	0	0.8	100	0.000000	8760	0
936	28.09.2024	Jetty CTMS MS - P	Stream 4 HOV - 1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
937	28.09.2024	Jetty CTMS MS - P	Stream 4 HOV - 1 Down Stream	Flange	0	0.8	100	0.000000	8760	0
938	28.09.2024	Jetty CTMS MS - P	Stream 4 HOV - 2 Up Stream	Flange	0	0.8	100	0.000000	8760	0
939	28.09.2024	Jetty CTMS MS - P	Stream 4 HOV - 2 Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
940	28.09.2024	Jetty CTMS MS - P	Stream 4 HOV - 3 Up Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
941	28.09.2024	Jetty CTMS MS - P	Stream 4 HOV - 3 Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
942	28.09.2024	Jetty CTMS MS - P	Back Filter- 1 Up Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
943	28.09.2024	Jetty CTMS MS - P	Back Filter - 1 Down Stream	Flange	0	0.8	100	0.000000	8760	0
944	28.09.2024	Jetty CTMS MS - P	Back Filter - 2 Up Stream	Flange	0	0.8	100	0.000000	8760	0
945	28.09.2024	Jetty CTMS MS - P	Back Filter - 2 Down Stream	Flange	0	0.8	100	0.000000	8760	0
946	28.09.2024	Jetty CTMS MS - P	Back Filter - 3 Up Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
947	28.09.2024	Jetty CTMS MS - P	Back Filter - 3 Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
948	28.09.2024	Jetty CTMS MS - P	Back Filter - 4 Up Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
949	28.09.2024	Jetty CTMS MS - P	Back Filter - 4 Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
950	28.09.2024	Jetty CTMS MS - P	Back Filter Drain HOV - 1 Up Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
951	28.09.2024	Jetty CTMS MS - P	Back Filter Drain HOV - 1 Down Stream	Flange	0	0.8	100	0.000000	8760	0
952	28.09.2024	Jetty CTMS MS - P	Back Filter Drain HOV - 2 Up Stream	Flange	0	0.8	100	0.000000	8760	0
953	28.09.2024	Jetty CTMS MS - P	Back Filter Drain HOV - 2 Down Stream	Flange	0	0.8	100	0.000000	8760	0

LDAR points SOJ

S.NO	Date	Unit	Component ID & Location	Type	SCREEING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
954	28.09.2024	Jetty CTMS MS - P	Back Filter Drain HOV - 3 Up Stream	Flange	0	0.8	100	0.000000	8760	0
955	28.09.2024	Jetty CTMS MS - P	Back Filter Drain HOV - 3 Down Stream	Flange	0	0.8	100	0.000000	8760	0
956	28.09.2024	Jetty CTMS MS - P	Back Filter Drain HOV - 4 Up Stream	Flange	0	0.8	100	0.000000	8760	0
957	28.09.2024	Jetty CTMS MS - P	Back Filter Drain HOV - 4 Down Stream	Flange	0	0.8	100	0.000000	8760	0
958	28.09.2024	Jetty CTMS MS - P	Back Filter Drain HOV - 5 Up Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
959	28.09.2024	Jetty CTMS MS - P	Back Filter Drain HOV - 5 Down Stream	Flange	0	0.8	100	0.000000	8760	0
960	28.09.2024	Jetty CTMS MS - P	Back Filter Drain HOV - 6 Up Stream	Flange	0	0.8	100	0.000000	8760	0
961	28.09.2024	Jetty CTMS MS - P	Back Filter Drain HOV - 6 Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
962	28.09.2024	Jetty CTMS MS - P	Back Filter Drain HOV - 7 Up Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
963	28.09.2024	Jetty CTMS MS - P	Back Filter Drain HOV - 7 Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
964	28.09.2024	Jetty CTMS MS - P	Back Filter Drain HOV - 8 Up Stream	Flange	0	0.8	100	0.000000	8760	0
965	28.09.2024	Jetty CTMS MS - P	Back Filter Drain HOV - 8 Down Stream	Flange	0	0.8	100	0.000000	8760	0
966	28.09.2024	Jetty CTMS MS - P	Stream 1 MOV - 1 Up Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
967	28.09.2024	Jetty CTMS MS - P	Stream 1 MOV - 1 Down Stream	Flange	0	0.8	100	0.000000	8760	0
968	28.09.2024	Jetty CTMS MS - P	Stream 2 MOV - 1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
969	28.09.2024	Jetty CTMS MS - P	Stream 2 MOV - 1 Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
970	28.09.2024	Jetty CTMS MS - P	Stream 2 MOV - 2 Up Stream	Flange	0	0.8	100	0.000000	8760	0
971	28.09.2024	Jetty CTMS MS - P	Stream 2 MOV - 2 Down Stream	Flange	0	0.8	100	0.000000	8760	0
972	28.09.2024	Jetty CTMS MS - P	Stream 3 MOV - 1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
973	28.09.2024	Jetty CTMS MS - P	Stream 3 MOV - 1 Down Stream	Flange	0	0.8	100	0.000000	8760	0
974	28.09.2024	Jetty CTMS MS - P	Stream 3 MOV - 2 Up Stream	Flange	0	0.8	100	0.000000	8760	0
975	28.09.2024	Jetty CTMS MS - P	Stream 3 MOV - 2 Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
976	28.09.2024	Jetty CTMS MS - P	Stream 4 MOV - 1 Up Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
977	28.09.2024	Jetty CTMS MS - P	Stream 4 MOV - 1 Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
978	28.09.2024	Jetty CTMS MS - P	Stream 4 MOV - 2 Up Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017

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S.NO	Date	Unit	Component ID & Location	Type	SCREEING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
979	28.09.2024	Jetty CTMS MS - P	Stream 4 MOV - 2 Down Stream	Flange	0	0.8	100	0.000000	8760	0
980	28.09.2024	Jetty CTMS MS - P	Stream 1 FCV - 1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
981	28.09.2024	Jetty CTMS MS - P	Stream 1 FCV - 1 Down Stream	Flange	0	0.8	100	0.000000	8760	0
982	28.09.2024	Jetty CTMS MS - P	Stream 2 FCV - 1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
983	28.09.2024	Jetty CTMS MS - P	Stream 2 FCV - 1 Down Stream	Flange	0	0.8	100	0.000000	8760	0
984	28.09.2024	Jetty CTMS MS - P	Stream 2 FCV - 2 Up Stream	Flange	0	0.8	100	0.000000	8760	0
985	28.09.2024	Jetty CTMS MS - P	Stream 2 FCV - 2 Down Stream	Flange	0	0.8	100	0.000000	8760	0
986	28.09.2024	Jetty CTMS MS - P	Stream 3 FCV - 1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
987	28.09.2024	Jetty CTMS MS - P	Stream 3 FCV - 1 Down Stream	Flange	0	0.8	100	0.000000	8760	0
988	28.09.2024	Jetty CTMS MS - P	Stream 3 FCV - 2 Up Stream	Flange	0.2	0.8	100	0.000001	8760	0.0104212
989	28.09.2024	Jetty CTMS MS - P	Stream 3 FCV - 2 Down Stream	Flange	0.3	0.8	100	0.000002	8760	0.0138583
990	28.09.2024	Jetty CTMS MS - P	Stream 4 FCV - 1 Up Stream	Flange	0.2	0.8	100	0.000001	8760	0.0104212
991	28.09.2024	Jetty CTMS MS - P	Stream 4 FCV - 1 Down Stream	Flange	0.2	0.8	100	0.000001	8760	0.0104212
992	28.09.2024	Jetty CTMS MS - P	Stream 4 FCV - 2 Up Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
993	28.09.2024	Jetty CTMS MS - P	Stream 4 FCV - 2 Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
994	28.09.2024	Jetty CTMS MS - P	DGP HOV - 1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
995	28.09.2024	Jetty CTMS MS - P	DGP HOV - 1 Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
996	28.09.2024	Jetty CTMS MS - P	DGP HOV - 2 Up Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
997	28.09.2024	Jetty CTMS MS - P	DGP HOV - 2 Down Stream	Flange	0.2	0.8	100	0.000001	8760	0.0104212
998	28.09.2024	Jetty CTMS MS - P	DGP HOV - 3 Up Stream	Flange	0	0.8	100	0.000000	8760	0
999	28.09.2024	Jetty CTMS MS - P	DGP HOV - 3 Down Stream	Flange	0	0.8	100	0.000000	8760	0
1000	28.09.2024	Jetty CTMS MS - P	DGP HOV - 4 Up Stream	Flange	0	0.8	100	0.000000	8760	0
1001	28.09.2024	Jetty CTMS MS - P	DGP HOV - 4 Down Stream	Flange	0	0.8	100	0.000000	8760	0
1002	28.09.2024	Jetty CTMS MS - P	DGP HOV - 5 Up Stream	Flange	0	0.8	100	0.000000	8760	0
1003	28.09.2024	Jetty CTMS MS - P	DGP HOV - 5 Down Stream	Flange	0	0.8	100	0.000000	8760	0
1004	28.09.2024	Jetty CTMS MS - P	DGP HOV - 6 Up Stream	Flange	0	0.8	100	0.000000	8760	0
1005	28.09.2024	Jetty CTMS MS - P	DGP HOV - 6 Down Stream	Flange	0	0.8	100	0.000000	8760	0
1006	28.09.2024	Jetty CTMS MS - P	DGP HOV - 7 Up Stream	Flange	0.2	0.8	100	0.000001	8760	0.0104212
1007	28.09.2024	Jetty CTMS MS - P	DGP HOV - 7 Down Stream	Flange	0	0.8	100	0.000000	8760	0

LDAR points SOJ

S.NO	Date	Unit	Component ID & Location	Type	SCREEING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
1008	28.09.2024	Jetty CTMS MS - P	DGP HOV - 8 Up Stream	Flange	0	0.8	100	0.000000	8760	0
1009	28.09.2024	Jetty CTMS MS - P	DGP HOV - 8 Down Stream	Flange	0	0.8	100	0.000000	8760	0
1010	28.09.2024	Jetty CTMS MS - P	PSV - 1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
1011	28.09.2024	Jetty CTMS MS - P	PSV - 1 Down Stream	Flange	0.2	0.8	100	0.000001	8760	0.0104212
1012	28.09.2024	Jetty CTMS MS - P	PSV - 2 Up Stream	Flange	0.2	0.8	100	0.000001	8760	0.0104212
1013	28.09.2024	Jetty CTMS MS - P	PSV - 2 Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
1014	28.09.2024	Jetty CTMS MS - P	PSV - 3 Up Stream	Flange	0.2	0.8	100	0.000001	8760	0.0104212
1015	28.09.2024	Jetty CTMS MS - P	PSV - 3 Down Stream	Flange	0.2	0.8	100	0.000001	8760	0.0104212
1016	28.09.2024	Jetty CTMS MS - P	PSV - 4 Up Stream	Flange	0	0.8	100	0.000000	8760	0
1017	28.09.2024	Jetty CTMS MS - P	PSV - 4 Down Stream	Flange	0	0.8	100	0.000000	8760	0
1018	28.09.2024	Jetty CTMS MS - P	PSV U/S HOV - 1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
1019	28.09.2024	Jetty CTMS MS - P	PSV U/S HOV - 1 Down Stream	Flange	0	0.8	100	0.000000	8760	0
1020	28.09.2024	Jetty CTMS MS - P	PSV U/S HOV - 2 Up Stream	Flange	0	0.8	100	0.000000	8760	0
1021	28.09.2024	Jetty CTMS MS - P	PSV U/S HOV - 2 Down Stream	Flange	0	0.8	100	0.000000	8760	0
1022	28.09.2024	Jetty CTMS MS - P	PSV U/S HOV - 3 Up Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
1023	28.09.2024	Jetty CTMS MS - P	PSV U/S HOV - 3 Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
1024	28.09.2024	Jetty CTMS MS - P	PSV U/S HOV - 4 Up Stream	Flange	0	0.8	100	0.000000	8760	0
1025	28.09.2024	Jetty CTMS MS - P	PSV U/S HOV - 4 Down Stream	Flange	0	0.8	100	0.000000	8760	0
1026	28.09.2024	Jetty CTMS MS - P	PSV D/S HOV - 1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
1027	28.09.2024	Jetty CTMS MS - P	PSV D/S HOV - 1 Down Stream	Flange	0	0.8	100	0.000000	8760	0
1028	28.09.2024	Jetty CTMS MS - P	PSV D/S HOV - 2 Up Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
1029	28.09.2024	Jetty CTMS MS - P	PSV D/S HOV - 2 Down Stream	Flange	0	0.8	100	0.000000	8760	0
1030	28.09.2024	Jetty CTMS MS - P	PSV D/S HOV - 3 Up Stream	Flange	0	0.8	100	0.000000	8760	0
1031	28.09.2024	Jetty CTMS MS - P	PSV D/S HOV - 3 Down Stream	Flange	0	0.8	100	0.000000	8760	0
1032	28.09.2024	Jetty CTMS MS - P	PSV D/S HOV - 4 Up Stream	Flange	0	0.8	100	0.000000	8760	0
1033	28.09.2024	Jetty CTMS MS - P	PSV D/S HOV - 4 Down Stream	Flange	0	0.8	100	0.000000	8760	0
1034	28.09.2024	Jetty CTMS MS - P	Stream 1 Flowmeter - 1	Flange	0.2	0.8	100	0.000001	8760	0.0104212
1035	28.09.2024	Jetty CTMS MS - P	Stream 1 Flowmeter - 2	Flange	0.2	0.8	100	0.000001	8760	0.0104212
1036	28.09.2024	Jetty CTMS MS - P	Stream 1 Flowmeter - 3	Flange	0.3	0.8	100	0.000002	8760	0.0138583

LDAR points SOJ

S.NO	Date	Unit	Component ID & Location	Type	SCREEING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
1037	28.09.2024	Jetty CTMS MS - P	Stream 1 Flowmeter - 4	Flange	0	0.8	100	0.000000	8760	0
1038	28.09.2024	Jetty CTMS MS - P	Stream 1 Flowmeter - 5	Flange	0	0.8	100	0.000000	8760	0
1039	28.09.2024	Jetty CTMS MS - P	Stream 1 Flowmeter - 6	Flange	0.2	0.8	100	0.000001	8760	0.0104212
1040	28.09.2024	Jetty CTMS MS - P	Stream 1 Flowmeter - 7	Flange	0	0.8	100	0.000000	8760	0
1041	28.09.2024	Jetty CTMS MS - P	Stream 1 Flowmeter - 8	Flange	0	0.8	100	0.000000	8760	0
1042	28.09.2024	Jetty CTMS MS - P	Stream 1 Flowmeter - 9	Flange	0	0.8	100	0.000000	8760	0
1043	28.09.2024	Jetty CTMS MS - P	Stream 1 Flowmeter - 10	Flange	0	0.8	100	0.000000	8760	0
1044	28.09.2024	Jetty CTMS MS - P	Stream 2 Flowmeter - 1	Flange	0	0.8	100	0.000000	8760	0
1045	28.09.2024	Jetty CTMS MS - P	Stream 2 Flowmeter - 2	Flange	0	0.8	100	0.000000	8760	0
1046	28.09.2024	Jetty CTMS MS - P	Stream 2 Flowmeter - 3	Flange	0	0.8	100	0.000000	8760	0
1047	28.09.2024	Jetty CTMS MS - P	Stream 2 Flowmeter - 4	Flange	0	0.8	100	0.000000	8760	0
1048	28.09.2024	Jetty CTMS MS - P	Stream 2 Flowmeter - 5	Flange	0	0.8	100	0.000000	8760	0
1049	28.09.2024	Jetty CTMS MS - P	Stream 2 Flowmeter - 6	Flange	0	0.8	100	0.000000	8760	0
1050	28.09.2024	Jetty CTMS MS - P	Stream 2 Flowmeter - 7	Flange	0	0.8	100	0.000000	8760	0
1051	28.09.2024	Jetty CTMS MS - P	Stream 2 Flowmeter - 8	Flange	0.4	0.8	100	0.000002	8760	0.0169646
1052	28.09.2024	Jetty CTMS MS - P	Stream 2 Flowmeter - 9	Flange	0.2	0.8	100	0.000001	8760	0.0104212
1053	28.09.2024	Jetty CTMS MS - P	Stream 2 Flowmeter - 10	Flange	0.2	0.8	100	0.000001	8760	0.0104212
1054	28.09.2024	Jetty CTMS MS - P	Stream 3 Flowmeter - 1	Flange	0.1	0.8	100	0.000001	8760	0.0064017
1055	28.09.2024	Jetty CTMS MS - P	Stream 3 Flowmeter - 2	Flange	0	0.8	100	0.000000	8760	0
1056	28.09.2024	Jetty CTMS MS - P	Stream 3 Flowmeter - 3	Flange	0	0.8	100	0.000000	8760	0
1057	28.09.2024	Jetty CTMS MS - P	Stream 3 Flowmeter - 4	Flange	0	0.8	100	0.000000	8760	0
1058	28.09.2024	Jetty CTMS MS - P	Stream 3 Flowmeter - 5	Flange	0	0.8	100	0.000000	8760	0
1059	28.09.2024	Jetty CTMS MS - P	Stream 3 Flowmeter - 6	Flange	0	0.8	100	0.000000	8760	0
1060	28.09.2024	Jetty CTMS MS - P	Stream 3 Flowmeter - 7	Flange	0	0.8	100	0.000000	8760	0
1061	28.09.2024	Jetty CTMS MS - P	Stream 3 Flowmeter - 8	Flange	0	0.8	100	0.000000	8760	0
1062	28.09.2024	Jetty CTMS MS - P	Stream 3 Flowmeter - 9	Flange	0	0.8	100	0.000000	8760	0
1063	28.09.2024	Jetty CTMS MS - P	Stream 3 Flowmeter - 10	Flange	0	0.8	100	0.000000	8760	0
1064	28.09.2024	Jetty CTMS MS - P	Stream 4 Flowmeter - 1	Flange	0	0.8	100	0.000000	8760	0
1065	28.09.2024	Jetty CTMS MS - P	Stream 4 Flowmeter - 2	Flange	0	0.8	100	0.000000	8760	0

LDAR points SOJ

S.NO	Date	Unit	Component ID & Location	Type	SCREEING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
1066	28.09.2024	Jetty CTMS MS - P	Stream 4 Flowmeter - 3	Flange	0	0.8	100	0.000000	8760	0
1067	28.09.2024	Jetty CTMS MS - P	Stream 4 Flowmeter - 4	Flange	0	0.8	100	0.000000	8760	0
1068	28.09.2024	Jetty CTMS MS - P	Stream 4 Flowmeter - 5	Flange	0.1	0.8	100	0.000001	8760	0.0064017
1069	28.09.2024	Jetty CTMS MS - P	Stream 4 Flowmeter - 6	Flange	0.1	0.8	100	0.000001	8760	0.0064017
1070	28.09.2024	Jetty CTMS MS - P	Stream 4 Flowmeter - 7	Flange	0	0.8	100	0.000000	8760	0
1071	28.09.2024	Jetty CTMS MS - P	Stream 4 Flowmeter - 8	Flange	0	0.8	100	0.000000	8760	0
1072	28.09.2024	Jetty CTMS MS - P	Stream 4 Flowmeter - 9	Flange	0	0.8	100	0.000000	8760	0
1073	28.09.2024	Jetty CTMS MS - P	Stream 4 Flowmeter - 10	Flange	0	0.8	100	0.000000	8760	0
1074	28.09.2024	Jetty CTMS MS - P	CTMS U/S Ringspacer	Flange	0.1	0.8	100	0.000001	8760	0.0064017
1075	28.09.2024	Jetty CTMS MS - P	PCV U/S HOV Up Stream	Flange	0	0.8	100	0.000000	8760	0
1076	28.09.2024	Jetty CTMS MS - P	PCV U/S HOV Down Stream	Flange	0	0.8	100	0.000000	8760	0
1077	28.09.2024	Jetty CTMS MS - P	PCV D/S HOV Up Stream	Flange	0	0.8	100	0.000000	8760	0
1078	28.09.2024	Jetty CTMS MS - P	PCV D/S HOV Down Stream	Flange	0	0.8	100	0.000000	8760	0
1079	28.09.2024	Jetty CTMS MS - P	PCV Up Stream	Flange	0	0.8	100	0.000000	8760	0
1080	28.09.2024	Jetty CTMS MS - P	PCV Down Stream	Flange	0	0.8	100	0.000000	8760	0
1081	28.09.2024	Jetty CTMS MS - P	PCV U/S LPD	Flange	0	0.8	100	0.000000	8760	0
1082	28.09.2024	Jetty CTMS MS - P	PCV D/S LPD	Flange	0.2	0.8	100	0.000001	8760	0.0104212
1083	28.09.2024	Jetty CTMS MS - P	PCV U/S PT	Flange	0.2	0.8	100	0.000001	8760	0.0104212
1084	28.09.2024	Jetty CTMS MS - P	PCV D/S PT	Flange	0.1	0.8	100	0.000001	8760	0.0064017
1085	28.09.2024	Jetty CTMS MS - P	PCV D/S PSV	Flange	0.1	0.8	100	0.000001	8760	0.0064017
1086	28.09.2024	Jetty CTMS MS - P	PSV U/S & D/S HOV - 1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
1087	28.09.2024	Jetty CTMS MS - P	PSV U/S & D/S HOV - 1 Down Stream	Flange	0	0.8	100	0.000000	8760	0
1088	28.09.2024	Jetty CTMS MS - P	PSV U/S & D/S HOV - 2 Up Stream	Flange	0	0.8	100	0.000000	8760	0
1089	28.09.2024	Jetty CTMS MS - P	PSV U/S & D/S HOV - 2 Down Stream	Flange	0	0.8	100	0.000000	8760	0
1090	28.09.2024	Jetty CTMS MS - P	PSV U/S & D/S LPD Up Stream	Flange	0	0.8	100	0.000000	8760	0
1091	28.09.2024	Jetty CTMS MS - P	PSV U/S & D/S LPD Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
1092	28.09.2024	Jetty CTMS MS - P	CTMS D/S HPV	Flange	0	0.8	100	0.000000	8760	0
1093	28.09.2024	Jetty CTMS MS - P	Prover U/S & D/S Spool Up Stream	Flange	0	0.8	100	0.000000	8760	0

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S.NO	Date	Unit	Component ID & Location	Type	SCREEING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
1094	28.09.2024	Jetty CTMS MS - P	Prover U/S & D/S Spool Down Stream	Flange	0	0.8	100	0.000000	8760	0
1095	28.09.2024	Jetty CTMS MS - P	Prover Inlet & Outlet Hov -1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
1096	28.09.2024	Jetty CTMS MS - P	Prover Inlet & Outlet Hov -1 Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
1097	28.09.2024	Jetty CTMS MS - P	Prover Inlet & Outlet Hov -2 Up Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
1098	28.09.2024	Jetty CTMS MS - P	Prover Inlet & Outlet Hov -2 Down Stream	Flange	0.2	0.8	100	0.000001	8760	0.0104212
1099	28.09.2024	Jetty CTMS MS - P	Prover Spool Up Stream	Flange	0.2	0.8	100	0.000001	8760	0.0104212
1100	28.09.2024	Jetty CTMS MS - P	Prover Spool Down Stream	Flange	0	0.8	100	0.000000	8760	0
1101	28.09.2024	Jetty CTMS MS - P	Prover PT HOV Up Stream	Flange	0	0.8	100	0.000000	8760	0
1102	28.09.2024	Jetty CTMS MS - P	Prover PT HOV Down Stream	Flange	0	0.8	100	0.000000	8760	0
1103	28.09.2024	Jetty CTMS MS - P	Prover Spare Connection Up Stream	Flange	0	0.8	100	0.000000	8760	0
1104	28.09.2024	Jetty CTMS MS - P	Prover Spare Connection Down Stream	Flange	0	0.8	100	0.000000	8760	0
1105	28.09.2024	Jetty CTMS MS - P	Prover PSV	Flange	0	0.8	100	0.000000	8760	0
1106	28.09.2024	Jetty CTMS MS - P	Prover Vent Hov - 1 Up Stream	Flange	0	0.8	100	0.000000	8760	0
1107	28.09.2024	Jetty CTMS MS - P	Prover Vent Hov - 1 Down Stream	Flange	0	0.8	100	0.000000	8760	0
1108	28.09.2024	Jetty CTMS MS - P	Prover Vent Hov - 2 Up Stream	Flange	0	0.8	100	0.000000	8760	0
1109	28.09.2024	Jetty CTMS MS - P	Prover Vent Hov - 2 Down Stream	Flange	0	0.8	100	0.000000	8760	0
1110	28.09.2024	Jetty CTMS MS - P	Prover LPD	Flange	0	0.8	100	0.000000	8760	0
1111	28.09.2024	Jetty CTMS MS - P	Prover LPD UP Stream	Flange	0	0.8	100	0.000000	8760	0
1112	28.09.2024	Jetty CTMS MS - P	Prover LPD Down Stream	Flange	0	0.8	100	0.000000	8760	0
1113	28.09.2024	Jetty CTMS MS - P	Drain Hov -1 UP Stream	Flange	0	0.8	100	0.000000	8760	0
1114	28.09.2024	Jetty CTMS MS - P	Drain Hov -1 Down Stream	Flange	0	0.8	100	0.000000	8760	0
1115	28.09.2024	Jetty CTMS MS - P	Drain Hov -2 UP Stream	Flange	0	0.8	100	0.000000	8760	0
1116	28.09.2024	Jetty CTMS MS - P	Drain Hov -2 Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
1117	28.09.2024	Jetty CTMS MS - P	Drain Hov -3 UP Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
1118	28.09.2024	Jetty CTMS MS - P	Drain Hov -3 Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
1119	28.09.2024	Jetty CTMS MS - P	Drain Hov -4 UP Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017
1120	28.09.2024	Jetty CTMS MS - P	Drain Hov -4 Down Stream	Flange	0.1	0.8	100	0.000001	8760	0.0064017

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S.NO	Date	Unit	Component ID & Location	Type	SCREENING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
1121	28.09.2024	Jetty CTMS MS - P	Drain Hov -5 UP Stream	Flange	0	0.8	100	0.000000	8760	0
1122	28.09.2024	Jetty CTMS MS - P	Drain Hov -5 Down Stream	Flange	0	0.8	100	0.000000	8760	0
1123	28.09.2024	Jetty CTMS MS - P	Drain Hov -6 UP Stream	Flange	0	0.8	100	0.000000	8760	0
1124	28.09.2024	Jetty CTMS MS - P	Drain Hov -6 Down Stream	Flange	0	0.8	100	0.000000	8760	0
1125	28.09.2024	Jetty CTMS MS - P	CBD Line HOV Up Stream	Flange	0	0.8	100	0.000000	8760	0
1126	28.09.2024	Jetty CTMS MS - P	CBD Line HOV Down Stream	Flange	0	0.8	100	0.000000	8760	0
1127	28.09.2024	Jetty CTMS MS - P	CBD Line End Flange	Flange	0	0.8	100	0.000000	8760	0
1128	28.09.2024	Jetty CTMS MS - P	CBD Line NRV Up Stream	Flange	0	0.8	100	0.000000	8760	0
1129	28.09.2024	Jetty CTMS MS - P	CBD Line NRV Down Stream	Flange	0	0.8	100	0.000000	8760	0
1130	28.09.2024	Jetty CTMS Propylene-(L)	Main Line HPV UP Stream	Flange	0	1	100	0.000000	8760	0
1131	28.09.2024	Jetty CTMS Propylene-(L)	Main Line HPV Down Stream	Flange	0	1	100	0.000000	8760	0
1132	28.09.2024	Jetty CTMS Propylene-(L)	Vapour Eliminator HPV Up Stream	Flange	0	1	100	0.000000	8760	0
1133	28.09.2024	Jetty CTMS Propylene-(L)	Vapour Eliminator HPV Down Stream	Flange	0	1	100	0.000000	8760	0
1134	28.09.2024	Jetty CTMS Propylene-(L)	Main Line PSV	Flange	0	1	100	0.000000	8760	0
1135	28.09.2024	Jetty CTMS Propylene-(L)	Main Line PSV U/S Up Stream	Flange	0	1	100	0.000000	8760	0
1136	28.09.2024	Jetty CTMS Propylene-(L)	Main Line PSV U/S Down Stream	Flange	0	1	100	0.000000	8760	0
1137	28.09.2024	Jetty CTMS Propylene-(L)	Main Line PSV D/S Up Stream	Flange	0	1	100	0.000000	8760	0
1138	28.09.2024	Jetty CTMS Propylene-(L)	Main Line PSV D/S Down Stream	Flange	0	1	100	0.000000	8760	0
1139	28.09.2024	Jetty CTMS Propylene-(L)	Main Line PSV U/S Drain Point	Flange	0	1	100	0.000000	8760	0
1140	28.09.2024	Jetty CTMS Propylene-(L)	Main Line PSV D/S Drain Point	Flange	0	1	100	0.000000	8760	0
1141	28.09.2024	Jetty CTMS Propylene-(L)	Vapour Eliminator Inlet	Flange	0	1	100	0.000000	8760	0
1142	28.09.2024	Jetty CTMS Propylene-(L)	Vapour Eliminator Outlet	Flange	0	1	100	0.000000	8760	0
1143	28.09.2024	Jetty CTMS Propylene-(L)	Vapour Eliminator Manhole	Flange	0	1	100	0.000000	8760	0
1144	28.09.2024	Jetty CTMS Propylene-(L)	Vapour Eliminator Drain Point HOV	Flange	0	1	100	0.000000	8760	0
1145	28.09.2024	Jetty CTMS Propylene-(L)	Vapour Eliminator PSV	Flange	0	1	100	0.000000	8760	0
1146	28.09.2024	Jetty CTMS Propylene-(L)	Vapour Eliminator PSV U/S HOV Up Stream	Flange	0	1	100	0.000000	8760	0
1147	28.09.2024	Jetty CTMS Propylene-(L)	Vapour Eliminator PSV U/S HOV Down Stream	Flange	0	1	100	0.000000	8760	0

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1148	28.09.2024	Jetty CTMS Propylene-(L)	Vapour Eliminator PSV D/S HOV Up Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
1149	28.09.2024	Jetty CTMS Propylene-(L)	Vapour Eliminator PSV D/S HOVDown Stream	Flange	0	1	100	0.000000	8760	0
1150	28.09.2024	Jetty CTMS Propylene-(L)	Vapour Elminator PSV U/S Drain Point	Flange	0	1	100	0.000000	8760	0
1151	28.09.2024	Jetty CTMS Propylene-(L)	Vapour Elminator PSV D/S Drain Point	Flange	0	1	100	0.000000	8760	0
1152	28.09.2024	Jetty CTMS Propylene-(L)	Vapour Elminator Vent Point-1	Flange	0	1	100	0.000000	8760	0
1153	28.09.2024	Jetty CTMS Propylene-(L)	Vapour Elminator Vent Point-2	Flange	0	1	100	0.000000	8760	0
1154	28.09.2024	Jetty CTMS Propylene-(L)	Vapour Elminator Vent Point-3	Flange	0	1	100	0.000000	8760	0
1155	28.09.2024	Jetty CTMS Propylene-(L)	Vapour Elminator Vent Point-4	Flange	0.1	1	100	0.000001	8760	0.0080021
1156	28.09.2024	Jetty CTMS Propylene-(L)	Vapour Elminator Vent Point-5	Flange	0.1	1	100	0.000001	8760	0.0080021
1157	28.09.2024	Jetty CTMS Propylene-(L)	Vapour Elminator Vent Point-6	Flange	0	1	100	0.000000	8760	0
1158	28.09.2024	Jetty CTMS Propylene-(L)	Vapour Elminator Vent Point-7	Flange	0	1	100	0.000000	8760	0
1159	28.09.2024	Jetty CTMS Propylene-(L)	Vapour Elminator Vent Point-8	Flange	0	1	100	0.000000	8760	0
1160	28.09.2024	Jetty CTMS Propylene-(L)	Vapour Elminator Vent Point-9	Flange	0	1	100	0.000000	8760	0
1161	28.09.2024	Jetty CTMS Propylene-(L)	Vapour Elminator Vent Point-10	Flange	0	1	100	0.000000	8760	0
1162	28.09.2024	Jetty CTMS Propylene-(L)	Vapour Elminator Vent Point-11	Flange	0	1	100	0.000000	8760	0
1163	28.09.2024	Jetty CTMS Propylene-(L)	Vapour Elminator Vent Point-12	Flange	0	1	100	0.000000	8760	0
1164	28.09.2024	Jetty CTMS Propylene-(L)	Vapour Elminator HOV -1 Up Stream	Flange	0	1	100	0.000000	8760	0
1165	28.09.2024	Jetty CTMS Propylene-(L)	Vapour Elminator HOV -1 down Stream	Flange	0	1	100	0.000000	8760	0
1166	28.09.2024	Jetty CTMS Propylene-(L)	CTMS U/S Ringspacer	Flange	0.1	1	100	0.000001	8760	0.0080021
1167	28.09.2024	Jetty CTMS Propylene-(L)	First Loop Pump U/S HOV Up Stream	Flange	0.2	1	100	0.000001	8760	0.0130265
1168	28.09.2024	Jetty CTMS Propylene-(L)	First Loop Pump U/S HOV Down Stream	Flange	0.6	1	100	0.000003	8760	0.0281998
1169	28.09.2024	Jetty CTMS Propylene-(L)	First Loop Pump U/S Drain Point HOV Up Stream	Flange	0.6	1	100	0.000003	8760	0.0281998
1170	28.09.2024	Jetty CTMS Propylene-(L)	First Loop Pump U/S Drain Point HOV Down Stream	Flange	0.6	1	100	0.000003	8760	0.0281998
1171	28.09.2024	Jetty CTMS Propylene-(L)	First Loop Pump Up Stream	Flange	0.6	1	100	0.000003	8760	0.0281998
1172	28.09.2024	Jetty CTMS Propylene-(L)	First Loop Pump Down Stream	Flange	0.2	1	100	0.000001	8760	0.0130265

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S.NO	Date	Unit	Component ID & Location	Type	SCREENING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
1173	28.09.2024	Jetty CTMS Propylene-(L)	Flowmeter Up Stream	Flange	0.4	1	100	0.000002	8760	0.0212057
1174	28.09.2024	Jetty CTMS Propylene-(L)	Flowmeter Down Stream	Flange	0.4	1	100	0.000002	8760	0.0212057
1175	28.09.2024	Jetty CTMS Propylene-(L)	First Loop Pump Discharge PT HOV Up Stream	Flange	0.2	1	100	0.000001	8760	0.0130265
1176	28.09.2024	Jetty CTMS Propylene-(L)	First Loop Pump Discharge PT HOV Down Stream	Flange	0.2	1	100	0.000001	8760	0.0130265
1177	28.09.2024	Jetty CTMS Propylene-(L)	First Loop Pump Discharge TT HOV	Flange	0.1	1	100	0.000001	8760	0.0080021
1178	28.09.2024	Jetty CTMS Propylene-(L)	First Loop Pump D/S Drain Point HOV Up Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
1179	28.09.2024	Jetty CTMS Propylene-(L)	First Loop Pump D/S Drain Point HOV Down Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
1180	28.09.2024	Jetty CTMS Propylene-(L)	Densitometer - 1 Up Stream	Flange	0.2	1	100	0.000001	8760	0.0130265
1181	28.09.2024	Jetty CTMS Propylene-(L)	Densitometer - 1 Down Stream	Flange	0.2	1	100	0.000001	8760	0.0130265
1182	28.09.2024	Jetty CTMS Propylene-(L)	Densitometer - 2 Up Stream	Flange	0.2	1	100	0.000001	8760	0.0130265
1183	28.09.2024	Jetty CTMS Propylene-(L)	Densitometer - 2 Down Stream	Flange	0.2	1	100	0.000001	8760	0.0130265
1184	28.09.2024	Jetty CTMS Propylene-(L)	Densitometer U/S HOV - 1 Up Stream	Flange	0.6	1	100	0.000003	8760	0.0281998
1185	28.09.2024	Jetty CTMS Propylene-(L)	Densitometer U/S HOV - 1 Down Stream	Flange	1.2	1	100	0.000005	8760	0.045906
1186	28.09.2024	Jetty CTMS Propylene-(L)	Densitometer U/S HOV - 2 Up Stream	Flange	1.6	1	100	0.000006	8760	0.0561955
1187	28.09.2024	Jetty CTMS Propylene-(L)	Densitometer U/S HOV - 2 Down Stream	Flange	1.4	1	100	0.000006	8760	0.0511603
1188	28.09.2024	Jetty CTMS Propylene-(L)	Densitometer D/S HOV - 1 Up Stream	Flange	0.2	1	100	0.000001	8760	0.0130265
1189	28.09.2024	Jetty CTMS Propylene-(L)	Densitometer D/S HOV - 1 Down Stream	Flange	0.2	1	100	0.000001	8760	0.0130265
1190	28.09.2024	Jetty CTMS Propylene-(L)	Densitometer D/S HOV - 2 Up Stream	Flange	0.4	1	100	0.000002	8760	0.0212057
1191	28.09.2024	Jetty CTMS Propylene-(L)	Densitometer D/S HOV - 2 Down Stream	Flange	1.4	1	100	0.000006	8760	0.0511603
1192	28.09.2024	Jetty CTMS Propylene-(L)	Densitometer D/S HPV	Flange	1.4	1	100	0.000006	8760	0.0511603
1193	28.09.2024	Jetty CTMS Propylene-(L)	Sampler HOV - 1 Up Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
1194	28.09.2024	Jetty CTMS Propylene-(L)	Sampler HOV - 1 Down Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
1195	28.09.2024	Jetty CTMS Propylene-(L)	Sampler HOV - 2 Up Stream	Flange	0.6	1	100	0.000003	8760	0.0281998
1196	28.09.2024	Jetty CTMS Propylene-(L)	Sampler HOV - 2 Down Stream	Flange	0.6	1	100	0.000003	8760	0.0281998

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1197	28.09.2024	Jetty CTMS Propylene-(L)	Globe Valve Up Stream	Flange	0.4	1	100	0.000002	8760	0.0212057
1198	28.09.2024	Jetty CTMS Propylene-(L)	Globe Valve Down Stream	Flange	0.3	1	100	0.000002	8760	0.0173229
1199	28.09.2024	Jetty CTMS Propylene-(L)	Firest Loop Pump D/S HOV Up Stream	Flange	0.2	1	100	0.000001	8760	0.0130265
1200	28.09.2024	Jetty CTMS Propylene-(L)	Firest Loop Pump D/S HOV Down Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
1201	28.09.2024	Jetty CTMS Propylene-(L)	Header Drain HOV - 1 Up Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
1202	28.09.2024	Jetty CTMS Propylene-(L)	Header Drain HOV - 1 Down Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
1203	28.09.2024	Jetty CTMS Propylene-(L)	Header Drain HOV - 2 Up Stream	Flange	0.6	1	100	0.000003	8760	0.0281998
1204	28.09.2024	Jetty CTMS Propylene-(L)	Header Drain HOV - 2 Down Stream	Flange	0.4	1	100	0.000002	8760	0.0212057
1205	28.09.2024	Jetty CTMS Propylene-(L)	Stream 1 HOV - 1 Up Stream	Flange	2.6	1	100	0.000009	8760	0.0790554
1206	28.09.2024	Jetty CTMS Propylene-(L)	Stream 1 HOV - 1 Down Stream	Flange	2.4	1	100	0.000009	8760	0.0747298
1207	28.09.2024	Jetty CTMS Propylene-(L)	Stream 1 HOV - 2 Up Stream	Flange	2.4	1	100	0.000009	8760	0.0747298
1208	28.09.2024	Jetty CTMS Propylene-(L)	Stream 1 HOV - 2 Down Stream	Flange	1.6	1	100	0.000006	8760	0.0561955
1209	28.09.2024	Jetty CTMS Propylene-(L)	Stream 1 HOV - 3 Up Stream	Flange	1.4	1	100	0.000006	8760	0.0511603
1210	28.09.2024	Jetty CTMS Propylene-(L)	Stream 1 HOV - 3 Down Stream	Flange	2.1	1	100	0.000008	8760	0.0680339
1211	28.09.2024	Jetty CTMS Propylene-(L)	Stream 2 HOV - 1 Up Stream	Flange	2.4	1	100	0.000009	8760	0.0747298
1212	28.09.2024	Jetty CTMS Propylene-(L)	Stream 2 HOV - 1 Down Stream	Flange	3.2	1	100	0.000010	8760	0.0914799
1213	28.09.2024	Jetty CTMS Propylene-(L)	Stream 2 HOV - 2 Up Stream	Flange	0.9	1	100	0.000004	8760	0.0375005
1214	28.09.2024	Jetty CTMS Propylene-(L)	Stream 2 HOV - 2 Down Stream	Flange	0.6	1	100	0.000003	8760	0.0281998
1215	28.09.2024	Jetty CTMS Propylene-(L)	Stream 2 HOV - 3 Up Stream	Flange	1.1	1	100	0.000005	8760	0.0431821
1216	28.09.2024	Jetty CTMS Propylene-(L)	Stream 2 HOV - 3 Down Stream	Flange	0.9	1	100	0.000004	8760	0.0375005
1217	28.09.2024	Jetty CTMS Propylene-(L)	Stream 3 HOV - 1 Up Stream	Flange	0.9	1	100	0.000004	8760	0.0375005
1218	28.09.2024	Jetty CTMS Propylene-(L)	Stream 3 HOV - 1 Down Stream	Flange	0.8	1	100	0.000004	8760	0.0345205
1219	28.09.2024	Jetty CTMS Propylene-(L)	Stream 3 HOV - 2 Up Stream	Flange	0.2	1	100	0.000001	8760	0.0130265
1220	28.09.2024	Jetty CTMS Propylene-(L)	Stream 3 HOV - 2 Down Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
1221	28.09.2024	Jetty CTMS Propylene-(L)	Stream 3 HOV - 3 Up Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
1222	28.09.2024	Jetty CTMS Propylene-(L)	Stream 3 HOV - 3 Down Stream	Flange	0	1	100	0.000000	8760	0

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S.NO	Date	Unit	Component ID & Location	Type	SCREENING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
1223	28.09.2024	Jetty CTMS Propylene-(L)	Stream 4 HOV - 1 Up Stream	Flange	0	1	100	0.000000	8760	0
1224	28.09.2024	Jetty CTMS Propylene-(L)	Stream 4 HOV - 1 Down Stream	Flange	0	1	100	0.000000	8760	0
1225	28.09.2024	Jetty CTMS Propylene-(L)	Stream 4 HOV - 2 Up Stream	Flange	0	1	100	0.000000	8760	0
1226	28.09.2024	Jetty CTMS Propylene-(L)	Stream 4 HOV - 2 Down Stream	Flange	0	1	100	0.000000	8760	0
1227	28.09.2024	Jetty CTMS Propylene-(L)	Stream 4 HOV - 3 Up Stream	Flange	0	1	100	0.000000	8760	0
1228	28.09.2024	Jetty CTMS Propylene-(L)	Stream 4 HOV - 3 Down Stream	Flange	0	1	100	0.000000	8760	0
1229	28.09.2024	Jetty CTMS Propylene-(L)	Basket Filter- 1 Up Stream	Flange	0	1	100	0.000000	8760	0
1230	28.09.2024	Jetty CTMS Propylene-(L)	Basket Filter - 1 Down Stream	Flange	0	1	100	0.000000	8760	0
1231	28.09.2024	Jetty CTMS Propylene-(L)	Basket Filter - 2 Up Stream	Flange	0	1	100	0.000000	8760	0
1232	28.09.2024	Jetty CTMS Propylene-(L)	Basket Filter - 2 Down Stream	Flange	0	1	100	0.000000	8760	0
1233	28.09.2024	Jetty CTMS Propylene-(L)	Basket Filter - 3 Up Stream	Flange	0	1	100	0.000000	8760	0
1234	28.09.2024	Jetty CTMS Propylene-(L)	Basket Filter - 3 Down Stream	Flange	0	1	100	0.000000	8760	0
1235	28.09.2024	Jetty CTMS Propylene-(L)	Basket Filter - 4 Up Stream	Flange	0	1	100	0.000000	8760	0
1236	28.09.2024	Jetty CTMS Propylene-(L)	Basket Filter - 4 Down Stream	Flange	0	1	100	0.000000	8760	0
1237	28.09.2024	Jetty CTMS Propylene-(L)	Basket Filter Drain HOV - 1 Up Stream	Flange	2.4	1	100	0.000009	8760	0.0747298
1238	28.09.2024	Jetty CTMS Propylene-(L)	Basket Filter Drain HOV - 1 Down Stream	Flange	3.6	1	100	0.000011	8760	0.099377
1239	28.09.2024	Jetty CTMS Propylene-(L)	Basket Filter Drain HOV - 2 Up Stream	Flange	8.6	1	100	0.000021	8760	0.1832979
1240	28.09.2024	Jetty CTMS Propylene-(L)	Basket Filter Drain HOV - 2 Down Stream	Flange	8.4	1	100	0.000021	8760	0.1802907
1241	28.09.2024	Jetty CTMS Propylene-(L)	Basket Filter Drain HOV - 3 Up Stream	Flange	11.6	1	100	0.000026	8760	0.2262137
1242	28.09.2024	Jetty CTMS Propylene-(L)	Basket Filter Drain HOV - 3 Down Stream	Flange	11.2	1	100	0.000025	8760	0.2207015
1243	28.09.2024	Jetty CTMS Propylene-(L)	Basket Filter Drain HOV - 4 Up Stream	Flange	46.4	1	100	0.000068	8760	0.5994696
1244	28.09.2024	Jetty CTMS Propylene-(L)	Basket Filter Drain HOV - 4 Down Stream	Flange	8.2	1	100	0.000020	8760	0.1772622
1245	28.09.2024	Jetty CTMS Propylene-(L)	Basket Filter Drain HOV - 5 Up Stream	Flange	4.6	1	100	0.000013	8760	0.1180657
1246	28.09.2024	Jetty CTMS Propylene-(L)	Basket Filter Drain HOV - 5 Down Stream	Flange	0.9	1	100	0.000004	8760	0.0375005
1247	28.09.2024	Jetty CTMS Propylene-(L)	Basket Filter Drain HOV - 6 Up Stream	Flange	0.8	1	100	0.000004	8760	0.0345205

LDAR points SOJ

S.NO	Date	Unit	Component ID & Location	Type	SCREENING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
1248	28.09.2024	Jetty CTMS Propylene-(L)	Basket Filter Drain HOV - 6 Down Stream	Flange	1.6	1	100	0.000006	8760	0.0561955
1249	28.09.2024	Jetty CTMS Propylene-(L)	Basket Filter Drain HOV - 7 Up Stream	Flange	1.2	1	100	0.000005	8760	0.045906
1250	28.09.2024	Jetty CTMS Propylene-(L)	Basket Filter Drain HOV - 7 Down Stream	Flange	0.9	1	100	0.000004	8760	0.0375005
1251	28.09.2024	Jetty CTMS Propylene-(L)	Basket Filter Drain HOV - 8 Up Stream	Flange	0.2	1	100	0.000001	8760	0.0130265
1252	28.09.2024	Jetty CTMS Propylene-(L)	Basket Filter Drain HOV - 8 Down Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
1253	28.09.2024	Jetty CTMS Propylene-(L)	Stream 1 MOV - 1 Up Stream	Flange	2.6	1	100	0.000009	8760	0.0790554
1254	28.09.2024	Jetty CTMS Propylene-(L)	Stream 1 MOV - 1 Down Stream	Flange	68.4	1	100	0.000090	8760	0.787498
1255	28.09.2024	Jetty CTMS Propylene-(L)	Stream 2 MOV - 1 Up Stream	Flange	61.9	1	100	0.000084	8760	0.7341141
1256	28.09.2024	Jetty CTMS Propylene-(L)	Stream 2 MOV - 1 Down Stream	Flange	28.2	1	100	0.000048	8760	0.4224061
1257	28.09.2024	Jetty CTMS Propylene-(L)	Stream 2 MOV - 2 Up Stream	Flange	35.4	1	100	0.000057	8760	0.4956263
1258	28.09.2024	Jetty CTMS Propylene-(L)	Stream 2 MOV - 2 Down Stream	Flange	6.2	1	100	0.000017	8760	0.1456319
1259	28.09.2024	Jetty CTMS Propylene-(L)	Stream 3 MOV - 1 Up Stream	Flange	10.9	1	100	0.000025	8760	0.2165289
1260	28.09.2024	Jetty CTMS Propylene-(L)	Stream 3 MOV - 1 Down Stream	Flange	10.2	1	100	0.000024	8760	0.2066574
1261	28.09.2024	Jetty CTMS Propylene-(L)	Stream 3 MOV - 2 Up Stream	Flange	42.1	1	100	0.000064	8760	0.5598547
1262	28.09.2024	Jetty CTMS Propylene-(L)	Stream 3 MOV - 2 Down Stream	Flange	9.3	1	100	0.000022	8760	0.1936638
1263	28.09.2024	Jetty CTMS Propylene-(L)	Stream 4 MOV - 1 Up Stream	Flange	585	1	100	0.000406	8760	3.5605378
1264	28.09.2024	Jetty CTMS Propylene-(L)	Stream 4 MOV - 1 Down Stream	Flange	62.1	1	100	0.000084	8760	0.7357808
1265	28.09.2024	Jetty CTMS Propylene-(L)	Stream 4 MOV - 2 Up Stream	Flange	8.6	1	100	0.000021	8760	0.1832979
1266	28.09.2024	Jetty CTMS Propylene-(L)	Stream 4 MOV - 2 Down Stream	Flange	18.2	1	100	0.000035	8760	0.3104811
1267	28.09.2024	Jetty CTMS Propylene-(L)	Stream 1 FCV - 1 Up Stream	Flange	6.4	1	100	0.000017	8760	0.1489188
1268	28.09.2024	Jetty CTMS Propylene-(L)	Stream 1 FCV - 1 Down Stream	Flange	6.1	1	100	0.000016	8760	0.1439766
1269	28.09.2024	Jetty CTMS Propylene-(L)	Stream 2 FCV - 1 Up Stream	Flange	5.8	1	100	0.000016	8760	0.1389616
1270	28.09.2024	Jetty CTMS Propylene-(L)	Stream 2 FCV - 1 Down Stream	Flange	4.2	1	100	0.000013	8760	0.1107514
1271	28.09.2024	Jetty CTMS Propylene-(L)	Stream 2 FCV - 2 Up Stream	Flange	6.1	1	100	0.000016	8760	0.1439766
1272	28.09.2024	Jetty CTMS Propylene-(L)	Stream 2 FCV - 2 Down Stream	Flange	7.8	1	100	0.000020	8760	0.1711384

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S.NO	Date	Unit	Component ID & Location	Type	SCREENING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
1273	28.09.2024	Jetty CTMS Propylene-(L)	Stream 3 FCV - 1 Up Stream	Flange	4.2	1	100	0.000013	8760	0.1107514
1274	28.09.2024	Jetty CTMS Propylene-(L)	Stream 3 FCV - 1 Down Stream	Flange	3.9	1	100	0.000012	8760	0.1051292
1275	28.09.2024	Jetty CTMS Propylene-(L)	Stream 3 FCV - 2 Up Stream	Flange	1.1	1	100	0.000005	8760	0.0431821
1276	28.09.2024	Jetty CTMS Propylene-(L)	Stream 3 FCV - 2 Down Stream	Flange	0.9	1	100	0.000004	8760	0.0375005
1277	28.09.2024	Jetty CTMS Propylene-(L)	Stream 4 FCV - 1 Up Stream	Flange	6.8	1	100	0.000018	8760	0.1554028
1278	28.09.2024	Jetty CTMS Propylene-(L)	Stream 4 FCV - 1 Down Stream	Flange	9.1	1	100	0.000022	8760	0.1907265
1279	28.09.2024	Jetty CTMS Propylene-(L)	Stream 4 FCV - 2 Up Stream	Flange	7.2	1	100	0.000018	8760	0.1617744
1280	28.09.2024	Jetty CTMS Propylene-(L)	Stream 4 FCV - 2 Down Stream	Flange	0.9	1	100	0.000004	8760	0.0375005
1281	28.09.2024	Jetty CTMS Propylene-(L)	DGP HOV - 1 Up Stream	Flange	11.1	1	100	0.000025	8760	0.2193144
1282	28.09.2024	Jetty CTMS Propylene-(L)	DGP HOV - 1 Down Stream	Flange	6.4	1	100	0.000017	8760	0.1489188
1283	28.09.2024	Jetty CTMS Propylene-(L)	DGP HOV - 2 Up Stream	Flange	5.9	1	100	0.000016	8760	0.1406417
1284	28.09.2024	Jetty CTMS Propylene-(L)	DGP HOV - 2 Down Stream	Flange	4.7	1	100	0.000014	8760	0.1198643
1285	28.09.2024	Jetty CTMS Propylene-(L)	DGP HOV - 3 Up Stream	Flange	3.9	1	100	0.000012	8760	0.1051292
1286	28.09.2024	Jetty CTMS Propylene-(L)	DGP HOV - 3 Down Stream	Flange	3.2	1	100	0.000010	8760	0.0914799
1287	28.09.2024	Jetty CTMS Propylene-(L)	DGP HOV - 4 Up Stream	Flange	4.6	1	100	0.000013	8760	0.1180657
1288	28.09.2024	Jetty CTMS Propylene-(L)	DGP HOV - 4 Down Stream	Flange	0.9	1	100	0.000004	8760	0.0375005
1289	28.09.2024	Jetty CTMS Propylene-(L)	DGP HOV - 5 Up Stream	Flange	0.9	1	100	0.000004	8760	0.0375005
1290	28.09.2024	Jetty CTMS Propylene-(L)	DGP HOV - 5 Down Stream	Flange	0.2	1	100	0.000001	8760	0.0130265
1291	28.09.2024	Jetty CTMS Propylene-(L)	DGP HOV - 6 Up Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
1292	28.09.2024	Jetty CTMS Propylene-(L)	DGP HOV - 6 Down Stream	Flange	0.2	1	100	0.000001	8760	0.0130265
1293	28.09.2024	Jetty CTMS Propylene-(L)	DGP HOV - 7 Up Stream	Flange	1.2	1	100	0.000005	8760	0.045906
1294	28.09.2024	Jetty CTMS Propylene-(L)	DGP HOV - 7 Down Stream	Flange	1.6	1	100	0.000006	8760	0.0561955
1295	28.09.2024	Jetty CTMS Propylene-(L)	DGP HOV - 8 Up Stream	Flange	2.1	1	100	0.000008	8760	0.0680339
1296	28.09.2024	Jetty CTMS Propylene-(L)	DGP HOV - 8 Down Stream	Flange	3.2	1	100	0.000010	8760	0.0914799
1297	28.09.2024	Jetty CTMS Propylene-(L)	PSV - 1 Up Stream	Flange	3.1	1	100	0.000010	8760	0.0894607
1298	28.09.2024	Jetty CTMS Propylene-(L)	PSV - 1 Down Stream	Flange	6.5	1	100	0.000017	8760	0.1505508
1299	28.09.2024	Jetty CTMS Propylene-(L)	PSV - 2 Up Stream	Flange	6.9	1	100	0.000018	8760	0.1570059

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S.NO	Date	Unit	Component ID & Location	Type	SCREENING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
1300	28.09.2024	Jetty CTMS Propylene-(L)	PSV - 2 Down Stream	Flange	7.3	1	100	0.000019	8760	0.1633507
1301	28.09.2024	Jetty CTMS Propylene-(L)	PSV - 3 Up Stream	Flange	7.1	1	100	0.000018	8760	0.1601916
1302	28.09.2024	Jetty CTMS Propylene-(L)	PSV - 3 Down Stream	Flange	7.3	1	100	0.000019	8760	0.1633507
1303	28.09.2024	Jetty CTMS Propylene-(L)	PSV - 4 Up Stream	Flange	1.9	1	100	0.000007	8760	0.0634116
1304	28.09.2024	Jetty CTMS Propylene-(L)	PSV - 4 Down Stream	Flange	1.6	1	100	0.000006	8760	0.0561955
1305	28.09.2024	Jetty CTMS Propylene-(L)	PSV U/S HOV - 1 Up Stream	Flange	0.9	1	100	0.000004	8760	0.0375005
1306	28.09.2024	Jetty CTMS Propylene-(L)	PSV U/S HOV - 1 Down Stream	Flange	0.8	1	100	0.000004	8760	0.0345205
1307	28.09.2024	Jetty CTMS Propylene-(L)	PSV U/S HOV - 2 Up Stream	Flange	0.7	1	100	0.000004	8760	0.0314274
1308	28.09.2024	Jetty CTMS Propylene-(L)	PSV U/S HOV - 2 Down Stream	Flange	0.8	1	100	0.000004	8760	0.0345205
1309	28.09.2024	Jetty CTMS Propylene-(L)	PSV U/S HOV - 3 Up Stream	Flange	46.1	1	100	0.000068	8760	0.5967422
1310	28.09.2024	Jetty CTMS Propylene-(L)	PSV U/S HOV - 3 Down Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
1311	28.09.2024	Jetty CTMS Propylene-(L)	PSV U/S HOV - 4 Up Stream	Flange	0.6	1	100	0.000003	8760	0.0281998
1312	28.09.2024	Jetty CTMS Propylene-(L)	PSV U/S HOV - 4 Down Stream	Flange	0.4	1	100	0.000002	8760	0.0212057
1313	28.09.2024	Jetty CTMS Propylene-(L)	PSV D/S HOV - 1 Up Stream	Flange	0.4	1	100	0.000002	8760	0.0212057
1314	28.09.2024	Jetty CTMS Propylene-(L)	PSV D/S HOV - 1 Down Stream	Flange	0.2	1	100	0.000001	8760	0.0130265
1315	28.09.2024	Jetty CTMS Propylene-(L)	PSV D/S HOV - 2 Up Stream	Flange	0.2	1	100	0.000001	8760	0.0130265
1316	28.09.2024	Jetty CTMS Propylene-(L)	PSV D/S HOV - 2 Down Stream	Flange	1.2	1	100	0.000005	8760	0.045906
1317	28.09.2024	Jetty CTMS Propylene-(L)	PSV D/S HOV - 3 Up Stream	Flange	1.6	1	100	0.000006	8760	0.0561955
1318	28.09.2024	Jetty CTMS Propylene-(L)	PSV D/S HOV - 3 Down Stream	Flange	6.8	1	100	0.000018	8760	0.1554028
1319	28.09.2024	Jetty CTMS Propylene-(L)	PSV D/S HOV - 4 Up Stream	Flange	4.2	1	100	0.000013	8760	0.1107514
1320	28.09.2024	Jetty CTMS Propylene-(L)	PSV D/S HOV - 4 Down Stream	Flange	4.1	1	100	0.000012	8760	0.108891
1321	28.09.2024	Jetty CTMS Propylene-(L)	Stream 1 Flowmeter - 1	Flange	0	1	100	0.000000	8760	0
1322	28.09.2024	Jetty CTMS Propylene-(L)	Stream 1 Flowmeter - 2	Flange	0	1	100	0.000000	8760	0
1323	28.09.2024	Jetty CTMS Propylene-(L)	Stream 1 Flowmeter - 3	Flange	0	1	100	0.000000	8760	0
1324	28.09.2024	Jetty CTMS Propylene-(L)	Stream 1 Flowmeter - 4	Flange	0	1	100	0.000000	8760	0
1325	28.09.2024	Jetty CTMS Propylene-(L)	Stream 1 Flowmeter - 5	Flange	0	1	100	0.000000	8760	0
1326	28.09.2024	Jetty CTMS Propylene-(L)	Stream 1 Flowmeter - 6	Flange	1.1	1	100	0.000005	8760	0.0431821

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S.NO	Date	Unit	Component ID & Location	Type	SCREENING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
1327	28.09.2024	Jetty CTMS Propylene-(L)	Stream 1 Flowmeter - 7	Flange	0.9	1	100	0.000004	8760	0.0375005
1328	28.09.2024	Jetty CTMS Propylene-(L)	Stream 1 Flowmeter - 8	Flange	0.8	1	100	0.000004	8760	0.0345205
1329	28.09.2024	Jetty CTMS Propylene-(L)	Stream 1 Flowmeter - 9	Flange	0.6	1	100	0.000003	8760	0.0281998
1330	28.09.2024	Jetty CTMS Propylene-(L)	Stream 1 Flowmeter - 10	Flange	0.2	1	100	0.000001	8760	0.0130265
1331	28.09.2024	Jetty CTMS Propylene-(L)	Stream 2 Flowmeter - 1	Flange	10.4	1	100	0.000024	8760	0.2094978
1332	28.09.2024	Jetty CTMS Propylene-(L)	Stream 2 Flowmeter - 2	Flange	10.2	1	100	0.000024	8760	0.2066574
1333	28.09.2024	Jetty CTMS Propylene-(L)	Stream 2 Flowmeter - 3	Flange	0.9	1	100	0.000004	8760	0.0375005
1334	28.09.2024	Jetty CTMS Propylene-(L)	Stream 2 Flowmeter - 4	Flange	0.4	1	100	0.000002	8760	0.0212057
1335	28.09.2024	Jetty CTMS Propylene-(L)	Stream 2 Flowmeter - 5	Flange	0.4	1	100	0.000002	8760	0.0212057
1336	28.09.2024	Jetty CTMS Propylene-(L)	Stream 2 Flowmeter - 6	Flange	0.2	1	100	0.000001	8760	0.0130265
1337	28.09.2024	Jetty CTMS Propylene-(L)	Stream 2 Flowmeter - 7	Flange	0	1	100	0.000000	8760	0
1338	28.09.2024	Jetty CTMS Propylene-(L)	Stream 2 Flowmeter - 8	Flange	10.4	1	100	0.000024	8760	0.2094978
1339	28.09.2024	Jetty CTMS Propylene-(L)	Stream 2 Flowmeter - 9	Flange	10.1	1	100	0.000023	8760	0.205231
1340	28.09.2024	Jetty CTMS Propylene-(L)	Stream 2 Flowmeter - 10	Flange	0.9	1	100	0.000004	8760	0.0375005
1341	28.09.2024	Jetty CTMS Propylene-(L)	Stream 3 Flowmeter - 1	Flange	0.6	1	100	0.000003	8760	0.0281998
1342	28.09.2024	Jetty CTMS Propylene-(L)	Stream 3 Flowmeter - 2	Flange	10.2	1	100	0.000024	8760	0.2066574
1343	28.09.2024	Jetty CTMS Propylene-(L)	Stream 3 Flowmeter - 3	Flange	9.6	1	100	0.000023	8760	0.1980349
1344	28.09.2024	Jetty CTMS Propylene-(L)	Stream 3 Flowmeter - 4	Flange	0	1	100	0.000000	8760	0
1345	28.09.2024	Jetty CTMS Propylene-(L)	Stream 3 Flowmeter - 5	Flange	0	1	100	0.000000	8760	0
1346	28.09.2024	Jetty CTMS Propylene-(L)	Stream 3 Flowmeter - 6	Flange	0	1	100	0.000000	8760	0
1347	28.09.2024	Jetty CTMS Propylene-(L)	Stream 3 Flowmeter - 7	Flange	0	1	100	0.000000	8760	0
1348	28.09.2024	Jetty CTMS Propylene-(L)	Stream 3 Flowmeter - 8	Flange	0	1	100	0.000000	8760	0
1349	28.09.2024	Jetty CTMS Propylene-(L)	Stream 3 Flowmeter - 9	Flange	0	1	100	0.000000	8760	0
1350	28.09.2024	Jetty CTMS Propylene-(L)	Stream 3 Flowmeter - 10	Flange	0	1	100	0.000000	8760	0
1351	28.09.2024	Jetty CTMS Propylene-(L)	Stream 4 Flowmeter - 1	Flange	0	1	100	0.000000	8760	0
1352	28.09.2024	Jetty CTMS Propylene-(L)	Stream 4 Flowmeter - 2	Flange	0	1	100	0.000000	8760	0
1353	28.09.2024	Jetty CTMS Propylene-(L)	Stream 4 Flowmeter - 3	Flange	0	1	100	0.000000	8760	0

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S.NO	Date	Unit	Component ID & Location	Type	SCREENING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
1354	28.09.2024	Jetty CTMS Propylene-(L)	Stream 4 Flowmeter - 4	Flange	0	1	100	0.000000	8760	0
1355	28.09.2024	Jetty CTMS Propylene-(L)	Stream 4 Flowmeter - 5	Flange	0	1	100	0.000000	8760	0
1356	28.09.2024	Jetty CTMS Propylene-(L)	Stream 4 Flowmeter - 6	Flange	0.1	1	100	0.000001	8760	0.0080021
1357	28.09.2024	Jetty CTMS Propylene-(L)	Stream 4 Flowmeter - 7	Flange	0.1	1	100	0.000001	8760	0.0080021
1358	28.09.2024	Jetty CTMS Propylene-(L)	Stream 4 Flowmeter - 8	Flange	0.1	1	100	0.000001	8760	0.0080021
1359	28.09.2024	Jetty CTMS Propylene-(L)	Stream 4 Flowmeter - 9	Flange	0.1	1	100	0.000001	8760	0.0080021
1360	28.09.2024	Jetty CTMS Propylene-(L)	Stream 4 Flowmeter - 10	Flange	0.1	1	100	0.000001	8760	0.0080021
1361	28.09.2024	Jetty CTMS Propylene-(L)	CTMS U/S Ringspacer	Flange	0.1	1	100	0.000001	8760	0.0080021
1362	28.09.2024	Jetty CTMS Propylene-(L)	PCV U/S HOV Up Stream	Flange	0.2	1	100	0.000001	8760	0.0130265
1363	28.09.2024	Jetty CTMS Propylene-(L)	PCV U/S HOV Down Stream	Flange	0.4	1	100	0.000002	8760	0.0212057
1364	28.09.2024	Jetty CTMS Propylene-(L)	PCV D/S HOV Up Stream	Flange	0.6	1	100	0.000003	8760	0.0281998
1365	28.09.2024	Jetty CTMS Propylene-(L)	PCV D/S HOV Down Stream	Flange	0.2	1	100	0.000001	8760	0.0130265
1366	28.09.2024	Jetty CTMS Propylene-(L)	PCV Up Stream	Flange	1.1	1	100	0.000005	8760	0.0431821
1367	28.09.2024	Jetty CTMS Propylene-(L)	PCV Down Stream	Flange	1.9	1	100	0.000007	8760	0.0634116
1368	28.09.2024	Jetty CTMS Propylene-(L)	PCV U/S LPD	Flange	3.2	1	100	0.000010	8760	0.0914799
1369	28.09.2024	Jetty CTMS Propylene-(L)	PCV D/S LPD	Flange	2.9	1	100	0.000010	8760	0.0853632
1370	28.09.2024	Jetty CTMS Propylene-(L)	PCV U/S PT	Flange	4.1	1	100	0.000012	8760	0.108891
1371	28.09.2024	Jetty CTMS Propylene-(L)	PCV D/S PT	Flange	6.1	1	100	0.000016	8760	0.1439766
1372	28.09.2024	Jetty CTMS Propylene-(L)	PCV D/S PSV	Flange	2.6	1	100	0.000009	8760	0.0790554
1373	28.09.2024	Jetty CTMS Propylene-(L)	PSV U/S & D/S HOV - 1 Up Stream	Flange	5.4	1	100	0.000015	8760	0.1321532
1374	28.09.2024	Jetty CTMS Propylene-(L)	PSV U/S & D/S HOV - 1 Down Stream	Flange	5.9	1	100	0.000016	8760	0.1406417
1375	28.09.2024	Jetty CTMS Propylene-(L)	PSV U/S & D/S HOV - 2 Up Stream	Flange	6.3	1	100	0.000017	8760	0.1472792
1376	28.09.2024	Jetty CTMS Propylene-(L)	PSV U/S & D/S HOV - 2 Down Stream	Flange	11.1	1	100	0.000025	8760	0.2193144
1377	28.09.2024	Jetty CTMS Propylene-(L)	PSV U/S & D/S LPD Up Stream	Flange	0.9	1	100	0.000004	8760	0.0375005
1378	28.09.2024	Jetty CTMS Propylene-(L)	PSV U/S & D/S LPD Down Stream	Flange	10.4	1	100	0.000024	8760	0.2094978
1379	28.09.2024	Jetty CTMS Propylene-(L)	CTMS D/S HPV	Flange	0.9	1	100	0.000004	8760	0.0375005
1380	28.09.2024	Jetty CTMS Propylene-(L)	Prover U/S & D/S Spool Up Stream	Flange	0.3	1	100	0.000002	8760	0.0173229

LDAR points SOJ

S.NO	Date	Unit	Component ID & Location	Type	SCREENING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
1381	28.09.2024	Jetty CTMS Propylene-(L)	Prover U/S & D/S Spool Down Stream	Flange	0.6	1	100	0.000003	8760	0.0281998
1382	28.09.2024	Jetty CTMS Propylene-(L)	Prover Inlet & Outlet MOV -1 Up Stream	Flange	0.6	1	100	0.000003	8760	0.0281998
1383	28.09.2024	Jetty CTMS Propylene-(L)	Prover Inlet & Outlet MOV -1 Down Stream	Flange	10.4	1	100	0.000024	8760	0.2094978
1384	28.09.2024	Jetty CTMS Propylene-(L)	Prover Inlet & Outlet MOV -2 Up Stream	Flange	10.6	1	100	0.000024	8760	0.212322
1385	28.09.2024	Jetty CTMS Propylene-(L)	Prover Inlet & Outlet MOV -2 Down Stream	Flange	0.6	1	100	0.000003	8760	0.0281998
1386	28.09.2024	Jetty CTMS Propylene-(L)	Prover Spool Up Stream	Flange	0.2	1	100	0.000001	8760	0.0130265
1387	28.09.2024	Jetty CTMS Propylene-(L)	Prover Spool Down Stream	Flange	0.2	1	100	0.000001	8760	0.0130265
1388	28.09.2024	Jetty CTMS Propylene-(L)	Prover PT HOV Up Stream	Flange	0.4	1	100	0.000002	8760	0.0212057
1389	28.09.2024	Jetty CTMS Propylene-(L)	Prover PT HOV Down Stream	Flange	0.6	1	100	0.000003	8760	0.0281998
1390	28.09.2024	Jetty CTMS Propylene-(L)	Prover Spare Connection-1 Up Stream	Flange	0.9	1	100	0.000004	8760	0.0375005
1391	28.09.2024	Jetty CTMS Propylene-(L)	Prover Spare Connection-1 Down Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
1392	28.09.2024	Jetty CTMS Propylene-(L)	Prover Spare Connection-2 Up Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
1393	28.09.2024	Jetty CTMS Propylene-(L)	Prover Spare Connection-2 Down Stream	Flange	0.9	1	100	0.000004	8760	0.0375005
1394	28.09.2024	Jetty CTMS Propylene-(L)	Prover PSV	Flange	10.6	1	100	0.000024	8760	0.212322
1395	28.09.2024	Jetty CTMS Propylene-(L)	Prover Vent Hov - 1 Up Stream	Flange	10.2	1	100	0.000024	8760	0.2066574
1396	28.09.2024	Jetty CTMS Propylene-(L)	Prover Vent Hov - 1 Down Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
1397	28.09.2024	Jetty CTMS Propylene-(L)	Prover Vent Hov - 2 Up Stream	Flange	0.9	1	100	0.000004	8760	0.0375005
1398	28.09.2024	Jetty CTMS Propylene-(L)	Prover Vent Hov - 2 Down Stream	Flange	0.6	1	100	0.000003	8760	0.0281998
1399	28.09.2024	Jetty CTMS Propylene-(L)	Prover LPD	Flange	10.2	1	100	0.000024	8760	0.2066574
1400	28.09.2024	Jetty CTMS Propylene-(L)	Prover LPD UP Stream	Flange	10.6	1	100	0.000024	8760	0.212322
1401	28.09.2024	Jetty CTMS Propylene-(L)	Prover LPD Down Stream	Flange	0.1	1	100	0.000001	8760	0.0080021
1402	28.09.2024	Jetty CTMS Propylene-(L)	Drain Hov -1 UP Stream	Flange	0.2	1	100	0.000001	8760	0.0130265
1403	28.09.2024	Jetty CTMS Propylene-(L)	Drain Hov -1 Down Stream	Flange	0.2	1	100	0.000001	8760	0.0130265
1404	28.09.2024	Jetty CTMS Propylene-(L)	Drain Hov -2 UP Stream	Flange	0.6	1	100	0.000003	8760	0.0281998

LDAR points SOJ

S.NO	Date	Unit	Component ID & Location	Type	SCREEING VALUE OF VOC (ppm)	RF	% of VOC FLOW	Kg/Hrs.	Hours Of Operation	Kg/Year
1405	28.09.2024	Jetty CTMS Propylene-(L)	Drain Hov -2 Down Stream	Flange	0.9	1	100	0.000004	8760	0.0375005
1406	28.09.2024	Jetty CTMS Propylene-(L)	Drain Hov -3 UP Stream	Flange	0.9	1	100	0.000004	8760	0.0375005
1407	28.09.2024	Jetty CTMS Propylene-(L)	Drain Hov -3 Down Stream	Flange	0.8	1	100	0.000004	8760	0.0345205
1408	28.09.2024	Jetty CTMS Propylene-(L)	Drain Hov -4 UP Stream	Flange	0.6	1	100	0.000003	8760	0.0281998
1409	28.09.2024	Jetty CTMS Propylene-(L)	Drain Hov -4 Down Stream	Flange	0.7	1	100	0.000004	8760	0.0314274
1410	28.09.2024	Jetty CTMS Propylene-(L)	Drain Hov -5 UP Stream	Flange	0	1	100	0.000000	8760	0
1411	28.09.2024	Jetty CTMS Propylene-(L)	Drain Hov -5 Down Stream	Flange	0	1	100	0.000000	8760	0
1412	28.09.2024	Jetty CTMS Propylene-(L)	Drain Hov -6 UP Stream	Flange	0	1	100	0.000000	8760	0
1413	28.09.2024	Jetty CTMS Propylene-(L)	Drain Hov -6 Down Stream	Flange	0	1	100	0.000000	8760	0
1414	28.09.2024	Jetty CTMS Propylene-(L)	Drain to Vapour Line HOV Up Stream	Flange	0	1	100	0.000000	8760	0
1415	28.09.2024	Jetty CTMS Propylene-(L)	Drain to Vapour Line HOV Down Stream	Flange	0	1	100	0.000000	8760	0
1416	28.09.2024	Jetty CTMS Propylene-(L)	Drain to Vapour Line NRV Up Stream	Flange	0	1	100	0.000000	8760	0
1417	28.09.2024	Jetty CTMS Propylene-(L)	Drain to Vapour Line NRV Down Stream	Flange	0	1	100	0.000000	8760	0

Annexure-8

Treated Effluent Water Quality Report



INDIAN OIL CORPORATION LIMITED

PARADIP REFINERY

QUALITY CONTROL LABORATORY



Source of sample: ETP to Sea Discharge (HCOD) Outlet				Method of collection: IS 3025 P-1						
Sample drawn by: Production				Report No: PDR/QC/MINAS/2024-2025/Q1-Q2						
Date of Sample:				24.04.2024	10.05.2024	11.06.2024	11.07.2024	10.08.2024	12.09.2024	
Sl No	Parameters	Test Method	UoM	Limits : MINAS						
1	pH	APHA 4500 H ⁺ B	...	7.8	7.1	7.7	7.6	7.5	7.3	
2	Oil & Grease	APHA 5520 D	mg/l	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	
3	BOD, 3days @ 27°C	IS 3025 (P-44)	mg/l	7	4	9	9	10	12	
4	COD	APHA 5220 B	mg/l	61	29	79	75	85	96	
5	Total Suspended Solid	APHA 2540 D	mg/l	4.5	<2.5	4.0	5.0	4.0	5.0	
6	Phenols	APHA 5530 B&D	mg/l	0.10	0.08	0.04	0.06	0.07	0.07	
7	Sulphides	APHA 4500 S ²⁻ F	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
8	CN	APHA 4500 CN ⁻ C&D	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
9	Ammonia as N	APHA 4500 NH ₃ B&F	mg/l	5.3	11.7	9.4	12.3	12.2	14.6	
10	TKN	APHA 4500 N org B	mg/l	25.8	22.2	18.6	23.0	29.6	28.8	
11	Phosphorus as P	APHA 4500 P D	mg/l	0.072	0.354	0.192	0.169	<0.005	<0.005	
12	Cr (Hexavalent)	APHA3500 Cr B	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
13	Cr (Total)	APHA3030E & 3111 B	mg/l	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	
14	Pb	APHA3030E & 3111 B	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
15	Hg	APHA3030E & 3112 B/ APHA 3125	mg/l	0.001	0.002	0.003	0.004	0.003	<0.001	
16	Zn	APHA 3030E & 3111 B	mg/l	0.014	0.094	0.041	0.078	0.015	0.004	
17	Ni	APHA 3030E & 3111 B	mg/l	0.003	0.003	0.005	0.006	0.002	0.005	
18	Cu	APHA 3030E & 3111 B	mg/l	0.006	0.009	0.004	0.006	<0.001	0.003	
19	V	APHA3030E & 3111 B&D	mg/l	0.003	0.001	0.003	0.004	0.001	0.001	
20	Benzene	APHA 6200	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
21	Benzo(a)-pyrene	APHA 6440	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	

Note: 1. Customer Information: Indian Oil Corporation Limited, Paradip Refinery, Production/HSE Department.
2. Sample details: Sample submitted by customer and received as such. Information provided with the sample may affect validity of results.
3. The results relate only to the samples submitted/ as received unless otherwise stated.
4. All tests/analyses performed at PDR Quality Control Laboratory as per applicable test methods, unless otherwise stated without any deviations to test method.
5. Customer confidential information shall be maintained as per customer agreement, if any.
6. This report shall not be produced except in full, without the written approval of Quality Control Laboratory, Paradip Refinery.
7. All test methods referred to in this certificate include a precision statement. The interpretation of results based on test method/ precision shall be used whenever applicable.
8. Laboratory Environmental Condition: 23±2 °C and 65 ± 10 %RH.

Dr. RC Sahu (QC/M)

Annexure-9

Ground Water Quality Report



Indian Oil Corporation Limited
Paradip Refinery
Quality Control Laboratory



IndianOil

Source of sample: Ground Water: Secure Landfill (SLF), ETP				Method of collection: IS 3025 P-1				
Sample drawn by: Production/HSE				Report No: PDR/QC/Ground Water/2024-25/Q1-Q2				
Date of Sample:				19.06.2024			11.09.2024	
S. No.	Parameters	Method	UOM	SLF-1	SLF-2	SLF-3	SLF-1	SLF-2
1	pH (at 25°C)	APHA 4500 H ⁺ B	NA	7.1	6.5		7.1	7.0
2	Oil and Grease	APHA 5520 D	mg/L	<4.0	<4.0	<4.0	<4.0	<4.0
3	BOD 3 Days	IS 3025 (P-44)	mg/L	4	4	5	3	4
4	COD	APHA 5220 B	mg/L	30	32	39	26	31
5	Phenol	APHA 5530 B&D	mg/L	<0.001	<0.0001	<0.001	<0.001	<0.001
6	Sulphide	APHA 4500 S ⁻² F	mg/L	<0.1	<0.1	<0.1	<0.1	<0.1
7	Cyanide(CN-)	APHA 4500 CN ⁻ C&D	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001
8	Ammonical Nitrogen	APHA 4500 NH ₃ B&F	mg/L	0.16	0.23	0.06	0.30	0.35
9	Amonia(NH3)		mg/L	0.20	0.30	0.10	0.40	0.40
10	TKN	APHA4500 Norg B	mg/L	0.42	0.57	0.20	0.60	0.70
11	Phosphate	APHA 4500 P D	mg/L	0.109	0.114	0.146	0.082	0.071
12	Cr (VI)	APHA3500 Cr B	mg/L	<0.1	<0.1	<0.1	<0.1	<0.1
13	Chromium (Cr)	APHA3030E & 3111B/ APHA 3125	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001
14	Lead(Pb)		mg/L	<0.001	<0.001	0.001	<0.001	<0.001
15	Mercury(Hg)	APHA3112B/3125	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001
16	Znic(Zn)		mg/L	0.341	0.362	0.215	0.226	0.299
17	Nickel(Ni)	APHA 3030E & 3111B/ APHA 3125	mg/L	0.003	0.002	0.004	0.005	0.004
18	Copper(Cu)		mg/L	0.004	0.005	0.008	0.003	0.004
19	Vanadium(V)		mg/L	0.002	0.003	0.003	0.001	0.001
20	Benzene in Water	APHA 6200	mg/L	<5.0	<5.0	<5.0	<5.0	<5.0
21	Benzo Pyrene	APHA 6440	mg/L	<5.0	<5.0	<5.0	<5.0	<5.0
22	Conductivity (at 25°C)	APHA 2510	µS/cm	1470	1520	1630	1540	1549
23	Total Hardness	APHA 2340	mg/L	92	148	152	147	143
24	Turbidity	APHA 2130	NTU	4.2	1.4	1.6	0.3	1.2
25	Alkalinity	APHA 2310	mg/L	44.7	65.0	69.0	36.0	40.0

TC-7169

- Customer Information: Indian Oil Corporation Limited, Paradip Refinery, Production/HSE Department.
- Sample details: Sample submitted by customer and received as such. Information provided with the sample may affect validity of results.
- The results relate only to the samples submitted/ as received unless otherwise stated.
- All tests/analyses performed at PDR Quality Control Laboratory as per applicable test methods, unless otherwise stated without any deviations to test method.
- Customer confidential information shall be maintained as per customer agreement, if any.
- This report shall not be produced except in full, without the written approval of Quality Control Laboratory, Paradip Refinery.
- All test methods referred to in this certificate include a precision statement. The interpretation of results based on test method/precision shall be used whenever applicable.
- Laboratory Environmental Condition: 23±2 °C and 65 ± 10 %RH.

Dr. RC Sahu (QCM)

Annexure-10

Occupational Health Report

Occupational Health

- a) Number of workers exposed beyond permissible limits of exposure of chemical and toxic substances specified in section 41-E (Second Schedule) of Factories Act 1948.

Unit/Installations with Location	Substance	Permissible limits of exposure as per Second Schedule (section 41-E) of Factories Act 1948		Number of workers exposed beyond permissible limit
		TWA (ppm, mg/m3)	STEL (ppm, mg/m3)	
-	H2S	10	15	NIL
	CO	35	400	NIL

Status of Periodic Medical Examination for workers exposed beyond permissible limits of chemical and toxic substances as mentioned above.

Number of workers for whom periodic medical examination planned during the year	Number of workers for whom periodic medical examination done during the quarter	% Overall Compliance
Units (Target annual)-371	1 st &2 nd qtrs.	82.74%
Production-237	190	
P & U-72	61	
Mech. Maintenance-36	35	
Instrumentation-26	21	

- b) Number of workers exposed to sound levels beyond maximum exposure levels stipulated in the Factory Rules.

Unit/Installation with Location	Maximum exposure level stipulated in the Factory Rule	Number of workers exposed to sound levels beyond maximum exposure levels stipulated in Factory Rules.
Production P & U Mech. Maintenance Instrumentation	TWA-90dbA STEL-115dbA	NIL

- c) Status of Auditory Examination of the workers as identified above.

Number of workers for whom Auditory Examination planned during the year 2024-25 (1 st & 2 nd Quarter)	Number of workers for whom Auditory Examination done during the quarter	% Overall Compliance
P & U Mech. Maintenance	61 35	88.8%

- d) Notified disease as per Section 89 of Factories Act, 1948

Unit/Installation with location	Name of disease as per "Third Schedule" of Factories Act.	Number of workers identified	Date of intimation to the Factory Inspectorate
-	NIL	-	-

Occupational Health Physician

17/1/25
डॉ. अशोक कुमार
Dr. ASHOK KUMAR
मुख्य चिकित्सा अधिकारी
मुख्य चिकित्सा अधिकारी (इंडियन ऑयल)
मुख्य चिकित्सा अधिकारी (Odisha)

Annexure-11

Marine Water Quality Report

Issued To M/s Indian Oil Corporation Limited
Paradip Refinery
PO Jhimani, Via: Kujang, Distt. Jagatsinghpur
Odisha, India

Test Report No.: 202404200110-111
Test Report Date: 07/05/2024

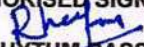
Sample Particulars

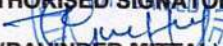
Nature of the Sample & No. of Samples : **Marine Water & Two Nos**
Sample Quantity & Packaging : 5 Litre, Pet Bottle & 500 ml in Glass Bottle
Test Started on : 25/04/2024
Test Completed : 06/05/2024
Method of Sampling : SOP/B/D-3
Date of Sampling : 20/04/2024
Sampling Conducted By : Mr. Praveen Parmanik
Place of Sampling : Final effluent discharge from Refinery (3 Km inside the sea from the LTL) (SW1-Surface)
Final effluent discharge from Refinery (3 Km inside the sea from the LTL) (SW2-Bottom)

Test Report

Sr. No.	Parameter	Unit	Result		Protocol
			SW1-Surface	SW2-Bottom	
1	pH	-	7.59	7.73	IS:3025 (P-11)
2	Temperature	°C	25.2	25.8	IS:3025 (P-9)
3	Total Suspended Solids	mg/L	114	150	IS:3025 (P-17)
4	Sulphide as S	mg/L	0.2	0.8	IS:3025 (P-29)
5	Nitrate as NO ₃	mg/L	9.40	14.5	IS:3025 (P-34)
6	Ammonia as NH ₄	mg/L	1.60	2.89	IS:3025 (P-34)
7	Fluoride as F	mg/L	0.30	0.99	IS:3025 (P-60)
8	Iron as Fe	mg/L	0.60	1.18	APHA 23 rd Ed.
9	Dissolved Oxygen (DO)	mg/L	6.2	4.1	IS:3025 (P-38)
10	Chemical Oxygen Demand	mg/L	80	85	IS:3025 (P-58)
11	Bio-Chemical Oxygen Demand (3 days at 27°C) (BOD)	mg/L	16	15	IS:3025 (P-44)
12	Manganese as Mn	mg/L	0.15	0.39	IS:3025 (P-59)
13	Chromium as Cr ⁺⁶	mg/L	ND [DL- 0.05]	ND [DL- 0.05]	APHA 23 rd Ed.
14	Lead as Pb	mg/L	ND [DL- 0.01]	ND [DL- 0.01]	APHA 23 rd Ed.
15	Zinc as Zn	mg/L	0.25	0.39	APHA 23 rd Ed.
16	Cadmium as Cd	mg/L	ND [DL- 0.003]	ND [DL- 0.003]	APHA 23 rd Ed.
17	Copper as Cu	mg/L	ND [DL- 0.25]	ND [DL- 0.25]	APHA 23 rd Ed.
18	Nickel as Ni	mg/L	ND [DL- 0.02]	ND [DL- 0.02]	APHA 23 rd Ed.
19	Arsenic as As	mg/L	ND [DL- 0.01]	ND [DL- 0.01]	APHA 23 rd Ed.
20	Selenium as Se	mg/L	ND [DL- 0.01]	ND [DL- 0.01]	IS:3025 (P-56)
21	Oil & Grease	mg/L	ND [DL- 2]	ND [DL- 2]	IS:3025 (P-39)
22	Phenolic Compound as C ₆ H ₅ OH	mg/L	ND [DL- 0.1]	ND [DL- 0.1]	IS:3025 (P-43)
23	Faecal Coliform*	MPN/100 ml	426	788	IS 1622

Remark: ND-Below Detection Limit, DL-Limit of Quantification, the lowest concentration of a substance that can be accurately measured under specified experimental conditions.

(AUTHORISED SIGNATORY)

(RHYTHM BASSON*)

(AUTHORISED SIGNATORY)

(RAVINDER MITTAL)

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Issued To M/s Indian Oil Corporation Limited
Paradip Refinery
PO Jhimani, Via: Kujang, Distt. Jagatsinghpur
Odisha, India

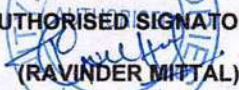
Test Report No.: 202404200110-111
Test Report Date: 07/05/2024

Sample Particulars

Nature of the Sample & No. of Samples : **Marine Water & Two Nos**
Sample Quantity & Packaging : 5 Litre, Pet Bottle & 500 ml in Glass Bottle
Test Started on : 25/04/2024
Test Completed : 06/05/2024
Method of Sampling : SOP/B/D-3
Date of Sampling : 20/04/2024
Sampling Conducted By : Mr. Praveen Parmanik
Place of Sampling : Final effluent discharge from Refinery (3 Km inside the sea from the LTL) (SW1-Surface)
Final effluent discharge from Refinery (3 Km inside the sea from the LTL) (SW2-Bottom)

Test Report

Sr. No.	Parameter	Unit	Result	
			SW1-Surface	SW2-Bottom
1	Salinity	-	39890	44560
2	P- Alkalinity as CaCO ₃	mg/L	1.0	2.0
3	Phosphates as PO ₄	mg/L	2.40	2.60
4	Nitrite as NO ₂	mg/L	ND [DL- 0.5]	ND [DL- 0.5]
5	Silica as SiO ₂	mg/L	12.40	21.50
6	TOC	mg/L	3	4
7	Conductivity	µS/cm	53790	56840
8	Total Dissolved Solids	mg/L	34820	36920
9	Total Alkalinity as CaCO ₃	mg/L	3200	3600
10	Chloride as Cl	mg/L	18800	21120
11	Sulphate as SO ₄	mg/L	1080	1120
12	Total Hardness as CaCO ₃	mg/L	5800	6200
13	Calcium as Ca	mg/L	1100	1200
14	Magnesium as Mg	mg/L	714.15	777.6
15	Sodium as Na	mg/L	8400	9000
16	Potassium as K	mg/L	1120	1040
17	Gross Alpha	Bq/l	<0.1	<0.1
18	Gross Beta	Bq/l	<0.1	<0.1
19	Sand	%	60	70
20	Silt	%	30	20
21	Clay	%	10	10

(AUTHORISED SIGNATORY)

(RAVINDER MITTAL)

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Issued To M/s Indian Oil Corporation Limited
Paradip Refinery
PO Jhimani, Via: Kujang, Distt. Jagatsinghpur
Odisha, India

Test Report No.: 202404190110-111
Test Report Date: 07/05/2024

Sample Particulars

Nature of the Sample & No. of Samples : **Marine Water & Two Nos**
Sample Quantity & Packaging : 5 Litre, Pet Bottle & 500 ml in Glass Bottle
Test Started on : 25/04/2024
Test Completed : 06/05/2024
Method of Sampling : SOP/B/D-3
Date of Sampling : 19/04/2024
Sampling Conducted By : Mr. Praveen Parmanik
Place of Sampling : South Oil Jetty, Paradip Port (SW3-Surface)
South Oil Jetty, Paradip Port (SW4-Bottom)

Test Report

Sr. No.	Parameter	Unit	Result		Protocol
			SW3-Surface	SW4-Bottom	
1	pH	...	7.42	8.12	IS:3025 (P-11)
2	Temperature (°C)	mg/L	25.8	26.3	IS:3025 (P-9)
3	Total Suspended Solids	mg/L	68	82	IS:3025 (P-17)
4	Sulphide as S	mg/L	0.4	0.8	IS:3025 (P-29)
5	Nitrate as NO ₃	mg/L	6.80	10.60	IS:3025 (P-34)
6	Ammonia as NH ₄	mg/L	0.90	2.40	IS:3025 (P-34)
7	Fluoride as F	mg/L	0.30	0.80	IS:3025 (P-60)
8	Iron as Fe	mg/L	0.60	0.94	APHA 23 rd Ed.
9	Dissolved Oxygen (DO)	mg/L	5.6	4.0	IS:3025 (P-38)
10	Chemical Oxygen Demand	mg/L	70	90	IS:3025 (P-58)
11	BOD.(3 days at 270 C)	mg/L	14	17	IS:3025 (P-44)
12	Manganese as Mn	mg/L	0.08	0.14	IS:3025 (P-59)
13	Chromium as Cr ⁺⁶	mg/L	ND [DL- 0.05]	ND [DL- 0.05]	APHA 23 rd Ed.
14	Lead as Pb	mg/L	ND [DL- 0.01]	ND [DL- 0.01]	APHA 23 rd Ed.
15	Zinc as Zn	mg/L	0.20	0.36	APHA 23 rd Ed.
16	Cadmium as Cd	mg/L	ND [DL- 0.003]	ND [DL- 0.003]	APHA 23 rd Ed.
17	Copper as Cu	mg/L	ND [DL- 0.25]	ND [DL- 0.25]	APHA 23 rd Ed.
18	Nickel as Ni	mg/L	ND [DL- 0.02]	ND [DL- 0.02]	APHA 23 rd Ed.
19	Arsenic as As	mg/L	ND [DL- 0.01]	ND [DL- 0.01]	APHA 23 rd Ed.
20	Selenium as Se	mg/L	ND [DL- 0.01]	ND [DL- 0.01]	IS:3025 (P-56)
21	Oil & Grease	mg/L	ND [DL- 2]	ND [DL- 2]	S:3025 (P-39)
22	Phenolic Compound as C ₆ H ₅ OH	mg/L	ND [DL- 0.1]	ND [DL- 0.1]	IS:3025 (P-43)
23	Total Coliform	MPN/100ml	454	605	IS 1622
24	Standard Plate Count	CFU/ml	984	1005	IS 1622

Remark: ND-Below Detection Limit, DL-Limit of Quantification, the lowest concentration of a substance that can be accurately measured under specified experimental conditions.

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Issued To Indian Oil Corporation Limited
 Paradip Refinery
 PO Jhimani, Via: Kujang
 Distt. Jagatsinghpur
 Odisha, India

Test Report No.: 202404190110-111
Test Report Date: 07/05/2024

Sample Particulars

Nature of the Sample & No. of Samples : **Surface Water & Two Nos**
 Sample Quantity & Packaging : 5 Litre, Pet Bottle & 500 ml in Glass Bottle
 Test Started on : 25/04/2024
 Test Completed : 06/05/2024
 Method of Sampling : SOP/B/D-3
 Date of Sampling : 19/04/2024
 Sampling Conducted By : Mr. Praveen Parmanik
 Place of Sampling : South Oil Jetty, Paradip Port (SW3-Surface)
 South Oil Jetty, Paradip Port (SW4-Bottom)

Test Report

Sr. No.	Parameter	Unit	Result	
			SW3-Surface	SW4-Bottom
1	Salinity	-	41940	46990
2	P- Alkalinity as CaCO ₃	mg/L	2.0	3.0
3	Phosphates as PO ₄	mg/L	1.20	2.00
4	Nitrite as NO ₂	mg/L	BDL (LOD-0.5)	BDL (LOD-0.5)
5	Silica as SiO ₂	mg/L	28.80	36.60
6	TOC	mg/L	4	5
7	Conductivity (µS/cm)	mg/L	51280	54280
8	Total Dissolved Solids	mg/L	33280	35200
9	Total Alkalinity as CaCO ₃	mg/L	1560	1800
10	Chloride as Cl	mg/L	16280	18280
11	Sulphate as SO ₄	mg/L	990	1100
12	Total Hardness as CaCO ₃	mg/L	5100	6000
13	Calcium as Ca	mg/L	1040	1200
14	Magnesium as Mg	mg/L	607.5	729
15	Sodium as Na	mg/L	8200	8600
16	Potassium as K	mg/L	1200	1800
17	Sand	%	60	70
18	Silt	%	30	20
19	Clay	%	10	10

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Distt. Jagatsinghpur
Odisha, India

Test Report No.: 202404190110-111
Test Report Date: 07/05/2024

Sample Particulars

Nature of the Sample & No. of Samples : **Surface Water & Two Nos**
Sample Quantity & Packaging : 5 Litre, Pet Bottle & 500 ml in Glass Bottle
Test Started on : 25/04/2024
Test Completed : 06/05/2024
Method of Sampling : SOP/B/D-3
Date of Sampling : 19/04/2024
Sampling Conducted By : Mr. Praveen Parmanik
Place of Sampling : South Oil Jetty, Paradip Port (SW3-Surface)
South Oil Jetty, Paradip Port (SW4-Bottom)

Test Report

Sr. No.	Parameter	Unit	Result	
			SW3-Surface	SW4-Bottom
1	Copepoda	Nos/Litre	16580	41789
2	Decapoda			
	Brachyuran larvaee	Nos/Litre	559	998
	Zoea larvae	Nos/Litre	369	6589
	Schizopod larvae	Nos/Litre	0	0
	Protozoaea of <i>A.indicus</i>	Nos/Litre	158	235
	Post larva of <i>P.indicus</i>	Nos/Litre	0	0
	<i>A caridean</i>	Nos/Litre	0	0
3	Cumaceae	Nos/Litre	58	77
4	Sergestidae			
	<i>Lucifer</i> sp.	Nos/Litre	52	182
5	Isopoda	Nos/Litre	45	61
6	Euphausiidae (furcilla)	Nos/Litre	0	0
7	Nematoda	Nos/Litre	68	149
8	Fish egg/larvae	Nos/Litre	756	2203
9	Phyllosoma larvae	Nos/Litre	129	326
10	Bippinaria larvae	Nos/Litre	0	0
11	Actinotrocha larvae	Nos/Litre	0	0
12	Polychaetes	Nos/Litre	284	356
13	Echinoderm larvae	Nos/Litre	1236	7209
14	Mysids	Nos/Litre	271	1629
15	Gastropod larvae	Nos/Litre	98	261
16	Chlorophyll 'a	mg/m ³	2.38	1.88
17	Phaeophytin	mg/m ³	17.16	19.48

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Issued To **M/s Indian Oil Corporation Limited**
Paradip Refinery
PO Jhimani, Via: Kujang, Distt. Jagatsinghpur
Odisha, India

Test Report No.: 202408290110-111
Test Report Date: 12/08/2024

Sample Particulars

Nature of the Sample & No. of Samples : **Marine Water & Two Nos**
Sample Quantity & Packaging : 5 Litre, Pet Bottle & 500 ml in Glass Bottle
Test Started on : 04/09/2024
Test Completed : 11/09/2024
Method of Sampling : SOP/B/D-3
Date of Sampling : 29/08/2024
Sampling Conducted By : Mr. Praveen Parmanik
Place of Sampling : Final effluent discharge from Refinery (3 Km inside the sea from the LTL) (SW1-Surface)
Final effluent discharge from Refinery (3 Km inside the sea from the LTL) (SW2-Bottom)

Test Report

Sr. No.	Parameter	Unit	Result		Protocol
			SW1-Surface	SW2-Bottom	
1	pH	-	7.50	7.65	IS:3025 (P-11)
2	Temperature	°C	26	25	IS:3025 (P-9)
3	Total Suspended Solids	mg/L	130	158	IS:3025 (P-17)
4	Sulphide as S	mg/L	0.7	1.1	IS:3025 (P-29)
5	Nitrate as NO ₃	mg/L	14.2	17.28	IS:3025 (P-34)
6	Ammonia as NH ₄	mg/L	2.50	3.82	IS:3025 (P-34)
7	Fluoride as F	mg/L	0.65	1.2	IS:3025 (P-60)
8	Iron as Fe	mg/L	1.20	1.50	APHA 23 rd Ed.
9	Dissolved Oxygen (DO)	mg/L	6.3	4.1	IS:3025 (P-38)
10	Chemical Oxygen Demand	mg/L	72	84	IS:3025 (P-58)
11	Bio-Chemical Oxygen Demand (3 days at 27°C) (BOD)	mg/L	14	13	IS:3025 (P-44)
12	Manganese as Mn	mg/L	0.45	0.69	IS:3025 (P-59)
13	Chromium as Cr ⁺⁶	mg/L	ND [DL- 0.05]	ND [DL- 0.05]	APHA 23 rd Ed.
14	Lead as Pb	mg/L	ND [DL- 0.01]	ND [DL- 0.01]	APHA 23 rd Ed.
15	Zinc as Zn	mg/L	0.52	0.62	APHA 23 rd Ed.
16	Cadmium as Cd	mg/L	ND [DL- 0.003]	ND [DL- 0.003]	APHA 23 rd Ed.
17	Copper as Cu	mg/L	ND [DL- 0.25]	ND [DL- 0.25]	APHA 23 rd Ed.
18	Nickel as Ni	mg/L	ND [DL- 0.02]	ND [DL- 0.02]	APHA 23 rd Ed.
19	Arsenic as As	mg/L	ND [DL- 0.01]	ND [DL- 0.01]	APHA 23 rd Ed.
20	Selenium as Se	mg/L	ND [DL- 0.01]	ND [DL- 0.01]	IS:3025 (P-56)
21	Oil & Grease	mg/L	ND [DL- 2]	ND [DL- 2]	IS:3025 (P-39)
22	Phenolic Compound as C ₆ H ₅ OH	mg/L	ND [DL- 0.1]	ND [DL- 0.1]	IS:3025 (P-43)

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Paradip Refinery
PO Jhimani, Via: Kujang, Distt. Jagatsinghpur
Odisha, India

Test Report No.: 202408290110-111
Test Report Date: 12/08/2024

Sample Particulars

Nature of the Sample & No. of Samples : **Marine Water & Two Nos**
Sample Quantity & Packaging : 5 Litre, Pet Bottle & 500 ml in Glass Bottle
Test Started on : 04/09/2024
Test Completed : 11/09/2024
Method of Sampling : SOP/B/D-3
Date of Sampling : 29/08/2024
Sampling Conducted By : Mr. Praveen Parmanik
Place of Sampling : Final effluent discharge from Refinery (3 Km inside the sea from the LTL) (SW1-Surface)
Final effluent discharge from Refinery (3 Km inside the sea from the LTL) (SW2-Bottom)

Test Report

Sr. No.	Parameter	Unit	Result		Protocol
			SW1-Surface	SW2-Bottom	
1	Faecal Coliform	MPN/100 ml	250	289	IS 1622

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Test Completed : 11/09/2024
Method of Sampling : SOP/B/D-3
Date of Sampling : 29/08/2024
Sampling Conducted By : Mr. Praveen Parmanik
Place of Sampling : Final effluent discharge from Refinery (3 Km inside the sea from the LTL) (SW1-Surface)
Final effluent discharge from Refinery (3 Km inside the sea from the LTL) (SW2-Bottom)

Test Report

Sr. No.	Parameter	Unit	Result	
			SW1-Surface	SW2-Bottom
1	Salinity	-	45398	47941
2	P- Alkalinity as CaCO ₃	mg/L	2.5	4.8
3	Phosphates as PO ₄	mg/L	2.2	3.1
4	Nitrite as NO ₂	mg/L	ND [DL- 0.5]	ND [DL- 0.5]
5	Silica as SiO ₂	mg/L	13.4	25.81
6	TOC	mg/L	4	5.0
7	Conductivity	µS/cm	57821	60285
8	Total Dissolved Solids	mg/L	37900	39432
9	Total Alkalinity as CaCO ₃	mg/L	3892	4126
10	Chloride as Cl	mg/L	20431	23131
11	Sulphate as SO ₄	mg/L	1360	1420
12	Total Hardness as CaCO ₃	mg/L	6722	6798
13	Calcium as Ca	mg/L	1042	1190
14	Magnesium as Mg	mg/L	830	960
15	Sodium as Na	mg/L	8420	8950
16	Potassium as K	mg/L	1820	2190
17	Gross Alpha	Bq/l	<0.1	<0.1
18	Gross Beta	Bq/l	<0.1	<0.1

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Odisha, India

Test Report No.: 202408290110-111
Test Report Date: 12/08/2024

Sample Particulars

Nature of the Sample & No. of Samples : **Marine Water & Two Nos**
Sample Quantity & Packaging : 5 Litre, Pet Bottle & 500 ml in Glass Bottle
Test Started on : 04/09/2024
Test Completed : 11/09/2024
Method of Sampling : SOP/B/D-3
Date of Sampling : 29/08/2024
Sampling Conducted By : Mr. Praveen Parmanik
Place of Sampling : Final effluent discharge from Refinery (3 Km inside the sea from the LTL) (SW1-Surface)
Final effluent discharge from Refinery (3 Km inside the sea from the LTL) (SW2-Bottom)

Test Report

Sr. No.	Parameter	Unit	Result	
			SW1-Surface	SW2-Bottom
1	Sand	%	48	75
2	Silt	%	41	17
3	Clay	%	17	14



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Odisha, India

Test Report No.: 202408290110-111
Test Report Date: 12/08/2024

Sample Particulars

Nature of the Sample & No. of Samples : **Marine Water & Two Nos**
Sample Quantity & Packaging : 5 Litre, Pet Bottle & 500 ml in Glass Bottle
Test Started on : 04/09/2024
Test Completed : 11/09/2024
Method of Sampling : SOP/B/D-3
Date of Sampling : 29/08/2024
Sampling Conducted By : Mr. Praveen Parmanik
Place of Sampling : Final effluent discharge from Refinery (3 Km inside the sea from the LTL) (SW1-Surface)
Final effluent discharge from Refinery (3 Km inside the sea from the LTL) (SW2-Bottom)

Test Report

Sr. No.	Parameter	Unit	Result	
			SW1-Surface	SW2-Bottom
1	Copepoda	Nos/Litre	57843	72383
2	Decapoda	Nos/Litre		
	Brachyuran larvaee	Nos/Litre	1627	827
	Zoea larvae	Nos/Litre	3029	10101
	Schizopod larvae	Nos/Litre	0	0
	Protozoa of <i>A.indicus</i>	Nos/Litre	118	382
	Post larva of <i>P.indicus</i>	Nos/Litre	0	0
	<i>A caridean</i>	Nos/Litre	0	78
3	Cumaceae	Nos/Litre	69	592
4	Sergestidae	Nos/Litre		
	<i>Lucifer</i> sp.	Nos/Litre	0	1827
5	Isopoda	Nos/Litre	0	79

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Odisha, India

Test Report No.: 202408290110-111
Test Report Date: 12/08/2024

Test Report

Sr. No.	Parameter	Unit	Result	
			SW1-Surface	SW2-Bottom
6	Euphausiadae (furcilla)	Nos/Litre	0	0
7	Nematoda	Nos/Litre	127	602
8	Fish egg/larvae	Nos/Litre	289	1038
9	Phyllosoma larvae	Nos/Litre	0	1128
10	Bippinaria larvae	Nos/Litre	0	110
11	Actinotrocha larvae	Nos/Litre	0	0
12	Polychaetes	Nos/Litre	1128	0
13	Echinoderm larvae	Nos/Litre	7026	11827
14	Mysids	Nos/Litre	2983	1425
15	Gastropod larvae	Nos/Litre	0	82

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Odisha, India

Test Report No.: 202408290110-111
Test Report Date: 12/08/2024

Sample Particulars

Nature of the Sample & No. of Samples : **Marine Water & Two Nos**
Sample Quantity & Packaging : 5 Litre, Pet Bottle & 500 ml in Glass Bottle
Test Started on : 04/09/2024
Test Completed : 11/09/2024
Method of Sampling : SOP/B/D-3
Date of Sampling : 29/08/2024
Sampling Conducted By : Mr. Praveen Parmanik
Place of Sampling : Final effluent discharge from Refinery (3 Km inside the sea from the LTL) (SW1-Surface)
Final effluent discharge from Refinery (3 Km inside the sea from the LTL) (SW2-Bottom)

Test Report

Sr. No.	Parameter	Unit	Result	
			SW1-Surface	SW2-Bottom
1	Chlorophyll 'a	mg/l	0.89	0.43
2	Phaeophytin	mg/l	0.87	0.16

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Paradip Refinery
PO Jhimani, Via: Kujang, Distt. Jagatsinghpur
Odisha, India

Test Report No.: 202408290112-113
Test Report Date: 12/08/2024

Sample Particulars

Nature of the Sample & No. of Samples : **Marine Water & Two Nos**
Sample Quantity & Packaging : 5 Litre, Pet Bottle & 500 ml in Glass Bottle
Test Started on : 04/09/2024
Test Completed : 11/09/2024
Method of Sampling : SOP/B/D-3
Date of Sampling : 29/08/2024
Sampling Conducted By : Mr. Praveen Parmanik
Place of Sampling : South Oil Jetty, Paradip Port (SW3-Surface)
South Oil Jetty, Paradip Port (SW4-Bottom)

Test Report

Sr. No.	Parameter	Unit	Result		Protocol
			SW3-Surface	SW4-Bottom	
1	pH	...	7.80	8.25	IS:3025 (P-11)
2	Temperature (°C)	mg/L	27.8	30	IS:3025 (P-9)
3	Total Suspended Solids	mg/L	75	90	IS:3025 (P-17)
4	Sulphide as S	mg/L	0.80	1.2	IS:3025 (P-29)
5	Nitrate as NO ₃	mg/L	12	16	IS:3025 (P-34)
6	Ammonia as NH ₄	mg/L	2.95	4.90	IS:3025 (P-34)
7	Fluoride as F	mg/L	0.50	1.1	IS:3025 (P-60)
8	Iron as Fe	mg/L	1.6	2.40	APHA 23 rd Ed.
9	Dissolved Oxygen (DO)	mg/L	6.2	3.4	IS:3025 (P-38)
10	Chemical Oxygen Demand	mg/L	75	95	IS:3025 (P-58)
11	BOD (3 days at 270 C)	mg/L	11	18	IS:3025 (P-44)
12	Manganese as Mn	mg/L	0.32	0.65	IS:3025 (P-59)
13	Chromium as Cr +6	mg/L	ND [DL- 0.05]	ND [DL- 0.05]	APHA 23 rd Ed.
14	Lead as Pb	mg/L	ND [DL- 0.01]	ND [DL- 0.01]	APHA 23 rd Ed.
15	Zinc as Zn	mg/L	0.50	0.60	APHA 23 rd Ed.

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RAVINDER MITTAL

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Issued To M/s Indian Oil Corporation Limited
Paradip Refinery
PO Jhimani, Via: Kujang, Distt. Jagatsinghpur
Odisha, India

Test Report No.: 202408290112-113
Test Report Date: 12/08/2024

Test Report

Sr. No.	Parameter	Unit	Result		Protocol
			SW3-Surface	SW4-Bottom	
16	Cadmium as Cd	mg/L	ND [DL- 0.003]	ND [DL- 0.003]	APHA 23 rd Ed.
17	Copper as Cu	mg/L	ND [DL- 0.25]	ND [DL- 0.25]	APHA 23 rd Ed.
18	Nickel as Ni	mg/L	ND [DL- 0.02]	ND [DL- 0.02]	APHA 23 rd Ed.
19	Arsenic as As	mg/L	ND [DL- 0.01]	ND [DL- 0.01]	APHA 23 rd Ed.
20	Selenium as Se	mg/L	ND [DL- 0.01]	ND [DL- 0.01]	IS:3025 (P-56)
21	Oil & Grease	mg/L	ND [DL- 2]	ND [DL- 2]	S:3025 (P-39)
22	Phenolic Compound as C ₆ H ₅ OH	mg/L	ND [DL- 0.1]	ND [DL- 0.1]	IS:3025 (P-43)

Remark: ND-Below Detection Limit, DL-Limit of Quantification, the lowest concentration of a substance that can be accurately measured under specified experimental conditions.

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Distt. Jagatsinghpur
Odisha, India

Test Report No.: 202408290112-113
Test Report Date: 12/08/2024

Sample Particulars

Nature of the Sample & No. of Samples : **Surface Water & Two Nos**
Sample Quantity & Packaging : 5 Litre, Pet Bottle & 500 ml in Glass Bottle
Test Started on : 04/09/2024
Test Completed : 11/09/2024
Method of Sampling : SOP/B/D-3
Date of Sampling : 29/08/2024
Sampling Conducted By : Mr. Praveen Parmanik
Place of Sampling : South Oil Jetty, Paradip Port (SW3-Surface)
South Oil Jetty, Paradip Port (SW4-Bottom)

Test Report

Sr. No.	Parameter	Unit	Result		Protocol
			SW3-Surface	SW4-Bottom	
1	Total Coliform	MPN	18	27	IS 1622
2	Standard Plate Count	CFU/ml	771	992	IS 1622

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Sampling Conducted By : Mr. Praveen Parmanik
Place of Sampling : South Oil Jetty, Paradip Port (SW3-Surface)
South Oil Jetty, Paradip Port (SW4-Bottom)

Test Report

Sr. No.	Parameter	Unit	Result	
			SW3-Surface	SW4-Bottom
1	Salinity	-	46024	48250
2	P- Alkalinity as CaCO ₃	mg/L	3.9	4.8
3	Phosphates as PO ₄	mg/L	2.1	2.4
4	Nitrite as NO ₂	mg/L	BDL (LOD-0.5)	BDL (LOD-0.5)
5	Silica as SiO ₂	mg/L	35	40
6	TOC	mg/L	5.0	6.4
7	Conductivity (μS/cm)	mg/L	56425	58222
8	Total Dissolved Solids	mg/L	36842	38101
9	Total Alkalinity as CaCO ₃	mg/L	1824	2140
10	Chloride as Cl	mg/L	18439	22990
11	Sulphate as SO ₄	mg/L	1086	1232
12	Total Hardness as CaCO ₃	mg/L	5629	6449
13	Calcium as Ca	mg/L	1420	1490
14	Magnesium as Mg	mg/L	600	620
15	Sodium as Na	mg/L	9332	9541
16	Potassium as K	mg/L	1640	2050

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Place of Sampling : South Oil Jetty, Paradip Port (SW3-Surface)
South Oil Jetty, Paradip Port (SW4-Bottom)

Test Report

Sr. No.	Parameter	Unit	Result	
			SW3-Surface	SW4-Bottom
1	Sand	%	49	68
2	Silt	%	19	10
3	Clay	%	23	9

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South Oil Jetty, Paradip Port (SW4-Bottom)

Test Report

Sr. No.	Parameter	Unit	Result	
			SW3-Surface	SW4-Bottom
1	Copepoda	Nos/Litre	17352	38272
2	Decapoda			
	Brachyuran larvaee	Nos/Litre	503	1282
	Zoea larvae	Nos/Litre	301	6847
	Schizopod larvae	Nos/Litre	0	0
	Protozoa of <i>A.indicus</i>	Nos/Litre	152	212
	Post larva of <i>P.indicus</i>	Nos/Litre	0	0
	<i>A caridean</i>	Nos/Litre	0	0
3	Cumaceae	Nos/Litre	26	84
4	Sergestidae			
	<i>Lucifer</i> sp.	Nos/Litre	0	302
5	Isopoda	Nos/Litre	0	24



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Test Report

Sr. No.	Parameter	Unit	Result	
			SW3-Surface	SW4-Bottom
6	Euphausiadae (furcilla)	Nos/Litre	0	0
7	Nematoda	Nos/Litre	82	178
8	Fish egg/larvae	Nos/Litre	1094	1564
9	Phyllosoma larvae	Nos/Litre	0	365
10	Bippinaria larvae	Nos/Litre	0	0
11	Actinotrocha larvae	Nos/Litre	0	0
12	Polychaetes	Nos/Litre	321	0
13	Echinoderm larvae	Nos/Litre	1356	8362
14	Mysids	Nos/Litre	241	2047
15	Gastropod larvae	Nos/Litre	26	287

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Place of Sampling : South Oil Jetty, Paradip Port (SW3-Surface)
South Oil Jetty, Paradip Port (SW4-Bottom)

Test Report

Sr. No.	Parameter	Unit	Result	
			SW3-Surface	SW4-Bottom
1	Chlorophyll 'a	mg/l	1.27	0.48
2	Phaeophytin	mg/l	0.92	0.38



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Annexure-12

Noise Survey Report

NOISE MONITORING DATA AUGUST 2024					
Sl. No.	Area	Location	Avg. Time of Reading (min)	Standard for 15 min duration as per OISD	Readings in dBA
1	AVU	P3 A/B	15	115	105.9
		P22 A/B	15	115	111.3
		P25 A/B	15	115	110.9
		KM 04 A/B	15	115	100.5
		P7 A/B	15	115	102.6
		P2 A/B	15	115	101.1
		Compressor House	15	115	96.8
		P13 A/B	15	115	100.1
		P10 A/B	15	115	100.8
		P30 A/B	15	115	101.1
		F 101	15	115	98.9

NOISE MONITORING DATA AUGUST 2024					
Sl. No.	Area	Location	Avg. Time of Reading (min)	Standard for 15 min duration as per OISD	Readings in dBA
2	SRU	089 KM 1	15	115	100.1
		089 PM 003 B	15	115	96.2
		088 K 001	15	115	108.5
		087 V 001	15	115	96.4
		087 WHB 001	15	115	98.1
		087 Sulphur Pit	15	115	101.0
		087 E 003	15	115	96.4
		086 E 003	15	115	100.2
		086 K 001	15	115	103.7
		085 Pump	15	115	107.9

NOISE MONITORING DATA AUGUST 2024					
Sl. No.	Area	Location	Avg. Time of Reading (min)	Standard for 15 min duration as per OISD	Readings in dBA
3	ETP	Aeration Blower	15	115	87.1
		230 Air Compressor	15	115	97.9
		231 Air Compressor	15	115	107.6

Occupational Health Physician

Nibedita Nayak
Industrial Hygienist

INDUSTRIAL HYGIENIST
VKPRMS HOSPITAL
Paradip Refinery.

Dr. Ashok Kumar
11/1/25
डॉ. अशोक कुमार
Dr. ASHOK KUMAR
अतिरिक्त मुख्य चिकित्सा अधिकारी
Additional Chief Medical Officer
पारादीप रिफाइनरी (इंडियन ऑयल)
Paradip Refinery (Indian Oil)
Paradip - 754141 (Odisha)

NOISE MONITORING DATA AUGUST 2024					
Sl. No.	Area	Location	Avg. Time of Reading (min)	Standard for 15 min duration as per OISD	Readings in dBA
4	DHDT	RGC AREA	15	115	100.8
		FV-17 Area	15	115	105.6
		HCDS 1 A/B	15	115	108.2
		HCDS 1 C	15	115	107.7

NOISE MONITORING DATA AUGUST 2024					
Sl. No.	Area	Location	Avg. Time of Reading (min)	Standard for 15 min duration as per OISD	Readings in dBA
5	VGO-HDT	RGC AREA	15	115	115.0
		P12 RESIDUE	15	115	109.6
		P1 A/B	15	115	100.6
		P2 A/B	15	115	98.8
		P3 A/B	15	115	110.8
		P16 A/B	15	115	101.8
		KM 2A	15	115	100.0
		P19 B	15	115	100.3
		F 001	15	115	93.2
		E-06 Area	15	115	98.1

NOISE MONITORING DATA AUGUST 2024					
Sl. No.	Area	Location	Avg. Time of Reading (min)	Standard for 15 min duration as per OISD	Readings in dBA
6	Alkalation_Bu tamer	24K001	15	115	102.5
		24/P15/PV200	15	115	89.6
		P109 B	15	115	93.8

Occupational Health Physician

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अतिरिक्त मुख्य चिकित्सा अधिकारी
Additional Chief Medical Officer
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पारादीप / Paradip - 754141 (Odisha)

Nibedita Nayak
Industrial Hygienist
INDUSTRIAL HYGIENIST
VKPRMS HOSPITAL
Paradip Refinery.

NOISE MONITORING DATA AUGUST 2024					
Sl. No.	Area	Location	Avg. Time of Reading (min)	Standard for 15 min duration as per OISD	Readings in dBA
7	DCU	30 P45 B	15	115	95.6
		30 P7 A	15	115	102.0
		30 P13 A/B	15	115	104.5
		30 P1 A/B	15	115	103.1
		30 P11 A	15	115	100.0
		Compressor House GF	15	115	105.1
		30 C 008	15	115	100.5
		30 P20 A	15	115	102.6

NOISE MONITORING DATA AUGUST 2024					
Sl. No.	Area	Location	Avg. Time of Reading (min)	Standard for 15 min duration as per OISD	Readings in dBA
8	FCCU	Reactor Resior	15	115	93.8
		Near J-Bend & CKN CV (Coke Naptha)	15	115	94.5
		Bottom Pump P 10A/B/C (A,C - Run)	15	115	88.9
		Furnace Area (Inline)	15	115	84.8
		ID Fan Area (Run)	15	115	78.4
		FD Fan Area (Run)	15	115	83.3
		023 P 14 (Run)	15	115	84.2
		023 P 18 (Run)	15	115	92.4
		023 P 02 Back of P18	15	115	89.2
		023 P 001 A (Run)	15	115	90.2
		023 P 28A (Run)	15	115	86.2
		V 10,11,13	15	115	85.6
		WGC KOD V12 Vessel GF	15	115	89.1
		WGC Compressor PF	15	115	92.2
		WGC Near Surface Comdensor	15	115	91.2
		MAB GF NEAR Turbine Valve	15	115	98.5
		MAB PF (Compressor) Turning Gear	15	115	97.4
		PRT Turbine LO Pump	15	115	94.3
		PRT Expander Area	15	115	86.6
		Seal Air Blower 23-KM-2131A (Run)	15	115	92.3
		P 13 (Run)	15	115	85.5

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Paradip Refinery.

NOISE MONITORING DATA AUGUST 2024					
Sl. No.	Area	Location	Avg. Time of Reading (min)	Standard for 15 min duration as per OISD	Readings in dBA
9	CPP	GT 1	15	115	99.3
		GT 3	15	115	111.1
		Boiler 2	15	115	96.8
		Pump House	15	115	100.9
		BFP Building	15	115	100.8

NOISE MONITORING DATA AUGUST 2024					
Sl. No.	Area	Location	Avg. Time of Reading (min)	Standard for 15 min duration as per OISD	Readings in dBA
10	NHT-CCR	RU Compressor	15	115	104.6
		42 K4 Compressor	15	115	105.6
		42 K2 Compressor	15	115	106.5
		42 K3 Compressor	15	115	92.5
		42 K1 Compressor	15	115	99.5
		42 K2 Discharge	15	115	103.9
		42 AC 4C	15	115	95.6
		42 AC 4B	15	115	99.2
		42 AC 3A	15	115	92.9
		42 AC 1H	15	115	102.6
		42 AC 1A	15	115	105.6
		42 AC 7	15	115	100.9

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पारदीप / Paradip - 754141 (Odisha)

Nibedita Nayak
Industrial Hygienist
INDUSTRIAL HYGIENIST
VKPRMS HOSPITAL
Paradip Refinery.

NOISE MONITORING DATA AUGUST 2024					
Sl. No.	Area	Location	Avg. Time of Reading (min)	Standard for 15 min duration as per OISD	Readings in dBA
11	Polypropylene Area	72-KM-901A	15	115	91.9
		72-KM-901B	15	115	89.9
		72-KM-804B	15	115	94.2
		72-KM-801B	15	115	93.6
		73-KM-801A	15	115	92.4
		73-KM-804A	15	115	98.4
		72-KM-301	15	115	87.9
		73-KM-301	15	115	84.7
		71-KM-601	15	115	80.8

AUGUST 2024 NOISE MONITORING DATA					
Sl. No.	Area	Location	Avg. Time of Reading (min)	Standard for 15 min duration as per OISD	Readings in dBA
1	South Side	Raw Water End Point	15	75	59.4
		Raw Water Watch Tower	15	75	61.2
		Near Fire Pump House	15	75	64.5
		203-TK-0101	15	75	63.1
		Air Station 481/7	15	75	51.2
		Road 225/2006 Watch Tower	15	75	60.3
		Road 225/262 Watch Tower	15	75	55.2
2	IOTL	Watch tower road 1008-1009	15	75	60.2
		NC 39	15	75	61.9
		NC 38 NEAR TANK 4 /16	15	75	60.2
		NEAR SRR 819	15	75	61.5
		Watch tower NC 34	15	75	59.3
		Road No.1006 NC 32	15	75	65.2
		Watch Tower NC 30	15	75	56.9
		NC 28	15	75	55.9
		Watch Tower NC 24	15	75	63.2
		Road No.1004 NC 21	15	75	62.2


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Nibedita Nayak
 Industrial Hygienist
 INDUSTRIAL HYGIENIST
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 Paradip Refinery,

NOISE MONITORING DATA SEPTEMBER 2024					
Sl. No.	Area	Location	Avg. Time of Reading (min)	Standard for 15 min duration as per OISD	Readings in dBA
1	AVU	P3 A/B	15	115	102.1
		P22 A/B	15	115	109.5
		P25 A/B	15	115	100.9
		KM 04 A/B	15	115	99.5
		P7 A/B	15	115	101.5
		P2 A/B	15	115	98.2
		Compressor House	15	115	99.3
		P13 A/B	15	115	100.1
		P10 A/B	15	115	100.1
		P30 A/B	15	115	102.3
		F 101	15	115	95.6

NOISE MONITORING DATA SEPTEMBER 2024					
Sl. No.	Area	Location	Avg. Time of Reading (min)	Standard for 15 min duration as per OISD	Readings in dBA
2	SRU	089 KM 1	15	115	100.6
		089 PM 003 B	15	115	98.5
		088 K 001	15	115	103.4
		087 V 001	15	115	93.5
		087 WHB 001	15	115	96.1
		087 Sulphur Pit	15	115	100.0
		087 E 003	15	115	94.5
		086 E 003	15	115	100.1
		086 K 001	15	115	102.1
		085 Pump	15	115	105.6

NOISE MONITORING DATA SEPTEMBER 2024					
Sl. No.	Area	Location	Avg. Time of Reading (min)	Standard for 15 min duration as per OISD	Readings in dBA
3	ETP	Aeration Blower	15	115	85.1
		230 Air Compressor	15	115	95.6
		231 Air Compressor	15	115	105.4

Occupational Health Physician

Dr. ASHOK KUMAR

अतिरिक्त मुख्य चिकित्सा अधिकारी
Additional Chief Medical Officer
पारादीप रिफाइनरी (इंडियन ऑयल)
Paradip Refinery (IndianOil)
754141 (Odisha)

INDUSTRIAL HYGIENIST
VKPRMS HOSPITAL
Paradip Refinery.

NOISE MONITORING DATA SEPTEMBER 2024					
Sl. No.	Area	Location	Avg. Time of Reading (min)	Standard for 15 min duration as per OISD	Readings in dBA
4	VGO-HDT	RGC AREA	15	115	100.5
		P12 RESIDUE	15	115	103.4
		P1 A/B	15	115	99.6
		P2 A/B	15	115	98.5
		P3 A/B	15	115	101.8
		P16 A/B	15	115	99.8
		KM 2A	15	115	100.0
		P19 B	15	115	100.1
		F 001	15	115	92.2

NOISE MONITORING DATA SEPTEMBER 2024					
Sl. No.	Area	Location	Avg. Time of Reading (min)	Standard for 15 min duration as per OISD	Readings in dBA
5	DCU	30 P45 B	15	115	92.3
		30 P7 A	15	115	101.0
		30 P13 A/B	15	115	98.5
		30 P1 A/B	15	115	93.1
		30 P11 A	15	115	100.1
		Compressor House GF	15	115	103.2
		30 C 008	15	115	100.3

NOISE MONITORING DATA SEPTEMBER 2024					
Sl. No.	Area	Location	Avg. Time of Reading (min)	Standard for 15 min duration as per OISD	Readings in dBA
6	CPP	GT 1	15	115	95.3
		GT 3	15	115	85.9
		Boiler 2	15	115	91.2
		Pump House	15	115	89.9
		BFP Building	15	115	93.5
		CPP Building entrance	15	115	78.7
		CPP Main Entrance	15	115	67.8
		HRS 3	15	115	85.5
		UB Operator Cabin	15	115	68.6
		UB- 1 & 2 Area	15	115	89.1
		New GIS (Outside)	15	115	85.6

Occupational Health Physician

Nibedita Nayak
Industrial Hygienist

INDUSTRIAL HYGIENIST
VKPRMS HOSPITAL
Paradip Refinery.

Dr. Ashok Kumar
Dr. ASHOK KUMAR
अतिरिक्त मुख्य चिकित्सा अधिकारी
Additional Chief Medical Officer
पारादीप रिफाइनरी (इंडियन ऑयल)
Paradip Refinery (IndianOil)

NOISE MONITORING DATA SEPTEMBER 2024					
Sl. No.	Area	Location	Avg. Time of Reading (min)	Standard for 15 min duration as per OISD	Readings in dBA
7	FCCU	Reactor Resior	15	115	91.5
		Near J-Bend & CKN CV (Coke Naptha)	15	115	93.6
		Bottom Pump P 10A/B/C (A,C - Run)	15	115	89.3
		Furnace Area (Inline)	15	115	85.7
		ID Fan Area (Run)	15	115	79.4
		FD Fan Area (Run)	15	115	82.1
		023 P 14 (Run)	15	115	84.2
		023 P 18 (Run)	15	115	95.4
		023 P 02 Back of P18	15	115	89.1
		023 P 001 A (Run)	15	115	96.2
		023 P 28A (Run)	15	115	84.2
		V 10,11,13	15	115	87.6
		WGC KOD V12 Vessel GF	15	115	90.1
		WGC Compressor PF	15	115	91.2
		WGC Near Surface Comdensor	15	115	93.8
		MAB GF NEAR Turbine Valve	15	115	98.5
		MAB PF (Compressor) Turning Gear	15	115	96.4
		PRT Turbine LO Pump	15	115	92.3
		PRT Expander Area	15	115	87.6
		Seal Air Blower 23-KM-2131A (Run)	15	115	92.3

Occupational Health Physician

डा. अशोक कुमार

Dr. ASHOK KUMAR

अतिरिक्त मुख्य चिकित्सा अधिकारी

Additional Chief Medical Officer

पारादीप रिफाइनरी (इंडियन ऑयल)

Paradip Refinery (IndianOil)

पारादीप - Paradip - 754141 (Odisha)

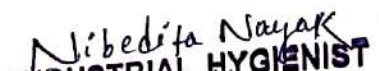
Nibedita Nayak
Industrial Hygienist

INDUSTRIAL HYGIENIST
VKPRMS HOSPITAL
Paradip Refinery

NOISE MONITORING DATA SEPTEMBER 2024					
Sl. No.	Area	Location	Avg. Time of Reading (min)	Standard for 15 min duration as per OISD	Readings in dBA
8	NHT-CCR	RU Compressor	15	115	100.5
		42 K4 Compressor	15	115	101.4
		42 K2 Compressor	15	115	95.5
		42 K3 Compressor	15	115	91.7
		42 K1 Compressor	15	115	98.5
		42 K2 Discharge	15	115	101.2
		42 AC 4C	15	115	93.6
		42 AC 4B	15	115	98.2
		42 AC 3A	15	115	90.9
		42 AC 1H	15	115	100.6
		42 AC 1A	15	115	101.6
		42 AC 7	15	115	99.9


Occupational Health Physician

डॉ. अशोक कुमार
Dr. ASHOK KUMAR
अतिरिक्त मुख्य चिकित्सा अधिकारी
Additional Chief Medical Officer
पारादीप रिफाइनरी (इंडियन ऑयल)
Paradip Refinery (Indian Oil)
पारादीप / Paradip - 754141 (Odisha)


INDUSTRIAL HYGIENIST
VKPRMS HOSPITAL
Paradip Refinery.

Annexure-13

Soil Analysis Report

Issued To M/s Indian Oil Corporation Limited
Paradip Refinery
PO Jhimani, Via: Kujang, Distt. Jagatsinghpur
Odisha, India

ULR No.: TC636624000000902F-904F
Test Report Date: 13/02/2024

Sample Particulars

Nature of the Sample & No. of Samples : **Soil& Three Nos**
Sample Quantity & Packaging : 1.0 Kg Each in Poly Pack
Sample Received at Lab : 05/02/2024
Test Started On : 05/02/2024
Test Completed On : 12/02/2024
Method of Sampling : SOP/B/D-3
Date of Sampling : 29/01/2024
Monitoring Conducted By : Mr. Praveen Pramanik
Sampling Location : S1-Product Pipeline
S2-Crude Pipelines
S3-Secured Land Fill Area

Analysis Report

Sr. No.	Parameters	Unit	Test Results			Protocol
			S1	S2	S3	
1	pH (at 25 °C) (1:5)	-	7.60	7.73	7.96	IS:2720 (P-26)
2	Electrical Conductivity	ms/cm	1820	1930	1750	IS:2720 (P-21)
3	Available Potassium as K	mg/kg	60	52	56	NL/SOP/Soil/17
4	Organic Matter	%	0.64	0.53	0.74	IS:2720 (P-22)
5	Total Phosphorous	mg/kg	ND (DL-5)	ND (DL-5)	ND (DL-5)	NL/SOP/Soil/12
6	Available Sodium	mg/kg	164	178	168	APHA 23 rd Ed.
7	Cation Exchange Capacity (CEC)	Meq/100 gm	14.20	14.90	14.60	IS 2720 (P-24)



TC-6366



NOTE: The laboratory accepts the responsibility for content of report. The results contained in this test report related only to the sample tested. Test report shall not be reproduced except in full, without written approval of the laboratory. This report is intended only for your guidance and not for legal purpose or for advertisement. This report shall not be reproduced except in full without the written approval of this organization. Samples will be destroyed after 30 days from the date of issue of test certificate unless otherwise specified. Any complaints about this report should be communicated in writing within 7 days of issue of this report. Total liability of Nitya Laboratories is limited invoiced amount only. * not in NABL Scope. If you have any complaint/feedback regarding the sample collection/testing/test report, please send an email at info@nitya.com and call at +91-191-2485597, +91-9873934083

Issued To M/s Indian Oil Corporation Limited
Paradip Refinery
PO Jhimani, Via: Kujang, Distt. Jagatsinghpur
Odisha, India

Test Report No.: 202301290110-112
Test Report Date: 13/02/2023

Sample Particulars

Nature of the Sample & No. of Samples : **Soil& Three Nos**
Sample Quantity & Packaging : 1.0 Kg Each in Poly Pack
Sample Received at Lab : 05/02/2024
Test Started On : 05/02/2024
Test Completed On : 12/02/2024
Method of Sampling : SOP/B/D-3
Date of Sampling : 29/01/2024
Monitoring Conducted By : Mr. Praveen Pramanik
Sampling Location : S1-Product Pipeline
S2-Crude Pipelines
S3-Secured Land Fill Area

Analysis Report

Sr. No.	Parameters	Unit	Test Results		
			S1	S2	S3
1	Available Nitrogen as N	mg/kg	68.6	66	70.4
2	Available Calcium as Ca	mg/kg	320	240	270
3	Available Magnesium as Mg	mg/kg	180	160	200
4	Oil & Grease	mg/kg	ND (DL-5)	6	ND (DL-5)
5	Phenolic Compound	mg/kg	ND (DL-5)	1.12	ND (DL-5)
6	Sulphur as S	mg/kg	ND (DL-5)	6.20	ND (DL-5)


AUTHORISED SIGNATORY
RAVINDER MITTAL

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Annexure-14

Forest Clearance

26-5-2000
MD, IDCO

SRI A.K. MAHARAJA

DGM (EIA)

CAMP: BBSR

90

No. 8-64/98 - FC
Government of India
Ministry of Environment and Forests
(F.C. Division)

Paryavaran Bhawan,
CGO Complex, Lodhi Road,
New Delhi - 110 003.

Dated: the 23rd May, 2000

To
The Secretary (Forests)
Government of Orissa,
Bhubaneswar.

Subject: Diversion of 36.5 ha. of forest land for Eastern India Refinery project at
Paradeep under Mangrove Forest Division, Rajnagar in Jagatsingpur of Orissa

Sir,

I am directed to refer to the State Government, Forest and Environment Department's letters no.10F(Cons)13/97, 14241/F&E dated 18.7.98, no.10F(Cons.)-3/99(PL) 5405/F&E dt. 1/4/2000 and 10F(Cons.)-3/99 (PL) 7463 dt. 16.5.2000 on the above mentioned subject seeking prior approval of the Central Government in accordance with Section-2 of the Forest (Conservation) Act, 1980 and to say that the proposal has been examined by the Advisory Committee constituted by the Central Government under Section-3 of the aforesaid Act.

and in pursuance of the proposal of the State Government and on the basis of the recommendations of the above mentioned Advisory Committee, the Central Government hereby conveys its approval under Section-2 of the Forest (Conservation) Act, 1980 for diversion of 36.5 ha. of forest land for Eastern India Refinery project at Paradeep under Mangrove forest division, Rajnagar in Jagatsingpur of Orissa subject to the following conditions:-

- i. Legal status of forest land shall remain unchanged.
- ii. Compensatory afforestation will be carried out over 183 ha. of degraded forest land at the project cost.
- iii. While carrying out afforestation for creation of green belt, efforts should be made to plant local floral species and also the species yielding more of non wood timber products. Such plantation should be carried out in consultation with the concerned Division Forest Officer.
- iv. No forest land shall be used for rehabilitation of rustees.

- v. The user agency will make arrangements for free supply of fuelwood preferably alternate energy source to labourers and staff working on the project site so as to avoid any pressure on the adjacent forest areas.
- vi. The scheme submitted by the State Govt. for studies on the "Population dynamics of the nesting Olive Ridley Turtles" at Gahirmatha coast of Orissa shall be finalised by the State Govt. in consultation with Wildlife Institute of India and shall be sent to this Ministry for approval.
- vii. The approval under the Forest (Conservation) Act, 1980 is subject to the clearance under Environmental Protection Act, 1986.
- viii. Any other condition that the State Govt. or the Chief Conservator of Forests (Central), Regional Office, Bhubaneswar may impose from time to time in the interest of afforestation and protection & improvement of the flora and fauna in the area.

Yours faithfully,

(J.P. Misra)

Assistant Inspector General of Forests

Copy to:

1. The Principal Chief Conservator of Forests, Government of Orissa, Bhubaneswar.
2. The Nodal Officer, Office of the PCCF, Government of Orissa, Bhubaneswar.
3. The Chief Conservator of Forests (Central), Regional Office, Bhubaneswar.
4. Regional Office (HQ), New Delhi.
5. The Managing Director, Eastern India Refinery Projects, IDCU, IDCO Towers, Jampalli, Bhubaneswar, ORISSA.
6. Guard File

(J. P. Misra)

Assistant Inspector General of Forests