

C1.3 The Proposed Variations

Item No.	Change in Operation	Variation to IPPC permit					DPS IPPC Permit Ref. No.
1	Addition of new HFO Diesel engine-driven plant rated at 149MW (Gross)	This obligation shall include the following addition of 4 more flues in Table 2.2.1 Emission Points to Air :					Table 2.2.1.2
		Release Point	Source	Total Thermal Rating MW _{th}	UTM Co-ordinates		
					x-coordinates	y-coordinates	
		Flue D6A	DPS 6 (Diesel Engines 1 & 2)	77	460,133	3,965,689	
		Flue D6B	DPS 6 (Diesel Engines 3 & 4)	77	460,133	3,965,689	
		Flue D6C	DPS 6 (Diesel Engines 5 & 6)	77	460,101	3,965,665	
		Flue D6D	DPS 6 (Diesel Engines 7 & 8)	77	460,101	3,965,665	
2	Associated activity of fuel handling and storage	Addition of new tank/s of 4x125m ³ HFO; 1 x 140m ³ DO and 1 x 40m ³ sludge storage. Associated fuel oil pipelines [details in Drawing C1.1 2970.C0.011.001]. Increase in HFO consumption of around 130,300 tonnes / year (2 shift operation 5000 hrs/yr); and 226,700 tonnes /yr (base load).					2.5.5
3	Associated activity of utilities	Increase of seawater for cooling [etc.] of approx. 14,000 m ³ /hour. With 60% increase in the use of pre-treatment chemicals. Addition of new tanks of 1x175m ³ lub oil storage; 1x lub oil drains; 2 x 125m ³ urea solution buffers.					2.5.3
4	Associated activity of storage, treatment and disposal/ recycling of waste materials	Generation of new wastes from the secondary measures / treatment processes to reduce SO _x & NO _x will require storage facilities for such wastes which will be disposed of abroad either by recycling or land filling.					2.8

Item No.	Change in Operation	Variation to IPPC permit	DPS IPPC Permit Ref. No.
5	Associated activity of maintenance	Generation of additional solid / liquid wastes from maintenance work on new plant which will have to be disposed of or recycled. (SCR catalyst replacement and filter bag replacement).	2.12
6	Emissions to Air – Release of Particulate Matter	The emission level for dust is 50 mg/Nm ³ at 15% O ₂ .	N/A
7	Emissions to Air – Release of Sulphur Dioxide	The emission level for SO ₂ is 120 mg/Nm ³ at 15% O ₂ .	N/A
8	Emissions to Air – Release of Nitrogen Oxides	The emission level for NO _x is 160 mg/Nm ³ at 15% O ₂ .	N/A
9	Emissions to Air – Release of Carbon Monoxide/ THC & VOCs	The emission level for CO/THC & VOCs is approximately 0.055% by volume.	N/A
10	Emissions to Marine Water	<i>No changes in outlets</i>	Table 2.5.1