

## PART-F Emission Unit

### *General Information:*

Emission Unit ID	Emission Unit Name	Emission Unit Type	New Emission Unit?	Installation Date	Description	Batch/Continuous Specification
EU0001	EU-SV FH01	Process Heater	Existing	04/01/2014	Heating of Residual Oil No 6 Tanks (HFO, Bunker Oil, Bitumen, FO150, FO180, LSFO180, FO380, HFF)	Continuous
EU0002	EU-SV FH02	Process Heater	Existing	04/01/2014	Heating of Residual oil No 6 Tanks (HFO, Bunker Oil, Bitumen, FO150, FO180, LSFO180, FO380, HFF) - Standby Unit	Continuous
EU0004	EU HTF1	Storage Tank	Existing	02/28/2002	Storage Tank Jet kerosene (Diesel, Marine Gas oil, Marine Diesel Oil, Industrial Paraffin, Ship slops, LCO, FO10, LO10)	Continuous
EU0005	EU HTF2	Storage Tank	Existing	02/28/2002	Storage Tank Jet kerosene(Diesel, Marine Gas oil, Marine Diesel Oil, Industrial Paraffin, Ship slops, LCO, FO10, LO10)	Continuous
EU0006	EU HTF3	Storage Tank	Existing	02/28/2002	Storage Tank Jet kerosene(Diesel, Marine Gas oil, Marine Diesel Oil, Industrial Paraffin, Ship slops, LCO, FO10, LO10)	Continuous
EU0007	EU HTF4	Storage Tank	Existing	02/28/2002	Storage Tank Jet kerosene(Diesel, Marine Gas oil, Marine Diesel Oil, Industrial Paraffin, Ship slops, LCO, FO10, LO10)	Continuous
EU0008	EU HTF5	Storage Tank	Existing	07/31/2012	Storage Tank Jet kerosene(Diesel, Marine Gas oil, Marine Diesel Oil, Industrial Paraffin, Ship slops, LCO, FO10, LO10)	Continuous
EU0009	EU HTF11	Storage Tank	Existing	04/01/2014	Storage Tank for Residual Oil No 6 (HFO, Bunker Oil, Bitumen, FO150, FO180, LSFO180, FO380, HFF)	Continuous

EU0010	EU HTF12	Storage Tank	Existing	04/01/2014	Storage Tank for Residual Oil No 6 (HFO, Bunker Oil, Bitumen, FO150, FO180, FO380, HFF) or Jet kerosene (Diesel, Marine Gas oil, Marine Diesel Oil, Industrial Paraffin, Ship slops, LCO, FO10, LO10)	Continuous
EU0011	EU HTF13	Storage Tank	Existing	04/01/2014	Storage Tank for Residual oil No 6 (HFO, Bunker Oil, Bitumen, FO150, FO180, LSFO180, FO380, HFF)	Continuous
EU0012	EU HTF14	Storage Tank	Existing	04/01/2014	Storage Tank for Residual Oil No 6 (HFO, Bunker Oil, Bitumen, FO150, FO180, FO380, HFF)	Continuous
EU0013	EU HTF15	Storage Tank	Existing	04/01/2014	Storage Tank Jet kerosene(Diesel, Marine Gas oil, Marine Diesel Oil, Industrial Paraffin, Ship slops, LCO, FO10, LO10)	Continuous
EU0014	EU HTF6	Storage Tank	Existing	01/31/1995	Storage Tank Residual Fuel Oil No. 6 (HFO, Bunker Oil, Bitumen, FO150, FO180, LSFO180, FO380, HFF) or Jet kerosene(Diesel, Marine Gas oil, Marine Diesel Oil, Industrial Paraffin, Ship slops, LCO, FO10, LO10).	Continuous
EU0015	EU HTF7	Storage Tank	Existing	01/31/1995	Storage Tank for Jet kerosene(Diesel, Marine Gas oil, Marine Diesel Oil, Industrial Paraffin, Ship slops, LCO, FO10, LO10) or Distillate Oil No 2 (Blended Fuels Oils, ISO80, IFO30).	Continuous
EU0016	EU HTF8	Storage Tank	Existing	01/31/1995	Storage Tank Residual Fuel Oil No. 6 (HFO, Bunker Oil, Bitumen, FO150, FO180, LSFO180, FO380, HFF) or Distillate Oil No 2 (Blended Fuels Oils, ISO80, IFO30).	Continuous
EU0017	EU HTF9	Storage Tank	Existing	01/31/1995	Storage Tank Jet kerosene(Diesel, Marine Gas oil, Marine Diesel Oil, Industrial Paraffin, Ship slops, LCO, FO10, LO10)	Continuous
EU0018	EU HTF10	Storage Tank	Existing	01/31/1995	Storage Tank Jet kerosene(Diesel, Marine Gas oil, Marine Diesel Oil, Industrial Paraffin, Ship slops, LCO, FO10, LO10)	Continuous
EU0024	EU HTF17	Storage Tank	New	10/31/2017	Storage Tank Residual Fuel Oil No. 6 (HFO, Bunker Oil, Bitumen, FO150, FO180, LSFO180, FO380, HFF) or Jet kerosene(Diesel, Marine Gas oil, Marine Diesel Oil, Industrial Paraffin, Ship slops, LCO, FO10, LO10).	Continuous

EU0025	EU HTF18	Storage Tank	New	10/31/2017	Storage Tank Residual Fuel Oil No. 6 (HFO, Bunker Oil, Bitumen, FO150, FO180, LSFO180, FO380, HFF) or Jet kerosene(Diesel, Marine Gas oil, Marine Diesel Oil, Industrial Paraffin, Ship slops, LCO, FO10, LO10) .	Continuous
EU0026	EU HTF19	Storage Tank	New	10/31/2017	Storage Tank Residual Fuel Oil No. 6 (HFO, Bunker Oil, Bitumen, FO150, FO180, LSFO180, FO380, HFF) or Distillate Oil No 2 (Blended Fuels Oils, ISO80, IFO30).	Continuous
EU0028	EU HTF20	Storage Tank	Existing		Storage Tank Jet kerosene(Diesel, Marine Gas oil, Marine Diesel Oil, Industrial Paraffin, Ship slops, LCO, LO10)	Continuous
EU0029	EU0029LB1	Unclassified	Existing	01/31/1990	Loading Bay/Offloading Bay No 1: Jet kerosene, Distillate Oil No 2 and Residual Oil No 6.	N/A
EU0030	EU0030LB2	Unclassified	Existing	01/31/1990	Loading Bay/Offloading Bay No 2: for Jet kerosene, Distillate Oil No 2 and Residual Oil No 6.	
EU0031	EU0031LB3	Unclassified	Existing	04/17/2001	Loading Bay/Offloading Bay No 3: for Jet kerosene, Distillate Oil No 2 and Residual Oil No 6.	
EU0032	EU0032LB4	Unclassified	Existing	04/17/2001	Loading Bay/Offloading Bay No 4: for Jet kerosene, Distillate Oil No 2 and Residual Oil No 6.	
EU0033	EU0033LB5	Unclassified	Existing	01/31/2000	Loading Bay/Offloading Bay No 5: for Jet kerosene, Distillate Oil No 2 and Residual Oil No 6.	

**Source Info:**

Emission Unit ID	Emission Unit Name	Area/Line Source	Length	Width	Angle of Rotation Relative for True North	Operation Time (Hour/Day)
EU0001	EU-SVFH01	N				
EU0002	EU-SVFH02	N				
EU0004	EU HTF1	Y	18.1	19.7		24
EU0005	EU HTF2	Y	18.1	19.7		24
EU0006	EU HTF3	Y	18.1	9.5		24
EU0007	EU HTF4	Y	16.4	11.4		24

EU0008	EU HTF5	Y	16.1	9.3		24
EU0009	EU HTF11	Y	17.9	13.2		24
EU0010	EU HTF12	Y	17.9	12.6		24
EU0011	EU HTF13	Y	17.9	13.3		24
EU0012	EU HTF14	Y	18.8	9.5		24
EU0013	EU HTF15	Y	9.6	5		24
EU0014	EU HTF6	Y	10.8	7.9		24
EU0015	EU HTF7	Y	10.8	7.9		24
EU0016	EU HTF8	Y	10.8	7.9		24
EU0017	EU HTF9	Y	9.7	11.4		24
EU0018	EU HTF10	Y	14.4	11.4		24
EU0024	EU HTF17	Y	14.8	14.9		
EU0025	EU HTF18	Y	14.8	14.9		
EU0026	EU HTF19	Y	10.7	7.9		
EU0028	EU HTF20	Y	0.54	2.3		
EU0029	EU0029LB1	Y	25	5.5		24
EU0030	EU0030LB2	Y	25	5.5		
EU0031	EU0031LB3	Y	25	4.5		
EU0032	EU0032LB4	Y	25	4.5		
EU0033	EU0033LB5	Y	22	3		

***Associated Control Device List:***

Emission Unit ID	Emission Unit Name	Control Device ID	Control Device Type	Commission Date
EU0004	EU HTF1	CD0002	Any Control Device	
EU0005	EU HTF2	CD0003	Any Control Device	
EU0006	EU HTF3	CD0005	Any Control Device	
EU0007	EU HTF4	CD0006	Any Control Device	
EU0008	EU HTF5	CD0007	Any Control Device	
EU0014	EU HTF6	CD0008	Any Control Device	

EU0017	EU HTF9	CD0009	Any Control Device	
EU0018	EU HTF10	CD0010	Any Control Device	

***Associated Stack List:***

Emission Unit ID	Emission Unit Name	Stack ID	Stack Orientation	Latitude	Longitude	Height
EU0001	EU-SVFH01	SV0001	Vertical	-33.910717	18.439797	9
EU0002	EU-SVFH02	SV0001	Vertical	-33.910717	18.439797	9