

EPA Application Form

7.4.2 - Emissions to Atmosphere - Minor and Potential Emissions - Attachment

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Organisation Name: *

Amazon Data Services Ireland Limited

Application I.D.: *

LA007494

Authorisation Application Form

Amendments to this Application Form Attachment

Version No.	Date	Amendment since previous version	Reason
V.1.0	July 2017	N/A	Online application form attachment
As above	Mar 2017	Identification of required fields	Assist consistent completion of attachment

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EMISSIONS TO ATMOSPHERE

Emissions to air/atmosphere include the following:

Main Emissions

Main emissions include all emissions of environmental significance. Where a **mass emission threshold** is specified in a BAT document (BAT Conclusions, National BAT note or BREF), emissions which exceed this threshold prior to abatement are regarded as significant, i.e., 'main emissions'. (In some cases emissions below the threshold can still be significant and qualify as Main Emissions).

Minor Emissions

Emissions below the mass emission threshold may be considered minor emissions and therefore do not generally need to be specifically controlled by the conditions or schedules of the licence (i.e., setting of ELVs, abatement control measures, or monitoring requirements). Emissions may also be deemed minor by virtue of their source/nature (e.g., laboratory fume hoods, workspace extractions, passive vents from storage tanks, HVAC exhausts), or composition (e.g., water vapour emissions).

For combustion plant such as boilers, these can be considered minor where the rated thermal input is < 1MW where natural gas is the main fuel, and for liquid and solid fuels where its < 250kW.

Fugitive Emissions

Fugitive emissions include emissions from non-point sources and diffuse sources.

Potential Emissions

These are emissions which only operate under abnormal process conditions. Typical examples include bursting discs, pressure relief valves, and emergency generators. Bypasses and flares may also fall within this category, depending on how they are operated or designed to operate. Although the Agency does not normally set controls in licences for potential emissions, it may do so for the purposes of environmental protection.

This attachment collects information on main and fugitive emissions to atmosphere. Waste gas means the final gaseous emission from a stack or abatement equipment.

For main and fugitive emissions to atmosphere, complete the separate '*Emissions to Atmosphere - Main and Fugitive Emissions*' attachment.

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EMISSIONS TO ATMOSPHERE - Minor Emissions - one row per emission point

In completing this attachment for minor emissions, the applicant should supply sufficient information to justify the determination of the emission as minor. Notwithstanding the guidance provided on minor emissions, the Agency may consider any emission to be significant (i.e., a main emission) on the basis of environmental impact.

Complete the table below with summary details for all minor emission points to atmosphere.

Emission Point Code ⁽¹⁾	Easting ⁽²⁾	Northing ⁽³⁾	Description of source of emission(s)	Emission details ⁽⁴⁾				Abatement system employed (if relevant)
				Parameter/Material	mg/Nm ³⁽⁵⁾	kg/h	kg/year	
A3-1	702,957	730,909	Emergency Generator 1 (Building A)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-2	702,957	730,909	Emergency Generator 2 (Building A)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-3	702,966	730,906	Emergency Generator 3 (Building A)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-4	702,967	730,906	Emergency Generator 4 (Building A)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-5	702,981	730,901	Emergency Generator 5 (Building A)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-6	702,981	730,901	Emergency Generator 6 (Building A)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-7	702,990	730,898	Emergency Generator 7 (Building A)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-8	702,991	730,898	Emergency Generator 8 (Building A)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A

⁽¹⁾ The following convention should be observed when labelling minor atmospheric emission points:
A-1, A-2, A-3,...etc.

⁽²⁾ Six Digit GPS Irish National Grid Reference.

⁽³⁾ Six Digit GPS Irish National Grid Reference.

⁽⁴⁾ The maximum emission should be stated for each parameter emitted; the concentration should be based on the maximum 30 minute mean and must be the **PRE-ABATEMENT** level.

⁽⁵⁾ Concentrations should be based on Normal conditions of temperature and pressure, (i.e. 0oC/101.3kPa). Wet/dry should be clearly stated. Include reference oxygen conditions for combustion sources.

* indicates required field

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Emission Point Code ⁽¹⁾	Easting ⁽²⁾	Northing ⁽³⁾	Description of source of emission(s)	Emission details ⁽⁴⁾				Abatement system employed (if relevant)
				Parameter/ Material	mg/Nm ³⁽⁵⁾	kg/h	kg/year	
A3-9	703,005	730,894	Emergency Generator 9 (Building A)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-10	703,005	730,893	Emergency Generator 10 (Building A)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-11	703,014	730,891	Emergency Generator 11 (Building A)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-12	703,015	730,890	Emergency Generator 12 (Building A)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-13	703,029	730,886	Emergency Generator 13 (Building A)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-14	703,029	730,886	Emergency Generator 14 (Building A)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-15	703,038	730,883	Emergency Generator 15 (Building A)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-16	703,039	730,883	Emergency Generator 16 (Building A)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-17	703,052	730,878	Emergency Generator 17 (Building A)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-18	703,053	730,878	Emergency Generator 18 (Building A)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-19	703,062	730,875	Emergency Generator 19 (Building A)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-20	703,063	730,875	Emergency Generator 20 (Building A)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-21	703,076	730,870	Emergency Generator 21 (Building A)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-22	703,077	730,870	Emergency Generator 22 (Building A)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-23	703,086	730,867	Emergency Generator 23 (Building A)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-24	703,086	730,867	Emergency Generator 24 (Building A)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A

* indicates required field

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Emission Point Code ⁽¹⁾	Easting ⁽²⁾	Northing ⁽³⁾	Description of source of emission(s)	Emission details ⁽⁴⁾				Abatement system employed (if relevant)
				Parameter/ Material	mg/Nm ³⁽⁵⁾	kg/h	kg/year	
A3-25	703,100	730,862	Emergency Generator 25 (Building A)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-26	703,101	730,862	Emergency Generator 26 (Building A)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-27	703,033	731,000	Emergency Generator 27 (Building B)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-28	703,039	730,998	Emergency Generator 28 (Building B)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-29	703,045	730,996	Emergency Generator 29 (Building B)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-30	703,051	730,994	Emergency Generator 30 (Building B)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-31	703,057	730,992	Emergency Generator 31 (Building B)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-32	703,063	730,991	Emergency Generator 32 (Building B)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-33	703,069	730,989	Emergency Generator 33 (Building B)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-34	703,075	730,987	Emergency Generator 34 (Building B)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-35	703,081	730,985	Emergency Generator 35 (Building B)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-36	703,087	730,983	Emergency Generator 36 (Building B)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-37	703,093	730,981	Emergency Generator 37 (Building B)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-38	703,099	730,979	Emergency Generator 38 (Building B)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-39	703,105	730,977	Emergency Generator 39 (Building B)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-40	703,111	730,975	Emergency Generator 40 (Building B)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A

* indicates required field

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Emission Point Code ⁽¹⁾	Easting ⁽²⁾	Northing ⁽³⁾	Description of source of emission(s)	Emission details ⁽⁴⁾				Abatement system employed (if relevant)
				Parameter/ Material	mg/Nm ³⁽⁵⁾	kg/h	kg/year	
A3-41	703,117	730,973	Emergency Generator 41 (Building B)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-42	703,123	730,971	Emergency Generator 42 (Building B)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-43	703,128	730,969	Emergency Generator 43 (Building B)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-44	703,134	730,967	Emergency Generator 44 (Building B)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-45	703,145	730,855	Emergency Generator 45 (Building C)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-46	703,146	730,855	Emergency Generator 46 (Building C)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-47	703,149	730,864	Emergency Generator 47 (Building C)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-48	703,149	730,865	Emergency Generator 48 (Building B)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-49	703,153	730,879	Emergency Generator 49 (Building B)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-50	703,154	730,879	Emergency Generator 50 (Building B)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-51	703,156	730,888	Emergency Generator 51 (Building B)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-52	703,157	730,889	Emergency Generator 52 (Building B)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-53	703,161	730,902	Emergency Generator 53 (Building B)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-54	703,161	730,903	Emergency Generator 54 (Building B)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-55	703,164	730,912	Emergency Generator 55 (Building C)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-56	703,164	730,913	Emergency Generator 56 (Building C)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A

* indicates required field



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Emission Point Code ⁽¹⁾	Easting ⁽²⁾	Northing ⁽³⁾	Description of source of emission(s)	Emission details ⁽⁴⁾				Abatement system employed (if relevant)
				Parameter/ Material	mg/Nm ³⁽⁵⁾	kg/h	kg/year	
A3-57	703,169	730,926	Emergency Generator 57 (Building C)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-58	703,169	730,927	Emergency Generator 58 (Building C)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-59	703,172	730,936	Emergency Generator 59 (Building C)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-60	703,172	730,937	Emergency Generator 60 (Building C)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-61	703,177	730,950	Emergency Generator 61 (Building C)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-62	703,177	730,951	Emergency Generator 62 (Building C)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-63	703,180	730,960	Emergency Generator 63 (Building C)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-64	703,180	730,960	Emergency Generator 64 (Building C)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-65	703,184	730,974	Emergency Generator 65 (Building C)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-66	703,185	730,975	Emergency Generator 66 (Building C)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-67	703,188	730,984	Emergency Generator 67 (Building C)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-68	703,188	730,984	Emergency Generator 68 (Building C)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-69	703,192	730,998	Emergency Generator 69 (Building C)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-70	703,193	730,999	Emergency Generator 70 (Building C)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-71	702,950	730,920	Emergency Backup Generator (3.03MWth) 1 (Building A)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A

* indicates required field

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Emission Point Code ⁽¹⁾	Easting ⁽²⁾	Northing ⁽³⁾	Description of source of emission(s)	Emission details ⁽⁴⁾			Abatement system employed (if relevant)	
				Parameter/ Material	mg/Nm ³⁽⁵⁾	kg/h		kg/year
A3-72	703,029	731,005	Emergency Backup Generator (3.03MWth) 2 (Building B)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-73	703,136	730,848	Emergency Backup Generator (3.03MWth) 3 (Building C)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-74	703,140	730,796	Diesel Powered Emergency Fire Sprinkler Pump 1 (Building A)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A
A3-75	703,148	730,794	Diesel Powered Emergency Fire Sprinkler Pump 2 (Building A)	NO _x , CO, SO ₂ , PM _{10/2.5}	No ELV	No ELV	No ELV	N/A

Note: Map(s)/drawing(s) uploaded under 'Site Plans' in Tab 3 of the application form should identify the emission and monitoring points.

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EMISSIONS TO ATMOSPHERE – Potential Emissions to Atmosphere

Potential emissions are emissions that are not active under normal operation and would include by-passes or pressure relief valves.

Complete the table below with summary details of all potential emissions to atmosphere

Emission Point Code ⁶	Description of source of emission	Malfunction which could cause an emission	Emission details (Potential max. emissions) ⁽⁷⁾		
			Parameter/Material	mg/Nm ³	kg/hour
House Generator					
A4-7	Diesel Storage Tank Breathing Vent 1 (Building A– 40m3 tank)	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-8	Diesel Storage Tank Breathing Vent 2 (Building B – 40m3 tank)	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-9	Diesel Top Up Tank Breathing Vent 3 (Building C – 40m3 tank)	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-10	Emergency Generator Diesel Belly Tank Breathing Vent 1	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-11	Emergency Generator Diesel Belly Tank Breathing Vent 2	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-12	Emergency Generator Diesel Belly Tank Breathing Vent 3	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-13	Emergency Generator Diesel Belly Tank Breathing Vent 4	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored

⁶ The following convention should be observed when labelling potential atmospheric emission points:

A4-1, A4-2, A4-3,...etc.

⁷ Estimate the potential maximum emission for each malfunction identified.

* indicates required field

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Emission Point Code ⁶	Description of source of emission	Malfunction which could cause an emission	Emission details (Potential max. emissions) ⁽⁷⁾		
			Parameter/Material	mg/Nm ³	kg/hour
A4-14	Emergency Generator Diesel Belly Tank Breathing Vent 5	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-15	Emergency Generator Diesel Belly Tank Breathing Vent 6	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-16	Emergency Generator Diesel Belly Tank Breathing Vent 7	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-17	Emergency Generator Diesel Belly Tank Breathing Vent 8	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-18	Emergency Generator Diesel Belly Tank Breathing Vent 9	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-19	Emergency Generator Diesel Belly Tank Breathing Vent 10	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-20	Emergency Generator Diesel Belly Tank Breathing Vent 11	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-21	Emergency Generator Diesel Belly Tank Breathing Vent 12	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-22	Emergency Generator Diesel Belly Tank Breathing Vent 13	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-23	Emergency Generator Diesel Belly Tank Breathing Vent 14	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored

* indicates required field

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Emission Point Code ⁶	Description of source of emission	Malfunction which could cause an emission	Emission details (Potential max. emissions) ⁽⁷⁾		
			Parameter/Material	mg/Nm ³	kg/hour
A4-24	Emergency Generator Diesel Belly Tank Breathing Vent 15	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-25	Emergency Generator Diesel Belly Tank Breathing Vent 16	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-26	Emergency Generator Diesel Belly Tank Breathing Vent 17	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-27	Emergency Generator Diesel Belly Tank Breathing Vent 18	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-28	Emergency Generator Diesel Belly Tank Breathing Vent 19	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-29	Emergency Generator Diesel Belly Tank Breathing Vent 20	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-30	Emergency Generator Diesel Belly Tank Breathing Vent 21	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-31	Emergency Generator Diesel Belly Tank Breathing Vent 22	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-32	Emergency Generator Diesel Belly Tank Breathing Vent 23	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-33	Emergency Generator Diesel Belly Tank Breathing Vent 24	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored

* indicates required field

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Emission Point Code ⁶	Description of source of emission	Malfunction which could cause an emission	Emission details (Potential max. emissions) ⁽⁷⁾		
			Parameter/Material	mg/Nm ³	kg/hour
A4-34	Emergency Generator Diesel Belly Tank Breathing Vent 25	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-35	Emergency Generator Diesel Belly Tank Breathing Vent 26	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-36	Emergency Generator Diesel Belly Tank Breathing Vent 27	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-37	Emergency Generator Diesel Belly Tank Breathing Vent 28	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-38	Emergency Generator Diesel Belly Tank Breathing Vent 29	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-39	Emergency Generator Diesel Belly Tank Breathing Vent 30	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-40	Emergency Generator Diesel Belly Tank Breathing Vent 31	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-41	Emergency Generator Diesel Belly Tank Breathing Vent 32	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-42	Emergency Generator Diesel Belly Tank Breathing Vent 33	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-43	Emergency Generator Diesel Belly Tank Breathing Vent 34	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored

* indicates required field

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Emission Point Code ⁶	Description of source of emission	Malfunction which could cause an emission	Emission details (Potential max. emissions) ⁽⁷⁾		
			Parameter/Material	mg/Nm ³	kg/hour
A4-44	Emergency Generator Diesel Belly Tank Breathing Vent 35	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-45	Emergency Generator Diesel Belly Tank Breathing Vent 36	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-46	Emergency Generator Diesel Belly Tank Breathing Vent 37	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-47	Emergency Generator Diesel Belly Tank Breathing Vent 38	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-48	Emergency Generator Diesel Belly Tank Breathing Vent 39	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-49	Emergency Generator Diesel Belly Tank Breathing Vent 40	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-50	Emergency Generator Diesel Belly Tank Breathing Vent 41	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-51	Emergency Generator Diesel Belly Tank Breathing Vent 42	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-52	Emergency Generator Diesel Belly Tank Breathing Vent 43	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-53	Emergency Generator Diesel Belly Tank Breathing Vent 44	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored

* indicates required field

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Emission Point Code ⁶	Description of source of emission	Malfunction which could cause an emission	Emission details (Potential max. emissions) ⁽⁷⁾		
			Parameter/Material	mg/Nm ³	kg/hour
A4-54	Emergency Generator Diesel Belly Tank Breathing Vent 45	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-55	Emergency Generator Diesel Belly Tank Breathing Vent 46	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-56	Emergency Generator Diesel Belly Tank Breathing Vent 47	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-57	Emergency Generator Diesel Belly Tank Breathing Vent 48	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-58	Emergency Generator Diesel Belly Tank Breathing Vent 49	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-59	Emergency Generator Diesel Belly Tank Breathing Vent 50	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-60	Emergency Generator Diesel Belly Tank Breathing Vent 51	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-61	Emergency Generator Diesel Belly Tank Breathing Vent 52	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-62	Emergency Generator Diesel Belly Tank Breathing Vent 53	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-63	Emergency Generator Diesel Belly Tank Breathing Vent 54	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored

* indicates required field

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Emission Point Code ⁶	Description of source of emission	Malfunction which could cause an emission	Emission details (Potential max. emissions) ⁽⁷⁾		
			Parameter/Material	mg/Nm ³	kg/hour
A4-64	Emergency Generator Diesel Belly Tank Breathing Vent 55	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-65	Emergency Generator Diesel Belly Tank Breathing Vent 56	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-66	Emergency Generator Diesel Belly Tank Breathing Vent 57	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-67	Emergency Generator Diesel Belly Tank Breathing Vent 58	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-68	Emergency Generator Diesel Belly Tank Breathing Vent 59	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-69	Emergency Generator Diesel Belly Tank Breathing Vent 60	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-70	Emergency Generator Diesel Belly Tank Breathing Vent 61	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-71	Emergency Generator Diesel Belly Tank Breathing Vent 62	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-72	Emergency Generator Diesel Belly Tank Breathing Vent 63	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-73	Emergency Generator Diesel Belly Tank Breathing Vent 64	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored

* indicates required field

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Emission Point Code ⁶	Description of source of emission	Malfunction which could cause an emission	Emission details (Potential max. emissions) ⁽⁷⁾		
			Parameter/Material	mg/Nm ³	kg/hour
A4-74	Emergency Generator Diesel Belly Tank Breathing Vent 65	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-75	Emergency Generator Diesel Belly Tank Breathing Vent 66	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-76	Emergency Generator Diesel Belly Tank Breathing Vent 67	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-77	Emergency Generator Diesel Belly Tank Breathing Vent 68	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-78	Emergency Generator Diesel Belly Tank Breathing Vent 69	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored
A4-79	Emergency Generator Diesel Belly Tank Breathing Vent 70	Storage tank over-pressurisation during emergency event (i.e. fire)	Diesel vapour (trace)	Not monitored	Not monitored

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