

Section B: Substance Emission Information

REPORTING PERIOD: Start Date: ___ / ___ / ___ End Date: ___ / ___ / ___

PART 1 : NPI THRESHOLD DETERMINATION

Category 1 Threshold

In the "Usage" column of Part 2 below, enter your usage of Cat 1 or 1a substances (those in the unshaded boxes) applicable to your operation. The thresholds for these are 10 tonnes/yr (Cat 1), except for Total Volatile Organic Compounds, which is 25 tonnes/yr (Cat 1a).

Note - Table 1 substances are listed in bold.

Category 2 Threshold

In the following table, enter quantity and type of fuel consumed in tonnes per year and the total of these amounts.

Fuel Type	Natural Gas	LPG	Distillate /diesel	Fuel Oil	Waste Oil	Briquettes	Brown Coal	Black Coal	Wood or Wood Waste	Bagasse	Other (please specify)	TOTAL
Annual Usage (t/yr)												

Emission Estimation Technique (EET) Codes	
EET codes	EET description
1	Mass balance
2	Engineering calculations
3	Direct measurement
4	Emission factors
5	Approved alternative EET

Q. a) Is one tonne or more of fuel burnt in any one hour during the reporting period ?

YES / NO

Q. b) Is the total fuel used in the table above in excess of 400 tonnes ?

YES / NO

If you answered yes to Q(a) or Q(b), you have tripped the Category 2a threshold and must report emissions of : Carbon monoxide, Fluoride compounds, Hydrochloric Acid, NO_x, PM₁₀, PAHs, SO₂, Total VOC.

Q. c) Is 60,000 Megawatt hours or more of energy consumed in the reporting period?

YES / NO

Q. d) Is the maximum potential power consumption of the facility rated at 20 megawatts or more ?

YES / NO

Q. e) Does the total fuel used exceed 2,000 tonnes ?

YES / NO

If you have answered yes to question Q(c), Q(d) or Q(e), you have tripped the Category 2b threshold and must report emissions of : Category 2a (listed above) substances, plus Arsenic, Beryllium, Cadmium, Chromium (III), Chromium (VI), Copper, Lead, Mercury, Nickel & their compounds, Magnesium oxide fume, Nickel carbonyl & Nickel subsulphide, Polychlorinated dioxins & furans.

Category 3 Threshold (Total N & Total P only)

If you emit to water 15 tonnes per year (or more) of Total Nitrogen, or 3 tonnes per year (or more) of Total Phosphorus, you are required to report this/ these emission(s) in the table below.

Please Circle

PART 2 : SUBSTANCE USAGE & EMISSIONS

You are required to report emissions of only those substances that have tripped a threshold. You are not required to report emissions for all substances on this list. Note: entries in the Usage column are to be in tonnes, but in the emissions column entries are to be in kilograms.

SUBSTANCE	CASR No	USAGE ¹ (t/yr)	EMISSIONS TO AIR (kg/yr)					EMISSIONS TO WATER (kg/yr)					EMISSIONS TO LAND (kg/yr)						
			From Stack or Point Sources		From fugitive or non-point sources			Total Emission	Total Emission	EET code(s)	Total Emission	EET code(s)							
			Amount	EET code(s)	Amount	EET code(s)	EET code(s)												
1 Acetaldehyde	75-07-0																		
2 Acetic acid (ethanoic acid)	64-19-7																		
3 Acetone	67-64-1																		
4 Acetonitrile	75-05-8																		
5 Acrylamide	79-06-1																		
6 Acrylic acid	79-10-7																		
7 Acrylonitrile (2-propenenitrile)	107-13-1																		
8 Ammonia (total)	N/A																		
9 Aniline (benzenamine)	62-53-3																		
10 Antimony & compounds	7440-36-0																		
11 Arsenic & compounds	7440-38-2																		

1. The NPI Threshold categories applicable for each substance can be found in Tables 1 & 2 of the National Pollutant Inventory Guide.

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12	Benzene	71-43-2		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
13	Benzene hexachloro- (HCB)	118-74-1		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
14	Beryllium & compounds	7440-41-7		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
15	Biphenyl (1,1-biphenyl)	92-52-4		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
16	Boron & compounds	7440-42-8		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
17	1,3- Butadiene (vinyl ethylene)	106-99-0		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
18	Cadmium & compounds	7440-43-9		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
19	Carbon disulphide	75-15-0		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
20	Carbon monoxide	630-08-0		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
21	Chlorine	7782-50-5		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
22	Chlorine dioxide	10049-04-4		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
23	Chloroethane (ethyl chloride)	75-00-3		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
24	Chloroform (trichloromethane)	67-66-3		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
25	Chlorophenols (di, tri, tetra)	N/A		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
26	Chromium(III) compounds	7440-47-3		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
27	Chromium(VI) compounds	7440-47-3		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
28	Cobalt & compounds	7440-48-4		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
29	Copper & compounds	7440-50-8		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
30	Cumene (1-methylethylbenzene)	98-82-8		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
31	Cyanide (inorganic) compounds	N/A		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
32	Cyclohexane	110-82-7		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
33	1,2-Dibromoethane	106-93-4		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
34	Dibutyl phthalate	84-74-2		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
35	1,2-Dichloroethane	107-06-2		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
36	Dichloromethane	75-09-2		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
37	Ethanol	64-17-5		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
38	2-Ethoxyethanol	110-80-5		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
39	2-Ethoxyethanol acetate	111-15-9		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
40	Ethyl acetate	141-78-6		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
41	Ethyl butyl ketone	106-35-4		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
42	Ethylbenzene	100-41-4		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
43	Ethylene glycol (1,2-ethanediol)	107-21-1		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
44	Ethylene oxide	75-21-8		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
45	Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5

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46	Fluoride compounds	N/A		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
47	Formaldehyde (methyl aldehyde)	50-00-0		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
48	Glutaraldehyde	111-30-8		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
49	n-Hexane	110-54-3		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
50	Hydrochloric acid	7647-01-0		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
51	Hydrogen sulphide	7783-06-4		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
52	Lead & compounds	7439-92-1		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
53	Magnesium oxide fume	1309-48-4		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
54	Manganese & compounds	7439-96-5		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
55	Mercury & compounds	7439-97-6		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
56	Methanol	67-56-1		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
57	2-Methoxyethanol	109-86-4		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
58	2-Methoxyethanol acetate	110-49-6		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
59	Methyl ethyl ketone	78-93-3		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
60	Methyl isobutyl ketone	108-10-1		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
61	Methyl methacrylate	80-62-6		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
62	4,4'-Methylene bis(2-chloraniline) (MOCA)	101-14-4		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
63	Methylene bis(phenylisocyanate)	101-68-8		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
64	Nickel & compounds	7440-02-0		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
65	Nickel carbonyl	13463-39-3		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
66	Nickel subsulphide	12035-72-2		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
67	Nitric acid	7697-37-2		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
68	Organo-tin compounds	N/A		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
69	Oxides of Nitrogen	N/A		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
70	Particulate Matter £ 10.0 um (PM₁₀)	N/A		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
71	Phenol	108-95-2		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
72	Phosphoric acid	7664-38-2		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
73	Polychlorinated dioxins and furans	N/A		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
74	Polycyclic aromatic hydrocarbons	N/A		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
75	Selenium & compounds	7782-49-2		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
76	Styrene (ethenylbenzene)	100-42-5		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
77	Sulphur dioxide	7446-09-5		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
78	Sulphuric acid	7664-93-9		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
79	1,1,2,2-Tetrachloroethane	79-34-5		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5

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80	Tetrachloroethylene	127-18-4			1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
81	Toluene (methylbenzene)	108-88-3			1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
82	Toluene-2,4-diisocyanate	584-84-9			1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
83	Total Nitrogen	N/A			1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
84	Total Phosphorus	N/A			1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
85	Total Volatile Organic Compounds (VOC)	N/A			1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
86	1,1,2-Trichloroethane	79-00-5			1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
87	Trichloroethylene	79-01-6			1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
88	Vinyl Chloride Monomer	75-01-4			1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
89	Xylenes (individual or mixed isomers)	1330-20-7			1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
90	Zinc and compounds	7440-66-6			1	2	3	4	5		1	2	3	4	5		1	2	3	4	5

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