

Portland
energy recovery
facility

Environmental statement
Addendum
Appendices

Powerfuel Portland Limited

Portland ERF

Updated Tables for Appendix D2 of the ES

1 Introduction

As part of the consultation response it was noted that there were typographical errors in tables 18, 19 and 22 in Appendix D2. The error noted in table 22 was the units for sulphur dioxide which were stated to be ng/m^3 whereas the concentration was presented as $\mu\text{g/m}^3$. No other changes are needed to this table so this has not been reproduced. However, for tables 19 and 22 there was an error in the calculation sheet and the PEC was incorrectly calculated when it was assumed that each metal is emitted as per the maximum monitored by the Environment Agency. These updated tables are provided in this document.

Updated Table 18: Long-Term metals results

Metal	AQAL	Background conc.	Metals emitted at combined metal limit				Metal as % of ELV ⁽¹⁾	Metals emitted no worse than a currently permitted facility			
			PC		PEC			PC		PEC	
			ng/m ³	as % AQAL	ng/m ³	as % AQAL		ng/m ³	as % AQAL	ng/m ³	as % AQAL
Arsenic	3	1.10	2.75	91.79%	3.85	128.45%	8.3%	0.23	7.65%	1.33	44.31%
Antimony	5,000	-	2.75	0.06%	-	-	3.8%	0.11	0.002%	-	-
Chromium	5,000	39.00	2.75	0.06%	41.75	0.84%	30.7%	0.84	0.02%	39.84	0.80%
Chromium (VI)	0.2	7.80	2.75	1376.8%	10.55	5276.8%	0.043%	0.00	0.60%	7.80	3901%
Cobalt	-	0.92	2.75	-	3.67	-	1.9%	0.05	-	0.97	-
Copper	10,000	33.00	2.75	0.03%	35.75	0.36%	9.7%	0.27	0.003%	33.27	0.33%
Lead	250	9.80	2.75	1.10%	12.55	5.02%	16.8%	0.46	0.18%	10.26	4.10%
Manganese	150	36.00	2.75	1.84%	38.75	25.84%	20.0%	0.55	0.37%	36.55	24.37%
Nickel	20	2.70	2.75	13.77%	5.45	27.27%	73.3%	2.02	10.10%	4.72	23.59%
Vanadium	5,000	1.70	2.75	0.06%	4.45	0.09%	2.0%	0.06	0.001%	1.76	0.04%

Notes:

(1) Metal as maximum percentage of the group 3 BAT-AEL, as detailed in Environment Agency metals guidance document (V.4) Table A1.

Updated Table 19: Short-Term metals results

Metal	AQAL	Background conc.	Metals emitted at combined metal limit				Metal as % of ELV ⁽¹⁾	Metals emitted no worse than a currently permitted facility			
			PC		PEC			PC		PEC	
			ng/m ³	ng/m ³	ng/m ³	as % AQAL		ng/m ³	as % AQAL	ng/m ³	as % AQAL
Arsenic	-	2.20	87.64	-	89.84	-	8.3%	7.30	-	9.50	-
Antimony	150,000	-	87.64	0.06%	-	-	3.8%	3.36	0.002%	-	-
Chromium	150,000	78.00	87.64	0.06%	165.64	0.11%	30.7%	26.88	0.02%	104.88	0.07%
Chromium (VI)	-	15.60	87.64	-	103.24	-	0.043%	0.04	-	15.65	-
Cobalt	-	1.84	87.64	-	89.48	-	1.9%	1.64	-	3.48	-
Copper	200,000	66.00	87.64	0.04%	153.64	0.08%	9.7%	8.47	0.004%	74.47	0.04%
Lead	-	19.60	87.64	-	107.24	-	16.8%	14.69	-	34.29	-
Manganese	1,500,000	72.00	87.64	0.01%	159.64	0.011%	20.0%	17.53	0.001%	89.53	0.006%
Nickel	-	5.40	87.64	-	93.04	-	73.3%	64.27	-	69.67	-
Vanadium	1,000	3.40	87.64	8.76%	91.04	9.10%	2.0%	1.75	0.18%	5.15	0.52%

Notes:

(1) Metal as maximum percentage of the group 3 BAT-AEL, as detailed in Environment Agency metals guidance document (V.4) Table A1.

