

2010 ENVIRONMENT SUMMARY

Table 1. Effluent Discharges

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD	2009	Permit
Flow	(ML/d)	76.9	80.6	79.0	76.5	76.6	78.5	76.4	60.2	73.1	73.6	72.4	80.3	75.3	70.7	106.5
BOD	(kg/d)	544	659	560	605	585	585	480	585	588	434	536	560	560	634	
	(kg/t)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	3.95
TSS	(kg/d)	2,176	1,654	1,909	1,961	1,987	1,987	2,657	2,991	3,367	1,876	2,834	2,873	2,356	1,784	
	(kg/t)	1.2	0.9	1.0	1.0	1.1	1.1	1.4	1.6	1.8	1.0	1.5	1.5	1.2	0.9	6.1
AOX	(kg/d)	190	290	242	318	224	224	250	147	210	251	255	285	241	231	
	(kg/t)	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.48
COD	(kg/d)	58,085	49,795	50,280	50,284	36,158	56,462	42,310		45,941	40,086	47,769	55,368	48,412	41,388	
	(kg/t)	30.8	26.4	26.7	26.7	19.2	30.0	22.4		24.4	21.3	25.3	29.4	25.7	21.4	
Effluent Trout	No.	1	1	1	1	1	1	1	1	1	2	1	1	13	12	
	Pass	1	1	1	1	1	1	1	1	1	2	1	1	13	12	100%
Effluent Daphnia	No.	4	4	5	4	4	5	4	5	4	4	5	4	52	51	
	Pass	4	4	5	4	4	5	4	5	4	4	5	4	52	51	
CWS Trout	No.	1	1	1	1	1	1	1	1	1	1	1	1	12	12	
	Pass	1	1	1	1	1	1	1	1	1	1	1	1	12	12	100%
CWS Daphnia	No.	1	1	1	1	1	1	1	1	1	1	1	1	12	12	
	Pass	1	1	1	1	1	1	1	1	1	1	1	1	12	12	

TSS, BOD, AOX and Flow are averages; Toxicities are totals

Table 2. Landfill Volumes (average cubic metres)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD	2009	%
Ash	1,102	1,384	1,209	1,706	1,657	1,287	1,979	1,618	1,511	2,466	2,954	3,119	1,833	3,566	37.7
Lime Mud/ Dregs/ Grits	1,249	1,362	1,290	1,156	3,055	1,300	588	1,331	1,146	1,084	1,755	1,311	1,386	1,789	28.5
Brown Fibre Rejects	182	223	330	566	285	409	429	186	244	314	442	533	345	719	7.1
Effluent Sludge	640	815	960	1,486	1,424	681	1,011	1,331	2,147	764	1,579	2,467	1,276	655	26.2
Other	0	0	0	0	0	0	10	155	0	114	0	0	23	85	0.5
Gravel	83	0	0	0	0	0	0	0	0	237	310	134	64	91	

Table 3. Landfill Volumes (total cubic metres)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD	Projected	2009
TOTAL (excl. gravel)	3,172	3,785	3,789	4,914	6,422	3,677	4,018	4,622	5,047	4,741	6,729	7,430	4,862	58,346	53,180

TARGET: <80,000 cubic metres/year PERMIT: <92,500 cubic metres/year

2010 ENVIRONMENT SUMMARY

Table 4. Air Emissions

			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD	2009	Permit
Power Boiler	PM	mg/m3	11	11		24			21			26			19	45	115***
	SO2	mg/m3	106	115	128	103	55	96	93	61	143	137	140	157	111	84	300
	NOx*	mg/m3	161	177	143	139	93	190	177	165	162	208	203	190	167	147	300
	NOx**	mg/m3	170	191	167	143	104	198	182	186	183	229	222	239	185	166	450
Recovery Boiler	TRS	mg/m3	0.5	0.4	0.4	0.2	0.2	0.2	0.6	0.7	0.3	0.1	0.1	0.4	0.3	0.5	5.0
	PM	mg/m3		28		23			22			41.1			29	52	150
Kiln	PM	mg/m3		20		21			32			24			24	28	100
Smelt Tk.	PM	mg/m3		90		109			122			109			108	121	200
Misc.	TRS	g/adut	0.6	0.6	3.1	9.5	18.2	16.1	17.3	4.2	15.6	4.0	13.6	5.7	9.0	12.2	110
CNCG	vent	min	0	1	0	0	0	46	0	25	152	0	2	27	253	666	
DNCG	vent	min	617	3,443	95	295	5,439	1,498	6,158	424	15,506	36	3,997	4,591	42,099	42,787	
Langdale	TRS	hrs>A	0	7	0	0	1	0	0	1	0	9	4	5	27	14	

* excluding time when >60 t/h steam from gas

**all time

12 month rolling average, single test not to be > 230

All data are averages, except NCG venting and hours >A Level, which are totals