12-31-04
12.3 8x.8

SEATTLE PLANT

12/31/04

	RECEIVED / PRODUCED DAY	MONTH	YEAR	USED / SHIPPED DAY	MONTH	YEAR	INVENTORY
RAW MATERIALS							
LIMESTONE		64,400	744,031	2,994	65,970	741,849	23,820
LIME FINES		0	1,790	0	0	1,790	0
BOTTOM ASH		1,182	38,079	0	1,639	39,416	537
CASTLE ROCK CLAY		0	356	0	0	356	0
PORT HARDY SILICA		15,189	106,042	627	12,743	99,500	6,542
JAMES HARDIE SILICA		341	7,520	91	341	7,520	150
ERI (RECYCLED)		6,086	31,050	177	6,104	31,103	100
JHBP CHIPS		0	255	0	0	255	0
COMINCO SLAG		0	21,966	0	0	22,350	0
HECKET SLAG		6,018	14,693	154	5,485	13,539	500
KLEEN BLAST SLAG		0	967	0	0	967	0
HYDRATED LIME		30	1,306	0	35	1,312	49
RAW MATERIAL SALES							
3/4" LIMESTONE SALES		14,301	213,017	0	15,331	209,266	8,319
BLAST FURNACE SLAG		402	1,429		0	797	631
KILN FEED							
TYPE I/II	4,042	89,085	926,339	3,304	89,159	931,340	4,428
FUELS (TONS)							
GAS (Tons)				0	51	589	
COAL (Tons)	0	8,944	76,793	282	7,171	72,515	9,069
TDF (Tons)				32	987	11,037	0
TDF Weight Percent				10.1%	12.0%	13.1%	
FUELS (NET HEAT VALS)	Fuel Usage Rate			Fuel Usage (MMBTU)			
GAS (MMBTU Net)	0.1%	1.2%	1.4%	4	2,214	25,798	
COAL (MMBTU Net)	87.7%	84.4%	82.9%	6,087	155,040	1,567,757	
TDF (MMBTU Net)	12.3%	14.4%	15.7%	853	26,539	296,675	
TOTAL (MMBTU Net)				6,943	183,793	1,890,229	
MMBTU/Ton				3.19	3.02	3.07	
CLINKER							
PRODUCTION	2,174	60,765	615,699	1,874	51,016	623,500	20,318
SALES / RECEIVALS	0	0	0	0	0	0	
CEMENT ADDITIVES							
GYPSUM	0	5,108	32,566	102	2,917	34,144	4,422
GRINDING AID (Lbs)	0	0	405,180	1,036	27,608	392,046	16,711
CEMENT							
TYPE I-II	1,936	50,601	632,462	234	42,511	643,135	62,368
TYPE III	0	2,269	24,119	0	1,412	27,182	1,003
TYPE CG	40	1,064	1,064	0	0	2,387	1,064
TOTAL PRODUCED	1,976	53,933	657,644	234	43,923	672,704	
TOTAL RECEIVED	0	0	0	0	0	0	
GRAND TOTAL	1,976	53,933	657,644	234	43,923	672,704	64,435

CHEMICAL ANALYSIS

30-Dec	Raw Mix	Clinker
TYPE	I	I
SiO2	14.94	21.63
Al2O3	2.76	4.64
Fe2O3	1.86	3.22
CaO	43.38	66.52
MgO	0.68	1.32
SO3	0.21	0.40
LOI	34.84	0.28
Na2O	0.06	0.04
K2O	0.07	0.08
TOTAL	98.60	98.32
FREE CaO		0.92
TOTAL ALK	0.16	0.09
C3S	63.24	67.98
C2S	16.10	11.34
C3A	6.39	6.85
C4AF	6.66	9.79

CEMENT 30-Dec	Mill #1	Mill #2
TYPE	I	I
SiO2	20.82	21.22
Al2O3	4.39	4.29
Fe2O3	3.22	3.20
CaO	64.94	65.00
MgO	1.20	1.14
SO3	2.59	2.68
LOI	0.99	1.02
Na2O	0.04	0.11
K2O	0.09	0.12
TOTAL	98.28	98.78
INSOL	0.13	0.13
FREE CaO	0.92	1.27
TOTAL ALK	0.10	0.19
C3S	64.59	62.24
C2S	11.03	13.95
C3A	6.16	5.95
C4AF	9.79	9.73
NC	24.1	24.7
VICAT - I	105	90
VICAT - F	220	195
BLAINE	392	368
45 uM	95.37	95.42
30 uM	89.72	90.86
FALSE SET	94	79
PACK SET	4	5
REFLECT	70.7	71.1

DAYS SINCE LAST LT - **528**

EQUIPMENT DATA	RUN TIME DAY	MONTH	YEAR	PRODUCTION RATE DAY	MONTH	YEAR	REASON FOR DOWNTIME
RAW MILL (TPH)	24.0	508.9	5267.2	182.5	175.1	175.9	
KILN (TPD)	24.0	651.6	6503.7	2173.9	2238.1	2272.0	
#1 FINISH MILL (TPH)	10.8	242.9	5934.5	48.7	58.8	51.5	Inventory
#2 FINISH MILL (TPH)	23.8	722.5	6990.3	61.0	54.9	50.3	Mil Overloaded

EQUIP. / HIGH LEVEL UTILIZATION	EQUIPMENT UTILIZATION DAY	MONTH	YEAR	HIGH LEVEL CONTROL UTIL. DAY	MONTH	YEAR
KILN / FUZZY	100.0%	87.6%	74.0%	100.00%	48.35%	15.83%
#1 FINISH MILL / INSITEC	44.9%	32.6%	67.6%	42.71%	87.63%	25.53%
#2 FINISH MILL / INSITEC	99.2%	97.1%	79.6%	97.61%	87.34%	57.08%

ENVIRONMENTAL DATA	TONS DAY	MONTH	YEAR	LBS/TON OF CLINKER DAY	MONTH	YEAR	YEAR LIMIT TONS	% OF LIMIT	CLINK PROD % OF BUDG.	% OF YEAR PASSED
SO2	0.00	8.10	125.8	0.00	0.27	0.41	176.0	71.47%	99.31%	100.27%
NOX	6.39	117.75	1,171.6	5.88	3.88	3.81	1,846.0	63.47%		
CO	4.38	126.76	1,190.0	4.03	4.17	3.87	2,353.0	50.57%		

USEPA SF
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