



**GROUP OF COMPANIES**

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January 31, 2012

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OHIO E.P.A.  
N.W.D.O.

Ms. Wendy Licht  
OEPA – NWDO  
347 N. Dunbridge Road  
Bowling Green, Ohio 43402-9398

RE: Erie Materials – Facility 0322020256  
Notice of Violation (NOV) dated December 19, 2011

Dear Ms. Licht:

This letter is in response to the above noted NOV. You directed us to submit “a compliance plan and a schedule for addressing the emission limit violations and bringing this unit *back into compliance*.” (emphasis added).

Our first comment is to say that this unit would never have had to be brought “*back into compliance*” if the OEPA had not forced Erie Materials to accept unreasonably low emission limits in connection with an enforcement action against our company. Not only was a severe financial penalty levied against us, our plant was forced to meet emission standards that are virtually unattainable.

The existing permit limits include a CO limit of .15 lb/ton of asphalt produced and a VOC limit of .10 lb/ton, apparently considered BAT by the OEPA. These limits were not included in the original permit, nor were they considered reasonable in 1996 when the plant was installed. To think this plant can achieve these limits is unreasonable.

There are three other factors we ask your agency to consider:

- Wet Conditions
- Economically Available Aggregate
- Typical Production Rates

**Weather** As you know the 2011 construction season was one of the wettest on record. In 2011 Ohio received the most rain during the month of April than in over 100 years; it was also the first April in Erie's history that it failed to produce asphalt. The summer was little better and by the beginning of August it was raining again.

The wet conditions were the primary cause of the poor stack test results. You will recall how the plant was "puffing" during the test. This was because the plant was running out of air sufficient to push the steam through the plant. Steam is much heavier than air and significantly stresses the plant. When this occurs there is inefficient and incomplete fuel combustion. What results are higher emission levels which are unavoidable under such conditions, and which are atypical at normal levels of production. But for a stack test, Erie would never push our plant this hard. Below you will find related information on Erie's typical production rates.

You should also recall that Erie had grave misgivings about conducting the test as scheduled. However, after discussions with you and Mr. Sattler, we decided to give it a go. Now we have an NOV to show for our good faith effort.

**Aggregate** The Supplemental BACT Analysis that Erie submitted, dated August 8, 2011, includes a detailed analysis of aggregate prices and sources in Erie's market region. A copy of this information is included with this letter for your convenience as attached Exhibit A. Hot mix producers in and around Erie County realistically have no alternative but to obtain its aggregate from Hanson's Parkertown quarry. Their stone represents the best, most economically viable aggregate available, not to mention Erie's contractual obligation to purchase their material. Unfortunately, and as I am sure you know, Hanson's stone is widely understood to contain an amount of hydrocarbons that may increase certain emission levels. This is another reason our emission limits should be re-evaluated and increased.

**Production** Also included with this letter are reports showing amounts of asphalt produced each day that Erie's Parkertown Plant produced hot mix asphalt in 2010 and 2011, along with the average hourly rates for each day. You will note that during the 2010 season the average rate of production was 236.09 and in 2011 it was 228.91 tons per hour. The plant exceeded 300 tph on only six (6) days in 2010 and only two (2) days in 2011, one of which was the date of the stack test.

The point is this: Erie's plant rarely runs at or near 400 tph and *never* runs at a level that is higher than the plant fan (air supply) can handle, *except for a stack test*. Although this may be required for an acceptable emission test it clearly does not represent the typical or normal emissions of this unit.

Ms. Wendy Licht  
January 27, 2012  
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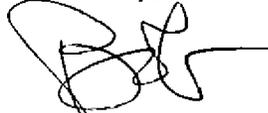
Summarizing the above, there are numerous reasons that Erie's latest stack test did not go well, most, if not all of which were beyond Erie's control. Primarily however, we believe the emissions limits on Erie's Parkertown Plant are too low and we reiterate the request made in our August 11, 2011 Supplemental BACT Analysis to increase these limits.

**Compliance Plan** The following actions have either been taken or will be done over the current winter shut down period and into the next paving season.

- Regrading the plant site to increase positive drainage away from stockpiles;
- Additional pavement (up to 1600 tons) installed at plant site, also to enhance drainage and reduce moisture;
- Erie has constructed four (4) large storage buildings in which to store aggregate, RAP and RAS, at a total cost of over \$500,000, to achieve better efficiency and cleaner performance;
- Complete run-through and maintenance of the entire plant, baghouse and all appurtenances to ensure optimum efficiency and clean performance. A copy of our Winter Maintenance Plan is enclosed.
- Burner Tuning at start of the 2012 paving. Erie has two (2) employees certified in burner tuning but will use an outside consultant if necessary to achieve optimum tuning.
- Erie is willing to discuss the option of "de-rating" the plant, a reduction of permitted production limits to something less than 400 tph. The only reason the plant is even rated at 400 tph is because it is capable of achieving such production in very dry, ideal periods like a good hot July and August. Generally however, the plant runs at 300 tph or less.

Thank you for your consideration of the above. We look forward to hearing from you.

Sincerely,



Robert P. Boehk

Enclosures

cc: Steven Feldmann, Esq.

## EXHIBIT A

### SUPPLEMENTAL BACT ANALYSIS – AGGREGATE INFO

#### II. BACT Analysis for Limestone Aggregates

Erie was also asked to provide information relative to alternate sources of limestone or the potential for blending different grades of limestone from its current aggregate supplier, Hanson Aggregates in Sandusky, Ohio. The concern is an elevated level of volatile organic compounds found in Hanson's stone.

The first issue that must be addressed is the contractual obligation that requires Erie to purchase Hanson aggregates in exchange for the lease to locate Erie's asphalt plant right on Hanson's property. This location eliminates a tremendous amount of trucking, which in turn reduces Erie's costs and emissions.

Erie is required to purchase *all* of its limestone from Hanson. A copy of the relevant contract provision is enclosed. The contract is clear that so long as Hanson can supply Erie's needs Erie must purchase Hanson's material.

This leaves Erie with three options (assuming Hanson can supply the material - which it has never failed to do in over 15 years). The Hanson options are: 1) Parkertown 8A's; 2) Parkertown 8C's; and 3) Wagner 8's.

One note here as to the differentiation between the two types of Parkertown No. 8 stone. 8A's are mined from a specific "bench" (i.e., shelf or vein in their quarry) which tested to be the hardest, least absorbent stone.<sup>1</sup> This is important to the asphalt manufacturer since it reduces the amount of liquid asphalt that is absorbed (and lost) into the stone. Minimum absorption is the objective since liquid asphalt binder is by far the most expensive ingredient in hot mix asphalt.

Therefore, the 8A's are "reserved" by Hanson for its asphalt customers. The 8C's on the other hand are reserved for their concrete customers. Wagner 8's are available to any customer.<sup>2</sup>

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<sup>1</sup> See below for discussion on absorption in regard to use of Lafarge Aggregate material as an alternate source of limestone.

<sup>2</sup> Historically, materials from Wagner Quarry, now a Hanson property, have been found to be high in hydrocarbons and therefore not the best for producing hot mix asphalt.

Erie sent samples of each of the three types of 8's to a lab to be tested for total organic compounds (OC) and total volatile organic compounds (VOC). As suspected, the 8A's and 8C's revealed the lowest OC and VOC, with very little difference between the two types of stone taken from the same quarry. Since the 8A's are the least absorbent however, they would be the preferred material for production of hot mix. Not surprisingly the Wagner material is higher in organics and is less suited for making asphalt pavement. A copy of the test results is included with this letter.

For purposes of this analysis and in order to thoroughly evaluate alternate sources of aggregate we looked into obtaining limestone elsewhere. Assuming Erie was permitted to purchase aggregate from another supplier, the closest source would be Lafarge Aggregate in Marblehead, Ohio.

A comparative cost analysis for No. 8 stone follows (all costs are "per ton"):

	<u>Hanson</u>	<u>Lafarge</u>
Cost of Material per ton	\$9.65	\$7.85
Cost of Trucking per ton	<u>0.75</u>	<u>6.25</u>
Sub Total	\$10.40	\$14.10
Add cost of Absorption	<u>11.33*</u>	<u>21.72*</u>
<b>Total Adjusted Cost</b>	<b>\$21.73</b>	<b>\$35.82</b>

	Hanson	Lafarge
Absorption Factor <sup>3</sup>	2.06%	3.95%
Liquid Asphalt Price	\$550/ton	\$550/ton
	<u>x .0206</u>	<u>x .0395</u>
	\$11.33/ton	\$21.72/ton
Cost of Material Adjusted for Absorption	\$21.73	\$35.82

The raw material cost increase to Erie using this alternative limestone source is nearly 65%! No. 8 stone represents 50% of our hot mix asphalt ingredients. The cost increase is therefore one-half the actual cost, but still a whopping 32.5% cost increase. This is obviously economically impractical.

We performed similar analyses using other local limestone sources all with similar, unacceptable increases in cost.

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<sup>3</sup> Absorption is measured in terms of percentage of liquid binder absorbed into the stone, and thus lost and of no benefit. The objective is 0% absorption where 100% of the binder is available to coat and bind the aggregate together in order to produce a thoroughly covered and cohesive material.

PARKERTOWN  
2010 PLANT RUN TIME

PLANT RUN TIME		PLANT IDLE TIME		TOTAL TONS	TONS PER HR
DATE	HOURS	DATE	HOURS		
4/19	0.75	4/19	6.50	132.26	176.35
4/20	0.75	4/20	7.25	108.13	144.17
4/22	1.00	4/22	6.25	169.53	169.53
4/23	1.00	4/23	6.00	158.90	158.90
4/27	1.75	4/27	6.00	319.74	182.71
4/28	3.50	4/28	5.25	672.01	192.00
4/29	10.90	4/29	8.00	1937.18	177.72
4/30	6.00	4/30	10.00	1172.90	195.48
5/3	1.00	5/3	6.00	149.95	149.95
5/4	2.75	5/4	8.25	519.40	188.87
5/5	6.00	5/5	7.25	1192.40	198.73
5/6	1.50	5/6	7.00	266.99	177.99
5/7	6.00	5/7	5.00	1203.11	200.52
5/10	1.50	5/10	10.50	249.50	166.33
5/11	3.00	5/11	14.50	634.66	211.55
5/12	2.00	5/12	7.50	336.23	168.12
5/13	3.00	5/13	10.00	600.57	200.19
5/14	2.25	5/14	4.00	414.24	184.11
5/15	6.25	5/15	0.25	1443.47	230.96
5/18	2.00	5/18	3.50	408.18	204.09
5/20	10.25	5/20	6.25	2131.12	207.91
5/21	6.75	5/21	4.50	1713.78	253.89
5/24	4.00	5/24	12.25	1054.93	263.73
5/25	10.75	5/25	5.00	2350.39	218.64
5/26	0.25	5/26	20.00	47.20	188.80
5/27	9.75	5/27	6.50	2572.86	263.88
5/28	2.75	5/28	7.50	544.62	198.04
6/2	8.75	6/2	8.50	1971.51	225.32
6/3	10.75	6/3	5.75	2477.57	230.47
6/7	10.25	6/7	6.25	2538.34	247.64
6/8	4.50	6/8	9.00	1039.75	231.06
6/10	11.50	6/10	6.50	2953.43	256.82
6/11	6.50	6/11	8.00	1231.12	189.40
6/14	5.00	6/14	4.50	1639.26	327.85
6/15	2.00	6/15	7.00	386.65	193.33
6/16	2.75	6/16	7.75	529.41	192.51
6/17	10.00	6/17	6.50	2514.47	251.45
6/18	7.50	6/18	9.00	1630.73	217.43
6/21	6.50	6/21	6.50	1550.11	238.48
6/22	4.75	6/22	5.00	1090.38	229.55
6/23	2.75	6/23	6.00	550.26	200.09
6/24	2.75	6/24	4.75	507.85	184.67
6/25	5.00	6/25	6.00	1044.62	208.92
6/28	4.00	6/28	6.00	802.91	200.73
6/29	6.50	6/29	3.50	1242.97	191.23
6/30	5.00	6/30	4.50	1009.05	201.81
7/2	2.75	7/2	6.50	518.75	188.64
7/6	10.25	7/6	1.00	2692.05	262.64
7/7	8.50	7/7	1.75	2231.17	262.49

PARKERTOWN  
2010 PLANT RUN TIME

PLANT RUN TIME		PLANT IDLE TIME		TOTAL	TONS
DATE	HOURS	DATE	HOURS	TONS	PER HR
7/8	10.50	7/8	1.00	2844.84	270.94
7/12	8.00	7/12	0.50	2114.03	264.25
7/13	8.00	7/13	2.00	1875.90	234.49
7/14	5.75	7/14	6.75	1173.59	204.10
7/15	11.25	7/15	2.00	2501.07	222.32
7/16	7.50	7/16	2.75	1627.09	216.95
7/19	11.25	7/19	1.25	3240.17	288.02
7/20	10.25	7/20	1.25	3326.14	324.50
7/21	7.75	7/21	2.25	2443.26	315.26
7/22	9.75	7/22	1.50	2362.48	242.31
7/23	1.00	7/23	5.50	188.94	188.94
7/26	11.00	7/26	1.00	3164.11	287.65
7/27	6.50	7/27	3.50	1505.01	231.54
7/28	9.00	7/28	1.00	2800.08	311.12
7/29	6.00	7/29	3.50	1602.44	267.07
7/30	2.25	7/30	5.50	491.45	218.42
8/2	8.50	8/2	3.00	1782.75	209.74
8/3	2.00	8/3	5.50	372.49	186.25
8/4	6.25	8/4	3.50	1378.90	220.62
8/5	3.00	8/5	5.25	637.46	212.49
8/6	7.75	8/6	4.50	1646.47	212.45
8/9	9.00	8/9	2.50	2000.84	222.32
8/10	11.00	8/10	1.25	2497.49	227.04
8/11	6.00	8/11	2.75	1391.15	231.86
8/12	5.50	8/12	4.75	1225.04	222.73
8/16	7.00	8/16	2.75	1607.52	229.65
8/17	10.00	8/17	0.50	2583.87	258.39
8/18	4.50	8/18	5.75	968.25	215.17
8/19	4.00	8/19	4.50	835.01	208.75
8/20	0.50	8/20	5.00	81.06	162.12
8/23	5.75	8/23	4.00	1220.01	212.18
8/24	3.75	8/24	3.50	744.36	198.50
8/25	6.25	8/25	1.75	2475.83	396.13
8/26	11.00	8/26	2.50	2716.77	246.98
8/27	8.00	8/27	2.25	1855.28	231.91
8/30	11.00	8/30	0.50	3598.96	327.18
8/31	8.75	8/31	1.50	2309.08	263.89
9/1	6.00	9/1	5.00	1330.19	221.70
9/2	3.75	9/2	6.00	767.68	204.71
9/7	4.75	9/7	4.75	984.84	207.33
9/8	4.75	9/8	5.50	1041.80	219.33
9/10	6.75	9/10	4.00	1405.03	208.15
9/13	7.75	9/13	3.50	1719.32	221.85
9/14	6.50	9/14	4.25	1459.60	224.55
9/15	8.75	9/15	2.25	2211.26	252.72
9/17	7.75	9/17	2.50	2112.68	272.60
9/20	8.25	9/20	2.00	2104.50	255.09
9/21	7.50	9/21	5.00	1873.73	249.83
9/22	2.50	9/22	4.25	542.92	217.17
9/23	8.50	9/23	2.75	1919.75	225.85

PARKERTOWN  
2010 PLANT RUN TIME

PLANT RUN TIME		PLANT IDLE TIME		TOTAL	TONS
DATE	HOURS	DATE	HOURS	TONS	PER HR
9/24	5.75	9/24	3.50	1299.17	225.94
9/29	10.50	9/29	0.50	2765.29	263.36
9/30	7.75	9/30	4.00	1872.11	241.56
10/1	9.00	10/1	2.25	2242.47	249.16
10/5	1.00	10/5	1.50	192.90	192.90
10/6	8.00	10/6	3.00	1844.45	230.56
10/7	10.25	10/7	1.50	2321.38	226.48
10/8	9.75	10/8	1.25	2676.71	274.53
10/12	8.50	10/12	2.00	1853.65	218.08
10/13	10.00	10/13	1.50	2764.10	276.41
10/14	5.25	10/14	5.25	1098.45	209.23
10/25	4.75	10/25	5.00	1131.87	238.29
10/26	3.00	10/26	2.75	642.36	214.12
10/27	10.50	10/27	0.75	2074.62	197.58
10/28	9.50	10/28	0.50	2488.91	261.99
10/29	5.75	10/29	4.00	1245.95	216.69
11/1	8.50	11/1	2.00	2158.40	253.93
11/2	3.50	11/2	2.25	640.76	183.07
11/3	9.00	11/3	1.50	1968.79	218.75
11/4	9.25	11/4	2.00	1969.09	212.87
11/8	9.00	11/8	2.00	2208.51	245.39
11/9	9.50	11/9	2.00	2183.26	229.82
11/10	7.00	11/10	3.25	1644.95	234.99
11/11	7.00	11/11	5.50	1609.42	229.92
11/12	7.25	11/12	2.00	1661.28	229.14
11/13	4.00	11/13	3.00	882.06	220.52
11/15	3.00	11/15	6.25	628.19	209.40
11/16	5.00	11/16	4.50	1228.72	245.74
11/17	4.50	11/17	2.00	994.83	221.07
11/18	4.50	11/18	1.50	1004.59	223.24
11/19	1.50	11/19	3.00	314.29	209.53
11/23	5.75	11/23	3.00	1155.59	200.97
11/24	4.50	11/24	4.25	912.48	202.77
11/29	6.25	11/29	5.00	1342.73	214.84
12/2	3.75	12/2	5.00	807.10	215.23
12/3	0.50	12/3	1.00	75.89	151.78

826.90 total run-time hours ran for the year

195224.42 Total Tons for Year

236.09 tons produced per hour as an annual average

PARKERTOWN  
2011 PLANT RUN TIME

PLANT RUN TIME		PLANT IDLE TIME		TOTAL	TONS
DATE	HOURS	DATE	HOURS	TONS	PER HR
4/26	1.25	4/26	5.25	211.72	169.38
4/29	5.75	4/29	4.75	1094.75	190.39
5/2	4.50	5/2	4.75	898.42	199.65
5/4	3.25	5/4	7.00	566.92	174.44
5/5	5.50	5/5	4.25	1094.91	199.07
5/6	5.00	5/6	3.75	1055.7	211.14
5/9	4.25	5/9	5.25	766.12	180.26
5/10	5.25	5/10	4.00	1041.08	198.30
5/11	5.75	5/11	4.75	1168.3	203.18
5/12	5.00	5/12	2.50	1035.5	207.10
5/13	8.50	5/13	3.50	1718.65	202.19
5/19	7.50	5/19	2.00	1462.52	195.00
5/20	8.50	5/20	2.75	1758.76	206.91
5/23	5.50	5/23	7.00	1080.13	196.39
5/24	7.00	5/24	4.50	1506.41	215.20
5/25	7.50	5/25	3.00	1789.85	238.65
5/26	3.00	5/26	4.25	546.2	182.07
5/27	1.75	5/27	5.75	291.95	166.83
5/31	7.00	5/31	4.00	1515.77	216.54
6/1	7.75	6/1	3.50	1732.74	223.58
6/2	10.25	6/2	0.50	2545.43	248.33
6/3	6.50	6/3	2.50	1404.74	216.11
6/6	9.00	6/6	1.75	2114.01	234.89
6/7	7.50	6/7	2.75	1522.97	203.06
6/8	8.50	6/8	2.00	2262.19	266.14
6/9	6.75	6/9	3.00	1577.79	233.75
6/10	2.75	6/10	1.00	588.61	214.04
6/13	7.50	6/13	3.00	1643.69	219.16
6/14	9.00	6/14	3.00	1975.14	219.46
6/15	4.75	6/15	4.25	888.62	187.08
6/16	7.75	6/16	1.00	1965.99	253.68
6/17	1.00	6/17	5.25	136.34	136.34
6/20	5.75	6/20	3.25	1191.05	207.14
6/21	6.00	6/21	6.25	1158.31	193.05
6/22	4.00	6/22	5.50	724.09	181.02
6/23	9.00	6/23	4.50	1815.65	201.74
6/24	1.50	6/24	6.50	282.23	188.15
6/27	5.00	6/27	4.25	909.81	181.96
6/28	7.00	6/28	2.75	1511.72	215.96
6/29	3.00	6/29	6.00	616.51	205.50
6/30	4.75	6/30	7.00	881.64	185.61
7/1	1.50	7/1	5.50	254.38	169.59
7/5	4.50	7/5	5.25	776.33	172.52
7/6	6.50	7/6	4.00	1272.7	195.80
7/7	3.25	7/7	7.75	633.68	194.98
7/8	3.50	7/8	5.00	660.93	188.84

PARKERTOWN  
2011 PLANT RUN TIME

PLANT RUN TIME		PLANT IDLE TIME		TOTAL	TONS
DATE	HOURS	DATE	HOURS	TONS	PER HR
7/11	3.75	7/11	3.75	636.85	169.83
7/12	4.25	7/12	4.50	771.64	181.56
7/13	5.00	7/13	5.25	1077.94	215.59
7/14	10.50	7/14	2.25	2625.08	250.01
7/15	10.75	7/15	2.00	2503.29	232.86
7/18	6.75	7/18	3.25	1588.58	235.35
7/19	3.75	7/19	6.00	694.31	185.15
7/20	8.75	7/20	3.25	1911.92	218.51
7/21	4.50	7/21	4.25	919.05	204.23
7/25	9.00	7/25	2.00	2920.86	324.54
7/26	10.50	7/26	3.00	2568.22	244.59
7/27	7.50	7/27	4.25	1799.55	239.94
7/28	8.75	7/28	2.25	2098.28	239.80
8/1	9.00	8/1	3.25	2248.81	249.87
8/2	6.00	8/2	4.50	1204.44	200.74
8/3	2.75	8/3	8.25	508.77	185.01
8/4	7.00	8/4	4.50	1602.79	228.97
8/5	3.00	8/5	5.50	575.34	191.78
8/8	6.00	8/8	4.50	1268.67	211.45
8/9	2.00	8/9	7.50	369.53	184.77
8/10	1.50	8/10	7.25	268.76	179.17
8/11	3.00	8/11	7.00	577.35	192.45
8/12	1.50	8/12	5.25	253.27	168.85
8/15	3.75	8/15	7.50	746.92	199.18
8/16	8.25	8/16	2.75	1816.68	220.20
8/17	10.75	8/17	2.00	2969.41	276.22
8/18	11.75	8/18	3.00	3221.47	274.17
8/19	5.50	8/19	3.50	1307.91	237.80
8/22	5.50	8/22	2.50	1330.92	241.99
8/23	9.00	8/23	2.50	1905.78	211.75
8/24	9.50	8/24	1.75	2458.73	258.81
8/25	6.50	8/25	2.75	1380.25	212.35
8/26	4.00	8/26	6.50	860.19	215.05
8/29	7.75	8/29	3.00	1723.56	222.39
8/30	7.00	8/30	6.25	1451.72	207.39
8/31	8.00	8/31	3.00	1719.15	214.89
9/1	9.25	9/1	1.25	2033.25	219.81
9/2	3.75	9/2	5.50	818.02	218.14
9/6	7.75	9/6	4.50	1749.44	225.73
9/7	3.75	9/7	1.50	743.68	198.31
9/9	1.50	9/9	6.00	311.66	207.77
9/12	6.50	9/12	5.00	1535.85	236.28
9/13	8.50	9/13	2.00	2647.88	311.52
9/14	4.75	9/14	5.00	887.9	186.93
9/15	2.00	9/15	8.00	383.76	191.88
9/16	3.50	9/16	8.00	712.11	203.46
9/20	4.50	9/20	4.75	883.61	196.36

PARKERTOWN  
2011 PLANT RUN TIME

PLANT RUN TIME		PLANT IDLE TIME		TOTAL	TONS
DATE	HOURS	DATE	HOURS	TONS	PER HR
9/21	1.50	9/21	6.75	265.21	176.81
9/22	8.25	9/22	5.75	1740.17	210.93
9/24	7.25	9/24	1.50	1518.98	209.51
9/27	9.75	9/27	1.00	2280.71	233.92
9/29	8.00	9/29	1.50	1806.78	225.85
9/30	4.50	9/30	3.00	790.03	175.56
10/3	3.50	10/3	3.00	656.94	187.70
10/4	9.00	10/4	1.50	2321.1	257.90
10/5	9.50	10/5	2.25	1764.31	185.72
10/6	9.00	10/6	3.25	1895.62	210.62
10/7	6.50	10/7	4.00	1350.46	207.76
10/8	13.00	10/8	0.50	3489.77	268.44
10/10	11.75	10/10	0.50	3277	278.89
10/11	12.00	10/11	1.00	3307.79	275.65
10/13	11.50	10/13	1.00	2911.96	253.21
10/14	10.50	10/14	1.25	2795.09	266.20
10/15	8.25	10/15	2.50	1966.26	238.33
10/17	9.50	10/17	3.75	1902.33	200.25
10/18	8.75	10/18	2.00	1804.24	206.20
10/20	0.50	10/20	1.50	64.3	128.60
10/21	9.25	10/21	1.50	2346.02	253.62
10/22	6.00	10/22	2.75	1292.33	215.39
10/24	9.00	10/24	1.75	1701.96	189.11
10/25	14.00	10/25	0.75	3554.59	253.90
10/26	9.50	10/26	1.50	2456.85	258.62
10/28	11.50	10/28	0.75	2774.81	241.29
10/29	11.25	10/29	0.75	2849.06	253.25
10/31	3.75	10/31	4.50	817.51	218.00
11/1	12.25	11/1	0.50	3262.31	266.31
11/2	11.75	11/2	1.25	2966.11	252.43
11/3	10.75	11/3	1.25	2739.13	254.80
11/4	13.50	11/4	1.00	3377.18	250.16
11/5	6.00	11/5	5.00	1211.43	201.91
11/7	9.00	11/7	3.25	2095.04	232.78
11/8	10.50	11/8	1.00	2416.9	230.18
11/9	4.50	11/9	3.00	909.11	202.02
11/10	8.50	11/10	2.25	1755.01	206.47
11/11	7.00	11/11	3.75	1498.52	214.07
11/12	6.00	11/12	4.00	1247.78	207.96
11/14	9.75	11/14	2.00	2039.89	209.22
11/15	7.50	11/15	3.50	1591.29	212.17
11/16	5.25	11/16	6.25	1051.98	200.38
11/17	3.75	11/17	4.00	734.17	195.78
11/18	6.75	11/18	5.00	1506.03	223.12
11/19	8.50	11/19	1.50	1905.77	224.21
11/21	7.25	11/21	4.50	1489.86	205.50
11/22	4.25	11/22	2.75	869.18	204.51

PARKERTOWN  
2011 PLANT RUN TIME

PLANT RUN TIME		PLANT IDLE TIME		TOTAL	TONS
DATE	HOURS	DATE	HOURS	TONS	PER HR
11/25	13.25	11/25	3.75	3112.31	234.89
11/26	9.50	11/26	3.00	2520.32	265.30
12/1	5.50	12/1	2.50	1054.88	191.80
12/2	2.75	12/2	5.50	496.26	180.46
12/7	2.50	12/7	3.75	472.23	188.89
	967.50			218268.97	
				228.91	

Robert Boehk

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Subject: FW: Plant Maintenance

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**From:** Dave Misinec  
**Sent:** Friday, December 23, 2011 1:19 PM  
**To:** Dean Wikel; Larren Wikel  
**Subject:** Plant Maintenance

**Winter Plant Maintenance**

- Insulate hot oil lines
- RAP Bin 3 & 4 not working
- Bearings on Drag
- Bearings on cross conveyors
- Bearings on batchers
- Check Drag chain for wear
- Check cross conveyor paddles and chains for wear
- Fix small hot oil line on drag
- Pugmill shaft & bearing
- Knockout box repairs
- Adjust/fix paddles in mixing chamber
- Replace flights in drum
- Wear plates in recycle chute (drum)
- Check virgin chute & wear plate
- Gearbox on cross #2
- Exhaust fan control panel
- Blue smoke fan
- Warm mix system (VFD)
- Heat recovery system controls
- Water hydrant handle
- Wear plate coming out of drum
- Check silo cone liners
- Change gearbox oils
- Rubber on virgin screen deck
- Clean under scales
- Replace belt splices
- RAP Scale belt
- Coupling on RAP collector conveyor
- Cylinders on batcher #1 & under silo #2
- Repair kits for solenoids
- Northeast window in control house
- Check bins for wear
- Repair ladder on baghouse