

CN: 15279

Mr. Edwin L. Pupka
Senior Enforcement Manager
Office of Engineering and Compliance
South Coast Air Quality Management District
21865 Copley Drive
Diamond Bar, CA 91765

**PROJECT: EXIDE TECHNOLOGIES FACILITY ID NO. 124868,
ORDER OF ABATEMENT CASE NO. 3151-32**
RE: WEEKLY STATUS REPORT # 1 (09/10/14 – 09/17/14)

Dear Mr. Pupka,

Tetra Tech Inc. is pleased to present the following Weekly Status Report for the above referenced project. This report covers the period of September 10, 2014 through September 17, 2014. .

CURRENT ACTIVITIES WHERE PREVIOUSLY APPROVED MITIGATION MEASURES WERE FULLY IMPLEMENTED

Major items of work performed by Exide and/or its contractor(s) (including specific mitigation measures) currently under way or completed during this reporting period where mitigation measures were implemented in full compliance with the previously approved mitigation measures under the Mitigation Plan for Construction of Risk Reduction Measures, RCRA RFI Sampling, and Other Plant Activities or other Mitigation Plans, as approved by the SCAQMD, at the site during this period include:

TASK ID	Major Work Item	Mitigation Measure(s)
EX 35	Sand Filter Tank Repairs	Temporary Enclosure Under Negative Pressure
EX 38	Sump No. 6 – RMPS Basement Sump	Clean Area Prior to Commencing Work
5c	Reverb A-Pipe Repairs	Clean Surface, Verify Lead Free
5e	North Oxidation Tank 24 Repairs	Temporary Enclosure Installation

Sand Filter Tank Repairs at the Wastewater Treatment Plant:

Castlerock Environmental began installation of the temporary enclosure on Wednesday September 10, 2014 and completed installation on Thursday September 11, 2014.

Tetra Tech BAS, Inc.

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Exide maintenance personnel began repairs to the sand filter tanks within the temporary enclosure maintained under negative air on Friday, September 12, 2014 and these activities continued through the end of this reporting period (Wednesday, September 17, 2014). Repair activities occurred between the hours of 5:00 am and 3:30 pm and included welding and seal replacement.

Tetra Tech personnel witnessed the enclosure construction and repair activities, confirmed that negative pressure was maintained on the temporary enclosure and confirmed compliance with the Mitigation Plan. Verification activities included:

- Observation of the temporary enclosure installation, and verification that the HEPA filtration unit was permitted by SCAQMD.
- Conducted continuous Dust Trak monitoring for fugitive dust upwind and downwind of the repair area while repair activities occurred.
- Confirmed negative pressure was maintained by checking the gauge on the temporary enclosure routinely while repair activities were ongoing.
- Visually inspected the enclosure prior to the start of each shift to confirm that it was in good condition and that it was under negative pressure.

Sump No. 6 – RMPS Basement Sump:

Exide maintenance personnel completed the activities to reinstall a pump in sump no. 6 located in the RMPS basement on September 10 and 11, 2014. Exide personnel pressure washed the area where the pump was to be installed on September 10 and again on September 11. Following pressure washing on September 11, 2014 Exide maintenance personnel drilled new holes and mounted the pump.

Sump No. 6 is located within the total enclosure buildings that are maintained under negative pressure so no temporary enclosure was required for this activity. Tetra Tech personnel witnessed the installation and confirmed compliance with the Mitigation Plan. Verification activities included:

- Observed the pressure washing of the area prior to the start of the maintenance work.
- Observed that the area was maintained moist during the maintenance activities.
- Witnessed that the scope of work implemented was as described in the Mitigation Plan.
- Reviewed Exide's monitoring logs to confirm that the Total Enclosure Building was maintained under negative pressure throughout the duration of the maintenance activity.

Reverb A-Pipe Repairs

On September 16, 2014 Exide maintenance personnel wipe tested each of the 5 locations on the Reverb A-Pipe that required additional welding. A Lead Wipe Test Kit (ESCA Tech. Inc. Lead Test Kit) was used, and lead was detected at all of the locations as evidenced by

the test wipe turning yellow. Advanced Construction personnel cleaned the first 3 locations where welding was required using d-lead solution and water. Towels were used to capture the water and clean the pipe. All of the towels, rags, and testing wipes were collected in plastic bags for disposal. The 3 locations were retested and were found to be lead free. Advanced Construction then proceeded with welding activities at the three locations. The 2 remaining locations will be cleaned and retested before welding activities begin.

Tetra Tech personnel witnessed the cleaning and testing activities, confirmed that the first three areas were lead free and confirmed compliance with the Mitigation Plan. Verification activities included:

- Observed the lead wipe test kit being used in an area where lead was known to be present to verify it worked.
- Observed the lead wipe test kit being used to test each of the weld locations prior to cleaning.
- Observed the cleaning of the weld locations as described above.
- Observed the lead wipe testing of the weld location after cleaning as described above.

North Oxidation Tank 24 Repairs

On Tuesday September 16, 2014 Castlerock Environmental mobilized to the site to begin erection of a temporary enclosure around the repair area. Installation of the temporary enclosure by Castlerock will continue into the next reporting period.

Tetra Tech personnel witnessed the temporary enclosure construction activities, and confirmed compliance with the Mitigation Plan. Verification activities included:

- Observed the installation of the temporary enclosure.
- Conducted continuous downwind Dust Trak monitoring on the temporary enclosure installation to monitor for fugitive dust emissions.

CURRENT ACTIVITIES WHERE A DEVIATION FROM PREVIOUSLY APPROVED MITIGATION MEASURES WERE OBSERVED AND THE CORRECTIVE ACTIONS TAKEN

Major items of work performed by Exide and/or its contractor(s) (including specific mitigation measures) currently under way or completed during this reporting period where for each of the activities described below, mitigation measures were implemented which to some extent deviated from the previously approved mitigation measures under the Mitigation Plan for Construction of Risk Reducing Measures, RCRA RFI Sampling, and Other Plant Activities or other Mitigation Plans, as approved by the SCAQMD:

TASK ID	Major Work Item	Deviation(s)	CORRECTIVE ACTION
None			

In accordance with the Order for Abatement Case No. 3151-32 findings and decision, air monitoring was performed while work was occurring within the temporary enclosure at the sand filter tanks and during the completion of the temporary enclosure installation at the north oxidation tank 24 area. Monitoring results and a site map showing the location of the temporary enclosures are attached. If the results of continuous air monitoring detected excessive dust the following additional suppression activities were implemented.

Activity Which Resulted in Excessive Dust	Additional Suppression Activity
None	Not Required

WORKER SAFETY CONCERNS:

The following Health and Safety issues, as they apply to Tetra Tech employees, were observed during this reporting period:

- o None.

ACTUAL vs FORECAST PROGRESS:

Exide Technologies submitted a schedule which outlines the tasks needed to be completed in response to this abatement order. The attached Gant Chart shows scheduled progress for all activities planned for the upcoming two week period. The table below shows the status of these activities

TASK	STATUS
Sand Filter Tanks Repair - WWTP	Ongoing
Sump No 6 – RMPS Building Basement Sump Repairs	Completed
Reverb A-Pipe Repairs	Ongoing
North Oxidation Tank 24 Repairs	Ongoing

WORK SCHEDULED DURING THE UPCOMING PERIOD:

The following activities are anticipated for the upcoming weeks:

Week	Anticipated Activities
Sept. 18 - Sept. 24	• Sand Filter Tank Repairs Continue • Reverb A-Pipe Repairs Continue • North Oxidation Tank 24 Repairs Continue • Security Surveillance Camera Installation • Feed Room Floor Repair • RCRA RFI Soil Sampling • RCRA Well Development
Sept. 25 - Oct. 1	• North Oxidation Tank 24 Repairs Continue • Storm Water Pipe Project Completion • Reverb A-Pipe Repairs Continue • Feed Room Floor Repairs Continue • RCRA RFI Soil Sampling Continues • Dust Removal • Rebuild of Santa Maria (Tank 12) • Refining Department Production Office • West Yard Sump Piping

KEY MILESTONES:

The following key milestones were achieved during this reporting period:

- o Sump No. 6 – RMPS Basement Sump Repairs: COMPLETED
- o Sand Filter Tank Repairs – Wastewater Treatment Plan: WORK STARTED
- o Reverb A-Pipe Repairs: WORK STARTED
- o North Oxidation Tank 24 Temporary Enclosure Installation: WORK STARTED

POTENTIAL CHANGES AND ACTION ITEMS REQUIRING RESOLUTION:

The following items require resolution:

- o None at this time.

OTHER NOTES/COMMENTS

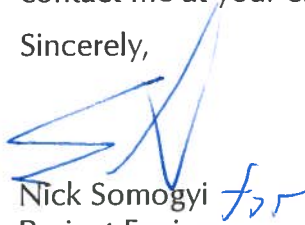
Routine meetings between Tetra Tech, Exide and the SCAQMD have been established and are scheduled to occur on Mondays and Thursdays of each week at 7:00 am. The primary focus of the Monday meeting is to review the activities planned for that calendar week. The focus of the Thursday meeting the status of current work activities, status of notifications to SCAQMD, identification of any issues impacting the work and implementation of prescribed mitigation measures, review of any deviations from the prescribed mitigation measures and/or additional suppression activities implemented, and the upcoming two weeks schedule.

SUMMARY:

The summary provided herein covers the activities for the period of September 10, 2014 through September 17, 2014. Daily Dust Trak monitoring data are attached. Also attached please find a copy of Exide's upcoming two weeks schedule and site map identifying the location of the activities on the upcoming two weeks schedule.

Should you have questions regarding this report, or require additional information, please contact me at your earliest convenience.

Sincerely,



Nick Somogyi
Project Engineer

ATTACHMENTS:

Gant Chart Schedule
Site Map
Monitoring Results / Reports

Gant Chart Schedule

Project Schedule

Week of 09/11/14 – 10/1/14



Mitigation Plan Reference	Task Name	Plant Location	Duration	Start Date	Finish Date	%	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	01
5e	Tank/Sump Maintenance (Tank 24)	North Yard	14 days	9/16/14	9/30/14	5%																				
5f	Storm Water Piping Project Completion	Yards	24 days	9/25/14	10/19/14	0%																				
Ex35	Sand Filters Repair work	WWTP	8 days	9/11/14	9/19/14	20%																				
Ex38	Sump 6 – RMPS Sump repair	RMPS	1 days	9/11/14	9/12/14	100%																				
6a	Security Surveillance Camera Installation	HiVol Monitors	3 days	9/22/14	9/25/14	0%																				
5c	Reverb A-Pipe Maintenance	HiExch. Roof	13 days	9/16/14	9/29/14	50%																				
Ex36	Feedroom floor repair	Reverb Feedroom	13 days	9/22/14	10/5/14	0%																				
4	RCRA RFI Soil Sampling	Yards	25 days	9/22/14	10/17/14	0%																				
Added																										
Ex49	RCRA Well Dev SI-1 & SI-5	South Yard	1 days	9/22/14	9/23/14	0%																				
Ex50	RCRA Well Dev	South Yard	1 days	9/22/14	9/23/14	0%																				
2a	Dust Removal for structure	RMPS & Refining	58 days	9/29/14	11/26/14	0%																				
5d	Rebuild of Santa Maria (Tank 12)	RMPS	42 days	9/29/14	11/10/14	0%																				
5g	Refining Department Production Office	Refining	60 days	9/29/14	11/28/14	0%																				
Ex43	West Yard Sump Piping	RMPS & Refining	13 days	9/29/14	10/12/14	0%																				

Numbering system correlates with Mitigation plan document.
Ex refers to additional work part of Sec. 6b in the Mitigation plan document.

Site Map

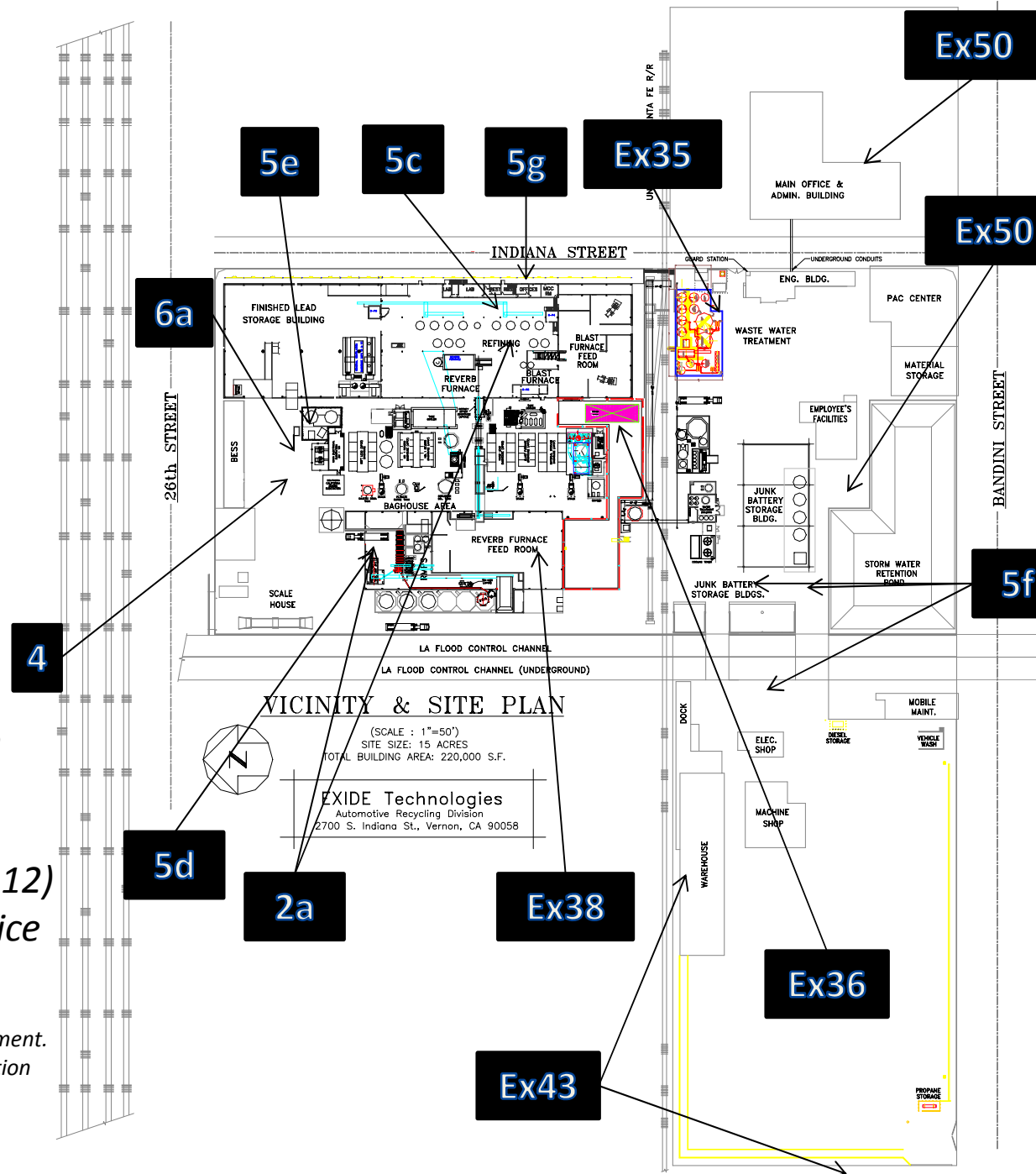
Mitigation Project Map Layout

Week 09/11/14 – 10/1/14

- 4. RCRA RFI Sampling
- 5c. Reverb A-Pipe
- 5e. North Oxidation Tank 24
- 5f. Storm water piping
- 6a. Security Camera's
- Ex35. Sand filter Repair
- Ex36. Feedroom floor repair
- Ex38. Sump No.6 – RMPS Sump
- Ex49 RCRA Well Dev. ST-1 & ST-5
- Ex50 RCRA Well Dev.
- 2a. Dust Removal
- 5d. Rebuild of Santa Maria (Tank 12)
- 5g. Refining Department Pro. Office
- Ex43 West Yard Sump Piping

Numbering system correlates with Mitigation plan document.
Ex refers to additional work part of Sec. 6b in the Mitigation plan document.

Mitigation Project Map Layout_091814.ppt



Monitoring Results / Reports
(September 11, 2014)



EXCIDE TECHNOLOGIES FACILITY ID NO. 124838
ORDER FOR ABATEMENT CASE NO. 3151-32
DustTrak CROSS REFERENCE KEY

DustTrak Serial Number	DustTrak Unit Number
8530100906	15843
8530110315	17786
8530113011	18363
8533133501	022183
8530132205	023393
8533132902	023611
8530141008	25274
8530113811	R12362



EX 35 SAND FILTER TANK REPAIRS
DUST TRAK MONITORING LOCATIONS



TETRA TECH BAS

EXIDE TECHNOLOGIES FACILITY ID NO. 124838
ORDER FOR ABATEMENT CASE NO. 3151-32
INSTANTANEOUS AIR MONITORING FORM

Date: 9-11-14Work Activity / Location: Sand Filter Tank Repairs Washwater PlantWind Direction: E to South
EastAverage Wind Speed: 0Temperature: 80.4

Cycle Reading No.	Upwind 1 Location: <u>M-1</u> Unit No.: <u>35274</u> (Time/Reading)	Downwind 1 Location: <u>M-1</u> Unit No.: <u>023343</u> (Time/Reading)	Downwind 2 Location: <u>M-2</u> Unit No.: <u>15443</u> (Time/Reading)	Downwind 3 Location: <u>M-3</u> Unit No.: <u>022185</u> (Time/Reading)
1	0915 = .061	0916 = .058	0916 = .031	0916 = .046
2	0933 = .057	0936 = .053	0938 = .038	0939 = .048
3	0945 = .057	0950 = .051	0951 = .035	0952 = .042
4	1003 = .062	1007 = .048	1008 = .037	1010 = .046
5	1018 = .045	1023 = .042	1025 = .041	1025 = .035
6	1034 = .042	1037 = .040	1038 = .031	1039 = .031
7	1050 = .038	1052 = .037	1052 = .027	1053 = .054
8	1105 = .036	1108 = .036	1110 = .025	1111 = .027
9	1120 = .031	1123 = .034	1125 = .024	1126 = .023
10	1135 = .028	1138 = .029	1140 = .024	1141 = .023
11	1205 = .024	1208 = .028	1209 = .024	1210 = .037
12	1215 = .029	1223 = .030	1238 = .025	1239 = .026
13	1230 = .034	1248 = .029	1249 = .027	1250 = .021
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32				

Comments:

0930 First initial wind, weather, temp reading. Reading taken @ (X) on
MAP.
1131 @ WIND (S.EAST) (Temp 89.7) (1.7 mph)
No work conducted - Baseline DATA

Site Map attached showing location of DustTrak Monitors, and location of construction activities.

Recorded By: HENRYDate: 9-11-14Reviewed By: DRS Nick ScorsbyDate: 9-11-14

Test 001

Instrument		Data Properties	
Model	DustTrak II	Start Date	09/11/2014
Instrument S/N	8530100906	Start Time	08:34:46
		Stop Date	09/11/2014
		Stop Time	14:49:46
		Total Time	0:06:15:00
		Logging Interval	900 seconds

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
1	09/11/2014	08:49:46	0.051
2	09/11/2014	09:04:46	0.040
3	09/11/2014	09:19:46	0.040
4	09/11/2014	09:34:46	0.040
5	09/11/2014	09:49:46	0.038
6	09/11/2014	10:04:46	0.036
7	09/11/2014	10:19:46	0.032
8	09/11/2014	10:34:46	0.032
9	09/11/2014	10:49:46	0.031
10	09/11/2014	11:04:46	0.029
11	09/11/2014	11:19:46	0.026
12	09/11/2014	11:34:46	0.025
13	09/11/2014	11:49:46	0.023
14	09/11/2014	12:04:46	0.023
15	09/11/2014	12:19:46	0.052
16	09/11/2014	12:34:46	0.023
17	09/11/2014	12:49:46	0.021
18	09/11/2014	13:04:46	0.020
19	09/11/2014	13:19:46	0.019
20	09/11/2014	13:34:46	0.020
21	09/11/2014	13:49:46	0.018
22	09/11/2014	14:04:46	0.019
23	09/11/2014	14:19:46	0.020
24	09/11/2014	14:34:46	0.019
25	09/11/2014	14:49:46	0.019

Test 001

Instrument		Data Properties	
Model	DustTrak II	Start Date	09/11/2014
Instrument S/N	8530141008	Start Time	09:10:23
		Stop Date	09/11/2014
		Stop Time	16:25:23
		Total Time	0:07:15:00
		Logging Interval	900 seconds

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
1	09/11/2014	09:25:23	0.070
2	09/11/2014	09:40:23	0.068
3	09/11/2014	09:55:23	0.066
4	09/11/2014	10:10:23	0.060
5	09/11/2014	10:25:23	0.048
6	09/11/2014	10:40:23	0.046
7	09/11/2014	10:55:23	0.044
8	09/11/2014	11:10:23	0.038
9	09/11/2014	11:25:23	0.038
10	09/11/2014	11:40:23	0.031
11	09/11/2014	11:55:23	0.028
12	09/11/2014	12:10:23	0.028
13	09/11/2014	12:25:23	0.028
14	09/11/2014	12:40:23	0.028
15	09/11/2014	12:55:23	0.030
16	09/11/2014	13:10:23	0.022
17	09/11/2014	13:25:23	0.020
18	09/11/2014	13:40:23	0.028
19	09/11/2014	13:55:23	0.021
20	09/11/2014	14:10:23	0.023
21	09/11/2014	14:25:23	0.023
22	09/11/2014	14:40:23	0.023
23	09/11/2014	14:55:23	0.022
24	09/11/2014	15:10:23	0.033
25	09/11/2014	15:25:23	0.000
26	09/11/2014	15:40:23	-0.001
27	09/11/2014	15:55:23	-0.001
28	09/11/2014	16:10:23	-0.001
29	09/11/2014	16:25:23	-0.002

Test 001

Instrument		Data Properties	
Model	DustTrak DRX	Start Date	09/11/2014
Instrument S/N	8533133501	Start Time	08:44:30
		Stop Date	09/11/2014
		Stop Time	14:59:30
		Total Time	0:06:15:00
		Logging Interval	900 seconds

Test Data							
Data Point	Date	Time	PM1 mg/m ³	PM2.5 mg/m ³	RESP mg/m ³	PM10 mg/m ³	TOTAL mg/m ³
1	09/11/2014	08:59:30	0.043	0.045	0.047	0.053	0.055
2	09/11/2014	09:14:30	0.039	0.041	0.043	0.049	0.051
3	09/11/2014	09:29:30	0.037	0.038	0.040	0.045	0.046
4	09/11/2014	09:44:30	0.035	0.036	0.038	0.042	0.044
5	09/11/2014	09:59:30	0.034	0.035	0.037	0.041	0.042
6	09/11/2014	10:14:30	0.033	0.034	0.035	0.039	0.039
7	09/11/2014	10:29:30	0.028	0.029	0.030	0.033	0.034
8	09/11/2014	10:44:30	0.026	0.027	0.028	0.031	0.031
9	09/11/2014	10:59:30	0.024	0.025	0.026	0.029	0.030
10	09/11/2014	11:14:30	0.022	0.022	0.023	0.025	0.026
11	09/11/2014	11:29:30	0.019	0.020	0.021	0.022	0.023
12	09/11/2014	11:44:30	0.018	0.019	0.020	0.021	0.022
13	09/11/2014	11:59:30	0.017	0.017	0.018	0.020	0.020
14	09/11/2014	12:14:30	0.017	0.018	0.020	0.023	0.024
15	09/11/2014	12:29:30	0.015	0.016	0.017	0.019	0.019
16	09/11/2014	12:44:30	0.015	0.015	0.017	0.019	0.020
17	09/11/2014	12:59:30	0.014	0.015	0.015	0.017	0.018
18	09/11/2014	13:14:30	0.012	0.012	0.013	0.015	0.015
19	09/11/2014	13:29:30	0.013	0.014	0.016	0.020	0.020
20	09/11/2014	13:44:30	0.012	0.013	0.014	0.017	0.017
21	09/11/2014	13:59:30	0.011	0.012	0.013	0.016	0.016
22	09/11/2014	14:14:30	0.012	0.013	0.013	0.015	0.015
23	09/11/2014	14:29:30	0.012	0.013	0.013	0.015	0.015
24	09/11/2014	14:44:30	0.012	0.013	0.014	0.015	0.015
25	09/11/2014	14:59:30	0.012	0.012	0.013	0.014	0.014

Test 001

Instrument		Data Properties	
Model	DustTrak II	Start Date	09/11/2014
Instrument S/N	8530132205	Start Time	08:52:40
		Stop Date	09/11/2014
		Stop Time	14:52:40
		Total Time	0:06:00:00
		Logging Interval	900 seconds

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
1	09/11/2014	09:07:40	0.062
2	09/11/2014	09:22:40	0.059
3	09/11/2014	09:37:40	0.054
4	09/11/2014	09:52:40	0.052
5	09/11/2014	10:07:40	0.052
6	09/11/2014	10:22:40	0.047
7	09/11/2014	10:37:40	0.044
8	09/11/2014	10:52:40	0.041
9	09/11/2014	11:07:40	0.038
10	09/11/2014	11:22:40	0.035
11	09/11/2014	11:37:40	0.032
12	09/11/2014	11:52:40	0.030
13	09/11/2014	12:07:40	0.033
14	09/11/2014	12:22:40	0.031
15	09/11/2014	12:37:40	0.028
16	09/11/2014	12:52:40	0.027
17	09/11/2014	13:07:40	0.025
18	09/11/2014	13:22:40	0.023
19	09/11/2014	13:37:40	0.025
20	09/11/2014	13:52:40	0.022
21	09/11/2014	14:07:40	0.024
22	09/11/2014	14:22:40	0.025
23	09/11/2014	14:37:40	0.024
24	09/11/2014	14:52:40	0.024

Monitoring Results / Reports
(September 12, 2014)



EXCIDE TECHNOLOGIES FACILITY ID NO. 124838
ORDER FOR ABATEMENT CASE NO. 3151-32
DustTrak CROSS REFERENCE KEY

DustTrak Serial Number	DustTrak Unit Number
8530100906	15843
8530110315	17786
8530113011	18363
8533133501	022183
8530132205	023393
8533132902	023611
8530141008	25274
8530113811	R12362



EX 35 SAND FILTER TANK REPAIRS
DUST TRAK MONITORING LOCATIONS



TETRA TECH BAS

EXIDE TECHNOLOGIES FACILITY ID NO. 124838
ORDER FOR ABATEMENT CASE NO. 3151-32
INSTANTANEOUS AIR MONITORING FORM

Date: 9/12/14

Work Activity / Location: SAND FILTER tank Repairs / Waste Water

0530 =

Wind Direction: WEST NORTH WEST

Average Wind Speed: 1.0

Temperature: 71.5 / PLANT

Cycle Reading No.	Upwind 1 Location: <u>U</u> Unit No.: <u>023393</u> (Time/Reading)	Downwind 1 Location: <u>M-1</u> Unit No.: <u>15643</u> (Time/Reading)	Downwind 2 Location: <u>M-2</u> Unit No.: <u>022183</u> (Time/Reading)	Downwind 3 Location: <u>M-3</u> Unit No.: <u>25274</u> (Time/Reading)
1	0535: 065	0540 = .043	0543 = .049	0544 = .027
2	0610: .055	0611 = .036	0613 = .046	0614 = .164
3	0625: .062	0626 = .039	0630 = .050	0631 = .067
4	0641: .067	0644 = .052	0645 = .067	0647 = .074
5	0700: .083	0703 = .056	0704 = .066	0705 = .086
6	0715: .077	0720 = .055	0721 = .061	0723 = .078
7	0730: .080	0735 = .056	0736 = .062	0737 = .080
8	0745: .073	0750 = .051	0751 = .064	0754 = .079
9	0800: .081	0805 = .063	0806 = .057	0810 = .069
10	0815: .075	0820 = .066	0823 = .059	0828 = .063
11	1030: .068	1037 = .064	1039 = .054	1040 = .061
12	1045: .064	1052 = .058	1055 = .047	1056 = .056
13	1100: .067	1105 = .054	1106 = .040	1107 = .048
14	1115: .050	1123 = .052	1125 = .053	1127 = .038
15	1145: .041	1146 = .056	1150 = .046	1152 = .051
16	12:10 = .039	1213 = .044	1215 = .029	1216 = .046
17	12:30 = .043	1233 = .037	1234 = .038	1236 = .051
18	1309 = .046	1322 = .043	1323 = .029	1324 = .041
19	1328 = .037	1345 = .041	1347 = .031	1348 = .036
20	1400 = .045	1403 = .043	1405 = .026	1406 = .037
21	1415 = .036	1418 = .056	1420 = .039	1422 = .041
22	1430 = .035	1433 = .041	1435 = .033	1440 = .031
23	1445 = .037	1450 = .043	1453 = .036	1455 = .032
24				
25				
26				
27				
28				
29				
30				
31				
32				

LUNCH

Comments:

0530: TEMP: WIND SPEED: (-0.021 JAC. OMNIGUARD #4)
 0730: 75.3 (temp) 0.0 WIND SPEED (NORTH NORTH WEST) 0.022 "
 0920: 77.7 (temp) 0.0 (WIND SPEED) (NORTH NORTH EAST) -0.022
 1040: 84.5 0.0 (EAST SOUTH EAST) -0.016, -0.016
 1155: 87.4 2.2 (NORTH, NORTH, EAST) -0.014 @ 1223

Site Map attached showing location of DustTrak Monitors, and location of construction activities.

Recorded By:

HENRY L.

Date:

9/12/14

Reviewed By:

Nick / Somesigi

Date:

9/12/14



TETRA TECH BAS

EXIDE TECHNOLOGIES FACILITY ID NO. 124838
 ORDER FOR ABATEMENT CASE NO. 3151-32
 INSTANTANEOUS AIR MONITORING FORM

Date: 9-12-14Work Activity / Location: SAND FILTER TANK REPAIRS / WASTE WATER PLANT1315 = Wind Direction: NORTH, NORTH WEST Average Wind Speed: 3.6Temperature: 94.4 (-0.013) = TENT

Cycle Reading No.	Upwind 1 Location: _____ Unit No.: _____ (Time/Reading)	Downwind 1 Location: _____ Unit No.: _____ (Time/Reading)	Downwind 2 Location: _____ Unit No.: _____ (Time/Reading)	Downwind 3 Location: _____ Unit No.: _____ (Time/Reading)
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
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12				
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16				
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25				
26				
27				
28				
29				
30				
31				
32				

Comments: (1400) (WIND DIRECTION) NORTH, NORTH WEST (WIND SPEED) 3.6 (TEMPERATURE) 91.6
 (1500) " " NORTH, NORTH WEST 4.2 " 89.1

Site Map attached showing location of Dustrak Monitors, and location of construction activities.

Recorded By: Henry SauerDate: 9-12-14Reviewed By: Mike SomarjiDate: 9-12-14

Test 002

Instrument		Data Properties	
Model	DustTrak DRX	Start Date	09/12/2014
Instrument S/N	8533133501	Start Time	05:03:44
		Stop Date	09/12/2014
		Stop Time	15:03:44
		Total Time	0:10:00:00
		Logging Interval	900 seconds

Test Data							
Data Point	Date	Time	PM1 mg/m ³	PM2.5 mg/m ³	RESP mg/m ³	PM10 mg/m ³	TOTAL mg/m ³
1	09/12/2014	05:18:44	0.036	0.039	0.042	0.047	0.048
2	09/12/2014	05:33:44	0.038	0.041	0.043	0.048	0.049
3	09/12/2014	05:48:44	0.040	0.042	0.045	0.048	0.049
4	09/12/2014	06:03:44	0.039	0.042	0.044	0.048	0.049
5	09/12/2014	06:18:44	0.036	0.039	0.042	0.045	0.046
6	09/12/2014	06:33:44	0.039	0.042	0.044	0.048	0.049
7	09/12/2014	06:48:44	0.043	0.047	0.049	0.053	0.055
8	09/12/2014	07:03:44	0.048	0.052	0.055	0.060	0.061
9	09/12/2014	07:18:44	0.047	0.051	0.053	0.059	0.059
10	09/12/2014	07:33:44	0.051	0.054	0.057	0.063	0.065
11	09/12/2014	07:48:44	0.051	0.054	0.057	0.063	0.064
12	09/12/2014	08:03:44	0.051	0.053	0.056	0.062	0.063
13	09/12/2014	08:18:44	0.051	0.053	0.056	0.061	0.063
14	09/12/2014	08:33:44	0.048	0.050	0.052	0.058	0.060
15	09/12/2014	08:48:44	0.047	0.049	0.051	0.056	0.058
16	09/12/2014	09:03:44	0.101	0.103	0.106	0.123	0.139
17	09/12/2014	09:18:44	0.050	0.052	0.054	0.061	0.064
18	09/12/2014	09:33:44	0.044	0.045	0.047	0.053	0.055
19	09/12/2014	09:48:44	0.049	0.051	0.053	0.061	0.064
20	09/12/2014	10:03:44	0.060	0.063	0.066	0.076	0.081
21	09/12/2014	10:18:44	0.059	0.061	0.064	0.073	0.075
22	09/12/2014	10:33:44	0.053	0.055	0.057	0.064	0.066
23	09/12/2014	10:48:44	0.042	0.044	0.045	0.051	0.052
24	09/12/2014	11:03:44	0.038	0.040	0.042	0.047	0.048
25	09/12/2014	11:18:44	0.032	0.034	0.035	0.040	0.042
26	09/12/2014	11:33:44	0.029	0.030	0.032	0.035	0.037
27	09/12/2014	11:48:44	0.027	0.028	0.029	0.033	0.034
28	09/12/2014	12:03:44	0.026	0.027	0.028	0.033	0.034
29	09/12/2014	12:18:44	0.025	0.026	0.027	0.031	0.033
30	09/12/2014	12:33:44	0.025	0.026	0.027	0.032	0.033
31	09/12/2014	12:48:44	0.026	0.028	0.029	0.033	0.034
32	09/12/2014	13:03:44	0.026	0.027	0.029	0.033	0.034
33	09/12/2014	13:18:44	0.025	0.027	0.028	0.031	0.032
34	09/12/2014	13:33:44	0.022	0.023	0.025	0.028	0.029
35	09/12/2014	13:48:44	0.023	0.024	0.025	0.028	0.029

Test Data							
Data Point	Date	Time	PM1 mg/m ³	PM2.5 mg/m ³	RESP mg/m ³	PM10 mg/m ³	TOTAL mg/m ³
36	09/12/2014	14:03:44	0.022	0.023	0.024	0.027	0.028
37	09/12/2014	14:18:44	0.021	0.022	0.023	0.026	0.027
38	09/12/2014	14:33:44	0.020	0.021	0.022	0.025	0.026
39	09/12/2014	14:48:44	0.022	0.023	0.024	0.025	0.026
40	09/12/2014	15:03:44	0.021	0.022	0.023	0.026	0.026

Test 002

Instrument		Data Properties	
Model	DustTrak II	Start Date	09/12/2014
Instrument S/N	8530100906	Start Time	05:05:33
		Stop Date	09/12/2014
		Stop Time	15:05:33
		Total Time	0:10:00:00
		Logging Interval	900 seconds

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
1	09/12/2014	05:20:33	0.049
2	09/12/2014	05:35:33	0.041
3	09/12/2014	05:50:33	0.043
4	09/12/2014	06:05:33	0.040
5	09/12/2014	06:20:33	0.037
6	09/12/2014	06:35:33	0.039
7	09/12/2014	06:50:33	0.049
8	09/12/2014	07:05:33	0.050
9	09/12/2014	07:20:33	0.047
10	09/12/2014	07:35:33	0.054
11	09/12/2014	07:50:33	0.055
12	09/12/2014	08:05:33	0.055
13	09/12/2014	08:20:33	0.056
14	09/12/2014	08:35:33	0.055
15	09/12/2014	08:50:33	0.366
16	09/12/2014	09:05:33	0.065
17	09/12/2014	09:20:33	0.068
18	09/12/2014	09:35:33	0.062
19	09/12/2014	09:50:33	0.071
20	09/12/2014	10:05:33	0.084
21	09/12/2014	10:20:33	0.081
22	09/12/2014	10:35:33	0.073
23	09/12/2014	10:50:33	0.061
24	09/12/2014	11:05:33	0.057
25	09/12/2014	11:20:33	0.051
26	09/12/2014	11:35:33	0.049
27	09/12/2014	11:50:33	0.046
28	09/12/2014	12:05:33	0.045
29	09/12/2014	12:20:33	0.045
30	09/12/2014	12:35:33	0.045
31	09/12/2014	12:50:33	0.047
32	09/12/2014	13:05:33	0.048
33	09/12/2014	13:20:33	0.045
34	09/12/2014	13:35:33	0.042
35	09/12/2014	13:50:33	0.042

Test Data			
Data Point	Date	Time	AEROSOL mg/m^3
36	09/12/2014	14:05:33	0.042
37	09/12/2014	14:20:33	0.041
38	09/12/2014	14:35:33	0.040
39	09/12/2014	14:50:33	0.042
40	09/12/2014	15:05:33	0.041

Test 002

Instrument		Data Properties	
Model	DustTrak II	Start Date	09/12/2014
Instrument S/N	8530132205	Start Time	05:14:02
		Stop Date	09/12/2014
		Stop Time	14:59:02
		Total Time	0:09:45:00
		Logging Interval	900 seconds

Test Data			
Data Point	Date	Time	AEROSOL mg/m^3
1	09/12/2014	05:29:02	0.006
2	09/12/2014	05:44:02	0.046
3	09/12/2014	05:59:02	0.061
4	09/12/2014	06:14:02	0.067
5	09/12/2014	06:29:02	0.065
6	09/12/2014	06:44:02	0.067
7	09/12/2014	06:59:02	0.083
8	09/12/2014	07:14:02	0.095
9	09/12/2014	07:29:02	0.077
10	09/12/2014	07:44:02	0.085
11	09/12/2014	07:59:02	0.098
12	09/12/2014	08:14:02	0.081
13	09/12/2014	08:29:02	0.078
14	09/12/2014	08:44:02	0.076
15	09/12/2014	08:59:02	0.122
16	09/12/2014	09:14:02	0.078
17	09/12/2014	09:29:02	0.069
18	09/12/2014	09:44:02	0.068
19	09/12/2014	09:59:02	0.093
20	09/12/2014	10:14:02	0.091
21	09/12/2014	10:29:02	0.082
22	09/12/2014	10:44:02	0.068
23	09/12/2014	10:59:02	0.062
24	09/12/2014	11:14:02	0.055
25	09/12/2014	11:29:02	0.058
26	09/12/2014	11:44:02	0.047
27	09/12/2014	11:59:02	0.045
28	09/12/2014	12:14:02	0.042
29	09/12/2014	12:29:02	0.042
30	09/12/2014	12:44:02	0.047
31	09/12/2014	12:59:02	0.046
32	09/12/2014	13:14:02	0.047
33	09/12/2014	13:29:02	0.041
34	09/12/2014	13:44:02	0.041
35	09/12/2014	13:59:02	0.038

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
36	09/12/2014	14:14:02	0.040
37	09/12/2014	14:29:02	0.035
38	09/12/2014	14:44:02	0.039
39	09/12/2014	14:59:02	0.038

Test 002

Instrument		Data Properties	
Model	DustTrak II	Start Date	09/12/2014
Instrument S/N	8530141008	Start Time	05:00:46
		Stop Date	09/12/2014
		Stop Time	15:15:46
		Total Time	0:10:15:00
		Logging Interval	900 seconds

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
1	09/12/2014	05:15:46	0.072
2	09/12/2014	05:30:46	0.247
3	09/12/2014	05:45:46	0.148
4	09/12/2014	06:00:46	0.131
5	09/12/2014	06:15:46	0.125
6	09/12/2014	06:30:46	0.079
7	09/12/2014	06:45:46	0.078
8	09/12/2014	07:00:46	0.087
9	09/12/2014	07:15:46	0.084
10	09/12/2014	07:30:46	0.082
11	09/12/2014	07:45:46	0.093
12	09/12/2014	08:00:46	0.075
13	09/12/2014	08:15:46	0.078
14	09/12/2014	08:30:46	0.076
15	09/12/2014	08:45:46	0.077
16	09/12/2014	09:00:46	0.068
17	09/12/2014	09:15:46	0.074
18	09/12/2014	09:30:46	0.069
19	09/12/2014	09:45:46	0.067
20	09/12/2014	10:00:46	0.088
21	09/12/2014	10:15:46	0.089
22	09/12/2014	10:30:46	0.082
23	09/12/2014	10:45:46	0.065
24	09/12/2014	11:00:46	0.058
25	09/12/2014	11:15:46	0.050
26	09/12/2014	11:30:46	0.043
27	09/12/2014	11:45:46	0.040
28	09/12/2014	12:00:46	0.038
29	09/12/2014	12:15:46	0.036
30	09/12/2014	12:30:46	0.037
31	09/12/2014	12:45:46	0.039
32	09/12/2014	13:00:46	0.040
33	09/12/2014	13:15:46	0.038
34	09/12/2014	13:30:46	0.033
35	09/12/2014	13:45:46	0.032

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
36	09/12/2014	14:00:46	0.032
37	09/12/2014	14:15:46	0.034
38	09/12/2014	14:30:46	0.030
39	09/12/2014	14:45:46	0.032
40	09/12/2014	15:00:46	0.032
41	09/12/2014	15:15:46	0.027

Monitoring Results / Reports
(September 15, 2014)



EXCIDE TECHNOLOGIES FACILITY ID NO. 124838
ORDER FOR ABATEMENT CASE NO. 3151-32
DustTrak CROSS REFERENCE KEY

DustTrak Serial Number	DustTrak Unit Number
8530100906	15843
8530110315	17786
8530113011	18363
8533133501	022183
8530132205	023393
8533132902	023611
8530141008	25274
8530113811	R12362



EX 35 SAND FILTER TANK REPAIRS
DUST TRAK MONITORING LOCATIONS



TETRA TECH BAS

EXIDE TECHNOLOGIES FACILITY ID NO. 124838
ORDER FOR ABATEMENT CASE NO. 3151-32
INSTANTANEOUS AIR MONITORING FORM

Date: 9/15/14Work Activity / Location: SAND FILTER TANK REPAIRS / WASTE WATER0710 : Wind Direction: NORTH
NORTH WESTAverage Wind Speed: 0Temperature: 77.7PLANT

Cycle Reading No.	Upwind 1 Location: <u>U-1</u> Unit No.: <u>R12362</u> (Time/Reading)	Downwind 1 Location: <u>M-1</u> Unit No.: <u>18363</u> (Time/Reading)	Downwind 2 Location: <u>M-2</u> Unit No.: <u>15843</u> (Time/Reading)	Downwind 3 Location: <u>M-3</u> Unit No.: <u>25274</u> (Time/Reading)
1			6:57 = 0.049	8:54 = 0.061
2	7:34 = 0.065	7:29 = 0.057	0721 = 0.065	7:21 = 0.060
3	7:46 = 0.061	7:44 = 0.063	0736 = 0.051	7:36 = 0.060
4	8:31 = 0.061	8:34 = 0.061	8:37 = 0.058	8:36 = 0.064
5	9:08 = 0.062	9:11 = 0.064	9:13 = 0.059	9:14 = 0.063
6	10:15 = 0.074	10:17 = 0.081	10:17 = 0.067	10:17 = 0.065
7	10:30 = 0.071	10:30 = 0.075	10:31 = 0.072	10:32 = 0.068
8	10:45 = 0.067	10:47 = 0.061	10:48 = 0.054	10:48 = 0.069
9	11:03 = 0.059	11:04 = 0.067	11:06 = 0.057	11:06 = 0.056
10	11:15 = 0.060	11:16 = 0.064	11:17 = 0.058	11:17 = 0.048
11	11:30 = 0.059	11:32 = 0.060	11:33 = 0.057	11:34 = 0.048
12	11:45 = 0.061	11:46 = 0.059	11:47 = 0.056	11:47 = 0.046
13	1235 = 0.047	1237 = 0.059	1238 = 0.056	1239 = 0.046
14	1250 = 0.049	1253 = 0.059	1254 = 0.058	1255 = 0.043
15	1:05 = 0.046	1:10 = 0.054	1:11 = 0.052	1:12 = 0.040
16	1:20 = 0.047	1:25 = 0.057	1:26 = 0.056	1:27 = 0.041
17	1:35 = 0.034	1:40 = 0.043	1:41 = 0.046	1:42 = 0.032
18	1:50 = 0.035	1:55 = 0.044	1:58 = 0.047	1:56 = 0.046
19	2:05 = 0.036	2:10 = 0.051	2:11 = 0.051	2:13 = 0.052
20	2:20 = 0.039	2:22 = 0.052	2:26 = 0.049	2:26 = 0.039
21	2:35 = 0.032	2:36 = 0.041	2:40 = 0.042	2:41 = 0.029
22	2:50 = 0.038	2:53 = 0.053	2:58 = 0.049	2:56 = 0.027
23	2:58 = 0.026	3:01 = 0.034	3:02 = 0.041	3:05 = 0.029
24				
25				
26				
27				
28				
29				
30				
31				
32				

Comments:

(0712 : 0.021) FOR TENT READING

(U-1) MOVED @ 8:15 AT NORTHWEST CORNER OF WASTE WATER PLANT FROM ORIGINAL PLANT.

TENT → (10:25 = 0.015) WIND = NORTH NORTH WEST, (1.2 miles wind speed) (88.3 Temp)

TENT → (1:18 = 0.018) WIND = NORTH NORTH WEST (5.6 miles wind speed) (94.6 Temp)

TENT → (2:34 = 0.012)

Site Map attached showing location of DustTrak Monitors, and location of construction activities.

Recorded By:

HENRY JACQUEZ

Date:

9-15-15

Reviewed By:

Nick Samoyil

Date:

9-15-15

Test 003

Instrument		Data Properties	
Model	DustTrak II	Start Date	09/15/2014
Instrument S/N	8530100906	Start Time	06:54:27
		Stop Date	09/15/2014
		Stop Time	15:09:27
		Total Time	0:08:15:00
		Logging Interval	900 seconds

Test Data			
Data Point	Date	Time	AEROSOL mg/m^3
1	09/15/2014	07:09:27	0.053
2	09/15/2014	07:24:27	0.067
3	09/15/2014	07:39:27	0.055
4	09/15/2014	07:54:27	0.056
5	09/15/2014	08:09:27	0.057
6	09/15/2014	08:24:27	0.052
7	09/15/2014	08:39:27	0.055
8	09/15/2014	08:54:27	0.058
9	09/15/2014	09:09:27	0.059
10	09/15/2014	09:24:27	0.060
11	09/15/2014	09:39:27	0.060
12	09/15/2014	09:54:27	0.060
13	09/15/2014	10:09:27	0.065
14	09/15/2014	10:24:27	0.068
15	09/15/2014	10:39:27	0.064
16	09/15/2014	10:54:27	0.060
17	09/15/2014	11:09:27	0.058
18	09/15/2014	11:24:27	0.057
19	09/15/2014	11:39:27	0.056
20	09/15/2014	11:54:27	0.055
21	09/15/2014	12:09:27	0.056
22	09/15/2014	12:24:27	0.057
23	09/15/2014	12:39:27	0.055
24	09/15/2014	12:54:27	0.054
25	09/15/2014	13:09:27	0.054
26	09/15/2014	13:24:27	0.051
27	09/15/2014	13:39:27	0.050
28	09/15/2014	13:54:27	0.048
29	09/15/2014	14:09:27	0.046
30	09/15/2014	14:24:27	0.043
31	09/15/2014	14:39:27	0.042
32	09/15/2014	14:54:27	0.040
33	09/15/2014	15:09:27	0.051

Test 001

Instrument		Data Properties	
Model	DustTrak II	Start Date	09/15/2014
Instrument S/N	8530113011	Start Time	07:29:05
		Stop Date	09/15/2014
		Stop Time	15:14:05
		Total Time	0:07:45:00
		Logging Interval	900 seconds

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
1	09/15/2014	07:44:05	0.060
2	09/15/2014	07:59:05	0.063
3	09/15/2014	08:14:05	0.065
4	09/15/2014	08:29:05	0.060
5	09/15/2014	08:44:05	0.062
6	09/15/2014	08:59:05	0.068
7	09/15/2014	09:14:05	0.069
8	09/15/2014	09:29:05	0.069
9	09/15/2014	09:44:05	0.071
10	09/15/2014	09:59:05	0.074
11	09/15/2014	10:14:05	0.080
12	09/15/2014	10:29:05	0.084
13	09/15/2014	10:44:05	0.073
14	09/15/2014	10:59:05	0.068
15	09/15/2014	11:14:05	0.066
16	09/15/2014	11:29:05	0.065
17	09/15/2014	11:44:05	0.062
18	09/15/2014	11:59:05	0.060
19	09/15/2014	12:14:05	0.061
20	09/15/2014	12:29:05	0.061
21	09/15/2014	12:44:05	0.060
22	09/15/2014	12:59:05	0.058
23	09/15/2014	13:14:05	0.056
24	09/15/2014	13:29:05	0.052
25	09/15/2014	13:44:05	0.050
26	09/15/2014	13:59:05	0.046
27	09/15/2014	14:14:05	0.043
28	09/15/2014	14:29:05	0.040
29	09/15/2014	14:44:05	0.038
30	09/15/2014	14:59:05	0.036
31	09/15/2014	15:14:05	0.035

Test 003

Instrument		Data Properties	
Model	DustTrak II	Start Date	09/15/2014
Instrument S/N	8530141008	Start Time	07:03:36
		Stop Date	09/15/2014
		Stop Time	15:03:36
		Total Time	0:08:00:00
		Logging Interval	900 seconds

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
1	09/15/2014	07:18:36	0.103
2	09/15/2014	07:33:36	0.070
3	09/15/2014	07:48:36	0.059
4	09/15/2014	08:03:36	0.065
5	09/15/2014	08:18:36	0.061
6	09/15/2014	08:33:36	0.060
7	09/15/2014	08:48:36	0.062
8	09/15/2014	09:03:36	0.063
9	09/15/2014	09:18:36	0.063
10	09/15/2014	09:33:36	0.062
11	09/15/2014	09:48:36	0.059
12	09/15/2014	10:03:36	0.062
13	09/15/2014	10:18:36	0.066
14	09/15/2014	10:33:36	0.066
15	09/15/2014	10:48:36	0.057
16	09/15/2014	11:03:36	0.054
17	09/15/2014	11:18:36	0.051
18	09/15/2014	11:33:36	0.048
19	09/15/2014	11:48:36	0.045
20	09/15/2014	12:03:36	0.043
21	09/15/2014	12:18:36	0.046
22	09/15/2014	12:33:36	0.046
23	09/15/2014	12:48:36	0.044
24	09/15/2014	13:03:36	0.043
25	09/15/2014	13:18:36	0.041
26	09/15/2014	13:33:36	0.037
27	09/15/2014	13:48:36	0.036
28	09/15/2014	14:03:36	0.034
29	09/15/2014	14:18:36	0.030
30	09/15/2014	14:33:36	0.026
31	09/15/2014	14:48:36	0.026
32	09/15/2014	15:03:36	0.024

Test 001

Instrument		Data Properties	
Model	DustTrak II	Start Date	09/15/2014
Instrument S/N	8530113811	Start Time	07:33:49
		Stop Date	09/15/2014
		Stop Time	15:03:49
		Total Time	0:07:30:00
		Logging Interval	900 seconds

Test Data			
Data Point	Date	Time	AEROSOL mg/m^3
1	09/15/2014	07:48:49	0.067
2	09/15/2014	08:03:49	0.071
3	09/15/2014	08:18:49	0.062
4	09/15/2014	08:33:49	0.059
5	09/15/2014	08:48:49	0.063
6	09/15/2014	09:03:49	0.062
7	09/15/2014	09:18:49	0.068
8	09/15/2014	09:33:49	0.063
9	09/15/2014	09:48:49	0.066
10	09/15/2014	10:03:49	0.081
11	09/15/2014	10:18:49	0.105
12	09/15/2014	10:33:49	0.071
13	09/15/2014	10:48:49	0.066
14	09/15/2014	11:03:49	0.061
15	09/15/2014	11:18:49	0.057
16	09/15/2014	11:33:49	0.055
17	09/15/2014	11:48:49	0.058
18	09/15/2014	12:03:49	0.056
19	09/15/2014	12:18:49	0.054
20	09/15/2014	12:33:49	0.052
21	09/15/2014	12:48:49	0.050
22	09/15/2014	13:03:49	0.050
23	09/15/2014	13:18:49	0.048
24	09/15/2014	13:33:49	0.044
25	09/15/2014	13:48:49	0.043
26	09/15/2014	14:03:49	0.038
27	09/15/2014	14:18:49	0.039
28	09/15/2014	14:33:49	0.032
29	09/15/2014	14:48:49	0.031
30	09/15/2014	15:03:49	0.027

Monitoring Results / Reports
(September 16, 2014)



EXCIDE TECHNOLOGIES FACILITY ID NO. 124838
ORDER FOR ABATEMENT CASE NO. 3151-32
DustTrak CROSS REFERENCE KEY

DustTrak Serial Number	DustTrak Unit Number
8530100906	15843
8530110315	17786
8530113011	18363
8533133501	022183
8530132205	023393
8533132902	023611
8530141008	25274
8530113811	R12362



EX 35 SAND FILTER TANK REPAIRS
DUST TRAK MONITORING LOCATIONS



TETRA TECH BAS

EXIDE TECHNOLOGIES FACILITY ID NO. 124838
ORDER FOR ABATEMENT CASE NO. 3151-32
INSTANTANEOUS AIR MONITORING FORM

Date: 9-16-14

Work Activity / Location: SAND FILTER TANK / WASTE WATER PLANT.

5:31 = Wind Direction: NORTH-NORTHWEST

Average Wind Speed: 0

Temperature: 77.9

crew started
at 7am and
finished at
3pm.

Cycle Reading No.	Upwind 1 Location: M-1 Unit No.: 18363 (Time/Reading)	Downwind 1 Location: M-1 Unit No.: 25274 (Time/Reading)	Downwind 2 Location: M-2 Unit No.: R12362 (Time/Reading)	Downwind 3 Location: M-3 Unit No.: 15843 (Time/Reading)
1	5:30 = 0.037	5:24 = 0.039	5:18 = 0.033	5:17 = 0.038
2	6:16 = 0.046	6:18 = 0.052	6:23 = 0.049	6:19 = 0.046
3	7:08 = 0.053	7:05 = 0.045	7:05 = 0.043	7:02 = 0.042
4	7:22 = 0.055	7:20 = 0.050	7:19 = 0.055	7:17 = 0.049
5	7:38 = 0.058	7:36 = 0.050	7:36 = 0.051	7:34 = 0.050
6	7:56 = 0.062	7:52 = 0.059	7:52 = 0.065	7:50 = 0.058
7	8:11 = 0.054	8:09 = 0.040	8:08 = 0.047	8:06 = 0.046
8	8:25 = 0.053	8:23 = 0.043	8:22 = 0.044	8:20 = 0.048
9	8:40 = 0.053	8:38 = 0.038	8:38 = 0.043	8:36 = 0.046
10	8:53 = 0.042	8:51 = 0.031	8:51 = 0.037	8:49 = 0.041
11	9:29 = 0.060	9:28 = 0.030	9:27 = 0.035	9:25 = 0.039
12	9:45 = 0.041	9:43 = 0.027	9:43 = 0.031	9:41 = 0.039
13	10:00 = 0.041	9:58 = 0.028	9:58 = 0.029	9:55 = 0.040
14	11:28 = 0.052	11:26 = 0.030	11:26 = 0.035	11:23 = 0.045
15	11:43 = 0.053	11:42 = 0.030	11:41 = 0.034	11:39 = 0.047
16	11:59 = 0.055	11:58 = 0.032	11:57 = 0.036	11:55 = 0.051
17	12:13 = 0.066	12:12 = 0.039	12:11 = 0.042	12:09 = 0.055
18	12:30 = 0.066	12:28 = 0.042	12:28 = 0.047	12:26 = 0.061
19	12:45 = 0.068	12:43 = 0.042	12:43 = 0.045	12:41 = 0.060
20	13:00 = 0.066	12:58 = 0.041	12:58 = 0.044	12:56 = 0.059
21	13:16 = 0.069	13:14 = 0.044	13:13 = 0.045	13:11 = 0.063
22	13:39 = 0.063	13:38 = 0.041	13:37 = 0.047	13:35 = 0.056
23	13:54 = 0.057	13:52 = 0.035	13:52 = 0.043	13:50 = 0.055
24	14:09 = 0.062	14:08 = 0.037	14:07 = 0.040	14:05 = 0.055
25	14:25 = 0.057	14:23 = 0.037	14:23 = 0.041	14:21 = 0.056
26	14:40 = 0.063	14:38 = 0.041	14:38 = 0.043	14:36 = 0.056
27	14:53 = 0.052	14:51 = 0.037	14:51 = 0.044	14:49 = 0.054
28	15:18 = 0.043	15:12 = 0.024	15:08 = 0.028	15:06 = 0.015
29				
30				
31				
32				

TRAIN PASSED THRU
@ 12:13 PM

Comments:

Started generator @ 7:40 AM. Check neg. pressure inside enclosure @ 800 AM
Pressure = -0.015" WC.

Checked weather @ 9:30 AM: 92.0°F / 2.8 mph / SW

Neg. pressure = -0.010" WC @ 10:00 AM. / -0.008" WC @ 12 PM. / -0.008" WC @ 1400.

Checked weather @ 11:30 AM: 97.4°F / 1.1 mph / SW @ 1400: 97.7°F / 3.0 mph / SW

Site Map attached showing location of Dusttrak Monitors, and location of construction activities.

Recorded By:

HENRY / TERT

Date:

9-16-14

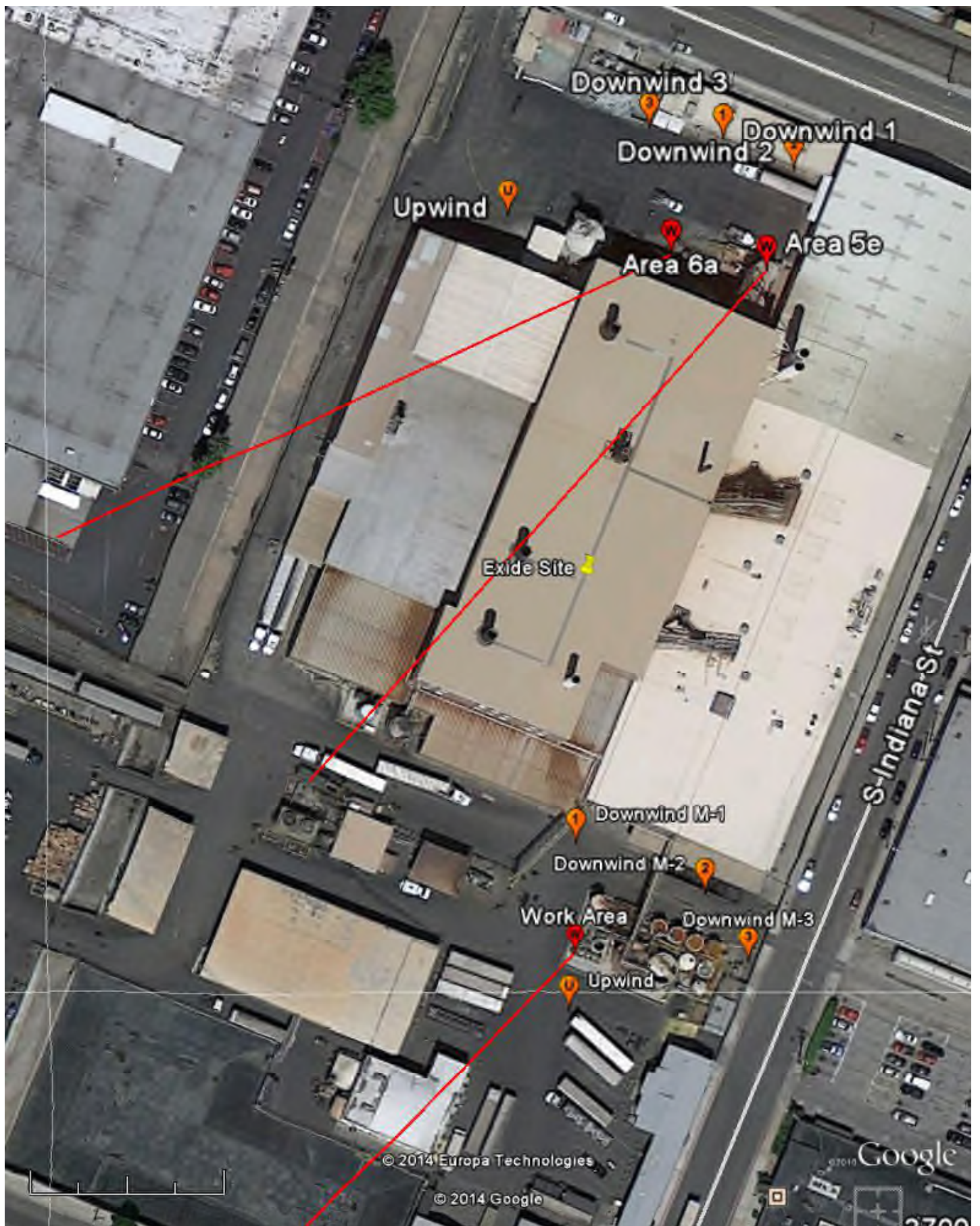
Reviewed By:

Nick Samojin

Date:

9-16-14

Max.
Wind
Speed
reading
~8 mph
@ 2:15 pm



EX 35, 5e and 6a REPAIR AREAS
DUST TRAK MONITORING LOCATIONS



TETRA TECH BAS

EXIDE TECHNOLOGIES FACILITY ID NO. 124838
ORDER FOR ABATEMENT CASE NO. 3151-32
INSTANTANEOUS AIR MONITORING FORM

Date: 9/16/14

Work Activity / Location: NORTH Oxidation Tank 24

Wind Direction: _____

Average Wind Speed: 4.1

Temperature: 94.2

Cycle Reading No.	Upwind 1 Location: _____ Unit No.: _____ (Time/Reading)	Downwind 1 Location: <u>D 1</u> Unit No.: <u>023393</u> (Time/Reading)	Downwind 2 Location: <u>D 2</u> Unit No.: <u>022183</u> (Time/Reading)	Downwind 3 Location: _____ Unit No.: _____ (Time/Reading)
1		<u>2:11 = 0.043</u>	<u>2:12 = 0.038</u>	
2		<u>3:16 = 0.029</u>	<u>3:17 = 0.022</u>	
3		<u>3:31 = 0.027</u>	<u>3:31 = 0.019</u>	
4		<u>3:45 = 0.027</u>	<u>3:46 = 0.018</u>	
5		<u>4:00 = 0.023</u>	<u>4:00 = 0.020</u>	
6		<u>4:30 = 0.023</u>	<u>4:30 = 0.019</u>	
7				
8				
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19				
20				
21				
22				
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28				
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30				
31				
32				

Comments:

Site Map attached showing location of DustTrak Monitors, and location of construction activities.

Recorded By: HENRY JACQUEZ

Date: 9/16/14

Reviewed By: Mike Samuels

Date: 9/16/14

Test 004

Instrument		Data Properties	
Model	DustTrak II	Start Date	09/16/2014
Instrument S/N	8530100906	Start Time	05:09:10
		Stop Date	09/16/2014
		Stop Time	14:54:10
		Total Time	0:09:45:00
		Logging Interval	900 seconds

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
1	09/16/2014	05:24:10	0.052
2	09/16/2014	05:39:10	0.036
3	09/16/2014	05:54:10	0.036
4	09/16/2014	06:09:10	0.038
5	09/16/2014	06:24:10	0.046
6	09/16/2014	06:39:10	0.046
7	09/16/2014	06:54:10	0.047
8	09/16/2014	07:09:10	0.046
9	09/16/2014	07:24:10	0.048
10	09/16/2014	07:39:10	0.050
11	09/16/2014	07:54:10	0.061
12	09/16/2014	08:09:10	0.054
13	09/16/2014	08:24:10	0.047
14	09/16/2014	08:39:10	0.047
15	09/16/2014	08:54:10	0.044
16	09/16/2014	09:09:10	0.042
17	09/16/2014	09:24:10	0.041
18	09/16/2014	09:39:10	0.040
19	09/16/2014	09:54:10	0.039
20	09/16/2014	10:09:10	0.040
21	09/16/2014	10:24:10	0.043
22	09/16/2014	10:39:10	0.041
23	09/16/2014	10:54:10	0.041
24	09/16/2014	11:09:10	0.043
25	09/16/2014	11:24:10	0.045
26	09/16/2014	11:39:10	0.046
27	09/16/2014	11:54:10	0.062
28	09/16/2014	12:09:10	0.052
29	09/16/2014	12:24:10	0.056
30	09/16/2014	12:39:10	0.058
31	09/16/2014	12:54:10	0.059
32	09/16/2014	13:09:10	0.062
33	09/16/2014	13:24:10	0.064
34	09/16/2014	13:39:10	0.061
35	09/16/2014	13:54:10	0.058

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
36	09/16/2014	14:09:10	0.058
37	09/16/2014	14:24:10	0.055
38	09/16/2014	14:39:10	0.056
39	09/16/2014	14:54:10	0.054

Test 002

Instrument		Data Properties	
Model	DustTrak II	Start Date	09/16/2014
Instrument S/N	8530113011	Start Time	05:28:20
		Stop Date	09/16/2014
		Stop Time	15:13:20
		Total Time	0:09:45:00
		Logging Interval	900 seconds

Test Data			
Data Point	Date	Time	AEROSOL mg/m^3
1	09/16/2014	05:43:20	0.040
2	09/16/2014	05:58:20	0.037
3	09/16/2014	06:13:20	0.044
4	09/16/2014	06:28:20	0.044
5	09/16/2014	06:43:20	0.054
6	09/16/2014	06:58:20	0.050
7	09/16/2014	07:13:20	0.050
8	09/16/2014	07:28:20	0.051
9	09/16/2014	07:43:20	0.055
10	09/16/2014	07:58:20	0.063
11	09/16/2014	08:13:20	0.065
12	09/16/2014	08:28:20	0.052
13	09/16/2014	08:43:20	0.050
14	09/16/2014	08:58:20	0.052
15	09/16/2014	09:13:20	0.058
16	09/16/2014	09:28:20	0.053
17	09/16/2014	09:43:20	0.043
18	09/16/2014	09:58:20	0.071
19	09/16/2014	10:13:20	0.043
20	09/16/2014	10:28:20	0.046
21	09/16/2014	10:43:20	0.048
22	09/16/2014	10:58:20	0.049
23	09/16/2014	11:13:20	0.051
24	09/16/2014	11:28:20	0.054
25	09/16/2014	11:43:20	0.062
26	09/16/2014	11:58:20	0.055
27	09/16/2014	12:13:20	0.061
28	09/16/2014	12:28:20	0.062
29	09/16/2014	12:43:20	0.065
30	09/16/2014	12:58:20	0.068
31	09/16/2014	13:13:20	0.067
32	09/16/2014	13:28:20	0.070
33	09/16/2014	13:43:20	0.065
34	09/16/2014	13:58:20	0.060
35	09/16/2014	14:13:20	0.061

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
36	09/16/2014	14:28:20	0.059
37	09/16/2014	14:43:20	0.059
38	09/16/2014	14:58:20	0.057
39	09/16/2014	15:13:20	0.049

Test 002

Instrument		Data Properties	
Model	DustTrak II	Start Date	09/16/2014
Instrument S/N	8530113811	Start Time	05:16:32
		Stop Date	09/16/2014
		Stop Time	15:01:32
		Total Time	0:09:45:00
		Logging Interval	900 seconds

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
1	09/16/2014	05:31:32	0.032
2	09/16/2014	05:46:32	0.031
3	09/16/2014	06:01:32	0.031
4	09/16/2014	06:16:32	0.035
5	09/16/2014	06:31:32	0.045
6	09/16/2014	06:46:32	0.047
7	09/16/2014	07:01:32	0.047
8	09/16/2014	07:16:32	0.047
9	09/16/2014	07:31:32	0.050
10	09/16/2014	07:46:32	0.060
11	09/16/2014	08:01:32	0.064
12	09/16/2014	08:16:32	0.051
13	09/16/2014	08:31:32	0.045
14	09/16/2014	08:46:32	0.044
15	09/16/2014	09:01:32	0.038
16	09/16/2014	09:16:32	0.035
17	09/16/2014	09:31:32	0.034
18	09/16/2014	09:46:32	0.031
19	09/16/2014	10:01:32	0.031
20	09/16/2014	10:16:32	0.033
21	09/16/2014	10:31:32	0.033
22	09/16/2014	10:46:32	0.031
23	09/16/2014	11:01:32	0.032
24	09/16/2014	11:16:32	0.031
25	09/16/2014	11:31:32	0.033
26	09/16/2014	11:46:32	0.033
27	09/16/2014	12:01:32	0.048
28	09/16/2014	12:16:32	0.043
29	09/16/2014	12:31:32	0.042
30	09/16/2014	12:46:32	0.043
31	09/16/2014	13:01:32	0.045
32	09/16/2014	13:16:32	0.047
33	09/16/2014	13:31:32	0.049
34	09/16/2014	13:46:32	0.044
35	09/16/2014	14:01:32	0.041

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
36	09/16/2014	14:16:32	0.042
37	09/16/2014	14:31:32	0.041
38	09/16/2014	14:46:32	0.042
39	09/16/2014	15:01:32	0.040

Test 004

Instrument		Data Properties	
Model	DustTrak II	Start Date	09/16/2014
Instrument S/N	8530141008	Start Time	05:21:18
		Stop Date	09/16/2014
		Stop Time	15:06:18
		Total Time	0:09:45:00
		Logging Interval	900 seconds

Test Data			
Data Point	Date	Time	AEROSOL mg/m^3
1	09/16/2014	05:36:18	0.043
2	09/16/2014	05:51:18	0.035
3	09/16/2014	06:06:18	0.036
4	09/16/2014	06:21:18	0.048
5	09/16/2014	06:36:18	0.058
6	09/16/2014	06:51:18	0.046
7	09/16/2014	07:06:18	0.046
8	09/16/2014	07:21:18	0.051
9	09/16/2014	07:36:18	0.049
10	09/16/2014	07:51:18	0.063
11	09/16/2014	08:06:18	0.058
12	09/16/2014	08:21:18	0.045
13	09/16/2014	08:36:18	0.042
14	09/16/2014	08:51:18	0.039
15	09/16/2014	09:06:18	0.033
16	09/16/2014	09:21:18	0.031
17	09/16/2014	09:36:18	0.029
18	09/16/2014	09:51:18	0.027
19	09/16/2014	10:06:18	0.027
20	09/16/2014	10:21:18	0.030
21	09/16/2014	10:36:18	0.029
22	09/16/2014	10:51:18	0.028
23	09/16/2014	11:06:18	0.029
24	09/16/2014	11:21:18	0.029
25	09/16/2014	11:36:18	0.030
26	09/16/2014	11:51:18	0.031
27	09/16/2014	12:06:18	0.041
28	09/16/2014	12:21:18	0.038
29	09/16/2014	12:36:18	0.041
30	09/16/2014	12:51:18	0.040
31	09/16/2014	13:06:18	0.042
32	09/16/2014	13:21:18	0.045
33	09/16/2014	13:36:18	0.045
34	09/16/2014	13:51:18	0.039
35	09/16/2014	14:06:18	0.039

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
36	09/16/2014	14:21:18	0.038
37	09/16/2014	14:36:18	0.038
38	09/16/2014	14:51:18	0.039
39	09/16/2014	15:06:18	0.030

Test 003

Instrument		Data Properties	
Model	DustTrak DRX	Start Date	09/16/2014
Instrument S/N	8533133501	Start Time	13:29:40
		Stop Date	09/16/2014
		Stop Time	16:14:40
		Total Time	0:02:45:00
		Logging Interval	900 seconds

Test Data							
Data Point	Date	Time	PM1 mg/m ³	PM2.5 mg/m ³	RESP mg/m ³	PM10 mg/m ³	TOTAL mg/m ³
1	09/16/2014	13:44:40	0.030	0.032	0.033	0.037	0.038
2	09/16/2014	13:59:40	0.028	0.030	0.031	0.034	0.034
3	09/16/2014	14:14:40	0.027	0.028	0.029	0.032	0.033
4	09/16/2014	14:29:40	0.026	0.027	0.028	0.031	0.033
5	09/16/2014	14:44:40	0.026	0.027	0.028	0.031	0.032
6	09/16/2014	14:59:40	0.023	0.024	0.025	0.028	0.029
7	09/16/2014	15:14:40	0.017	0.018	0.019	0.022	0.023
8	09/16/2014	15:29:40	0.019	0.019	0.020	0.023	0.024
9	09/16/2014	15:44:40	0.016	0.017	0.018	0.021	0.021
10	09/16/2014	15:59:40	0.015	0.016	0.017	0.020	0.021
11	09/16/2014	16:14:40	0.014	0.014	0.015	0.018	0.019

Test 003

Instrument		Data Properties	
Model	DustTrak II	Start Date	09/16/2014
Instrument S/N	8530132205	Start Time	13:32:48
		Stop Date	09/16/2014
		Stop Time	16:17:48
		Total Time	0:02:45:00
		Logging Interval	900 seconds

Test Data			
Data Point	Date	Time	AEROSOL mg/m^3
1	09/16/2014	13:47:48	0.049
2	09/16/2014	14:02:48	0.045
3	09/16/2014	14:17:48	0.044
4	09/16/2014	14:32:48	0.044
5	09/16/2014	14:47:48	0.044
6	09/16/2014	15:02:48	0.038
7	09/16/2014	15:17:48	0.029
8	09/16/2014	15:32:48	0.033
9	09/16/2014	15:47:48	0.029
10	09/16/2014	16:02:48	0.027
11	09/16/2014	16:17:48	0.025

Monitoring Results / Reports
(September 17, 2014)



EXCIDE TECHNOLOGIES FACILITY ID NO. 124838
ORDER FOR ABATEMENT CASE NO. 3151-32
DustTrak CROSS REFERENCE KEY

DustTrak Serial Number	DustTrak Unit Number
8530100906	15843
8530110315	17786
8530113011	18363
8533133501	022183
8530132205	023393
8533132902	023611
8530141008	25274
8530113811	R12362



EX 35 SAND FILTER TANK REPAIRS
DUST TRAK MONITORING LOCATIONS



TETRA TECH BAS

EXIDE TECHNOLOGIES FACILITY ID NO. 124838
ORDER FOR ABATEMENT CASE NO. 3151-32
INSTANTANEOUS AIR MONITORING FORM

Date: 9/17/14Work Activity / Location: Sand Filter Tank / Wastewater Plant6:25 AM Wind Direction: SWAverage Wind Speed: 0Temperature: 82°F

Cycle Reading No.	Upwind 1 Location: <u>M-1</u> Unit No.: <u>R12362</u> (Time/Reading)	Downwind 1 Location: <u>M-1</u> Unit No.: <u>15843</u> (Time/Reading)	Downwind 2 Location: <u>M-2</u> Unit No.: <u>18363</u> (Time/Reading)	Downwind 3 Location: <u>M-3</u> Unit No.: <u>25274</u> (Time/Reading)
1	6:20 = 0.063	6:22 = 0.063	6:24 = 0.068	6:24 = 0.077
2	6:35 = 0.083	6:35 = 0.079	6:37 = 0.077	6:37 = 0.087
3	6:46 = 0.085	6:46 = 0.089	6:48 = 0.092	6:48 = 0.094
4	7:00 = 0.101	7:04 = 0.093	7:06 = 0.098	7:06 = 0.104
5	7:19 = 0.065	7:18 = 0.064	7:20 = 0.061	7:20 = 0.070
6	7:52 = 0.085	7:49 = 0.067	7:47 = 0.076	7:47 = 0.089
7	8:23 = 0.070	8:22 = 0.062	8:24 = 0.061	8:24 = 0.061
8	8:41 = 0.071	8:41 = 0.067	8:43 = 0.070	8:43 = 0.065
9	8:56 = 0.075	8:55 = 0.072	8:57 = 0.068	8:57 = 0.062
10	9:13 = 0.073	9:13 = 0.068	9:15 = 0.066	9:15 = 0.059
11	9:30 = 0.054	9:30 = 0.055	9:32 = 0.057	9:32 = 0.047
12	9:45 = 0.052	9:45 = 0.054	9:46 = 0.055	9:46 = 0.045
13	10:01 = 0.046	10:00 = 0.050	10:02 = 0.047	10:02 = 0.033
14	10:15 = 0.028	10:14 = 0.037	10:16 = 0.034	10:16 = 0.027
15	10:30 = 0.015	10:29 = 0.030	10:31 = 0.025	10:32 = 0.012
16	10:50 = 0.025	10:51 = 0.036	10:54 = 0.034	10:55 = 0.013
17	11:54 = 0.025	11:53 = 0.039	11:55 = 0.037	11:55 = 0.021
18	12:11 = 0.030	12:10 = 0.042	12:12 = 0.041	12:12 = 0.026
19	12:31 = 0.038	12:30 = 0.045	12:32 = 0.046	12:33 = 0.035
20	12:46 = 0.019	12:45 = 0.032	12:48 = 0.033	12:49 = 0.016
21	13:00 = 0.024	13:00 = 0.038	13:02 = 0.041	13:02 = 0.024
22	13:16 = 0.026	13:15 = 0.039	13:18 = 0.047	13:18 = 0.028
23	13:31 = 0.032	13:30 = 0.042	13:32 = 0.044	13:33 = 0.028
24	13:52 = 0.031	13:52 = 0.040	13:54 = 0.044	13:54 = 0.029
25	14:07 = 0.028	14:06 = 0.039	14:08 = 0.041	14:08 = 0.022
26	14:22 = 0.025	14:21 = 0.038	14:24 = 0.039	14:24 = 0.020
27	14:42 = 0.027	14:41 = 0.039	14:43 = 0.040	14:44 = 0.023
28	14:57 = 0.027	14:56 = 0.037	14:59 = 0.036	14:59 = 0.019
29				
30				
31				
32				

Break for Lunch

LAST READING BEFORE
SHUTDOWN.

Comments:

Exide crew began work @ 6 AM - Ext. h/dg. cleaning occurring near downwind monitors from 6:20 AM - 6:50 AM
Tent pressure = -0.015" WC @ 6:30 AM (-0.010 @ 6:50) (-0.011" WC @ 12:35 PM)
(-0.010" WC @ 14:30 PM)
Exide crew completed work inside tent enclosure @ 14:30 PM.

Site Map attached showing location of DustTrak Monitors, and location of construction activities.

Recorded By:

Teri Daigle

Date:

9-17-2014

Reviewed By:

Nick Sernogey

Date:

9-17-14

Test 003

Instrument		Data Properties	
Model	DustTrak II	Start Date	09/17/2014
Instrument S/N	8530113811	Start Time	06:06:29
		Stop Date	09/17/2014
		Stop Time	14:51:29
		Total Time	0:08:45:00
		Logging Interval	900 seconds

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
1	09/17/2014	06:21:29	0.062
2	09/17/2014	06:36:29	0.081
3	09/17/2014	06:51:29	0.091
4	09/17/2014	07:06:29	0.103
5	09/17/2014	07:21:29	0.075
6	09/17/2014	07:36:29	0.065
7	09/17/2014	07:51:29	0.088
8	09/17/2014	08:06:29	0.064
9	09/17/2014	08:21:29	0.070
10	09/17/2014	08:36:29	0.068
11	09/17/2014	08:51:29	0.073
12	09/17/2014	09:06:29	0.074
13	09/17/2014	09:21:29	0.072
14	09/17/2014	09:36:29	0.057
15	09/17/2014	09:51:29	0.052
16	09/17/2014	10:06:29	0.042
17	09/17/2014	10:21:29	0.031
18	09/17/2014	10:36:29	0.024
19	09/17/2014	10:51:29	0.025
20	09/17/2014	11:06:29	0.021
21	09/17/2014	11:21:29	0.024
22	09/17/2014	11:36:29	0.023
23	09/17/2014	11:51:29	0.025
24	09/17/2014	12:06:29	0.029
25	09/17/2014	12:21:29	0.032
26	09/17/2014	12:36:29	0.034
27	09/17/2014	12:51:29	0.024
28	09/17/2014	13:06:29	0.023
29	09/17/2014	13:21:29	0.029
30	09/17/2014	13:36:29	0.032
31	09/17/2014	13:51:29	0.031
32	09/17/2014	14:06:29	0.030
33	09/17/2014	14:21:29	0.026
34	09/17/2014	14:36:29	0.027
35	09/17/2014	14:51:29	0.028

Test 005

Instrument		Data Properties	
Model	DustTrak II	Start Date	09/17/2014
Instrument S/N	8530100906	Start Time	06:08:42
		Stop Date	09/17/2014
		Stop Time	14:53:42
		Total Time	0:08:45:00
		Logging Interval	900 seconds

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
1	09/17/2014	06:23:42	0.064
2	09/17/2014	06:38:42	0.077
3	09/17/2014	06:53:42	0.082
4	09/17/2014	07:08:42	0.085
5	09/17/2014	07:23:42	0.067
6	09/17/2014	07:38:42	0.062
7	09/17/2014	07:53:42	0.073
8	09/17/2014	08:08:42	0.058
9	09/17/2014	08:23:42	0.065
10	09/17/2014	08:38:42	0.065
11	09/17/2014	08:53:42	0.070
12	09/17/2014	09:08:42	0.071
13	09/17/2014	09:23:42	0.066
14	09/17/2014	09:38:42	0.057
15	09/17/2014	09:53:42	0.055
16	09/17/2014	10:08:42	0.050
17	09/17/2014	10:23:42	0.041
18	09/17/2014	10:38:42	0.036
19	09/17/2014	10:53:42	0.037
20	09/17/2014	11:08:42	0.035
21	09/17/2014	11:23:42	0.035
22	09/17/2014	11:38:42	0.036
23	09/17/2014	11:53:42	0.038
24	09/17/2014	12:08:42	0.041
25	09/17/2014	12:23:42	0.046
26	09/17/2014	12:38:42	0.043
27	09/17/2014	12:53:42	0.035
28	09/17/2014	13:08:42	0.038
29	09/17/2014	13:23:42	0.041
30	09/17/2014	13:38:42	0.042
31	09/17/2014	13:53:42	0.041
32	09/17/2014	14:08:42	0.041
33	09/17/2014	14:23:42	0.038
34	09/17/2014	14:38:42	0.040
35	09/17/2014	14:53:42	0.039

Test 003

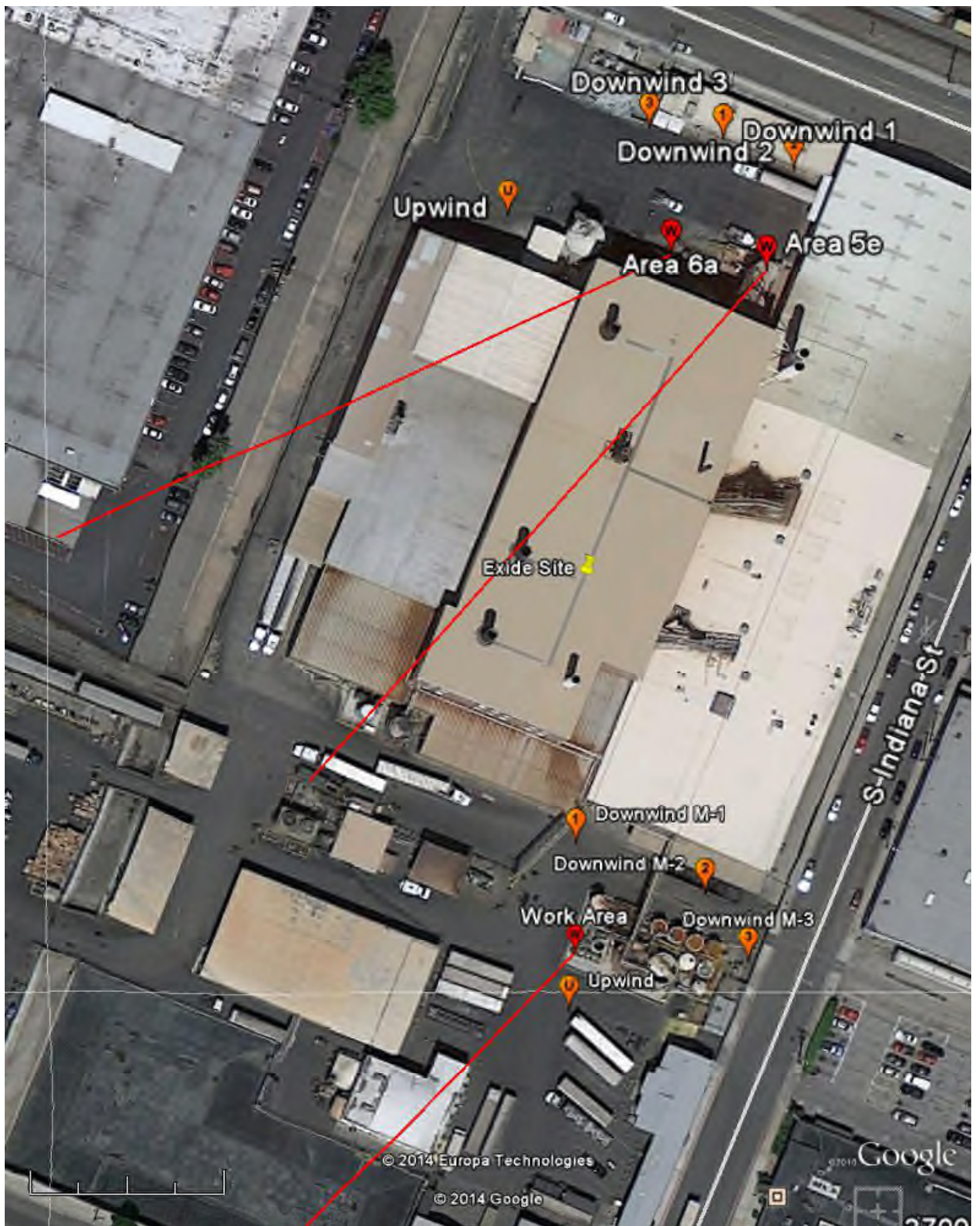
Instrument		Data Properties	
Model	DustTrak II	Start Date	09/17/2014
Instrument S/N	8530113011	Start Time	06:18:26
		Stop Date	09/17/2014
		Stop Time	14:48:26
		Total Time	0:08:30:00
		Logging Interval	900 seconds

Test Data			
Data Point	Date	Time	AEROSOL mg/m^3
1	09/17/2014	06:33:26	0.081
2	09/17/2014	06:48:26	0.082
3	09/17/2014	07:03:26	0.094
4	09/17/2014	07:18:26	0.078
5	09/17/2014	07:33:26	0.064
6	09/17/2014	07:48:26	0.072
7	09/17/2014	08:03:26	0.065
8	09/17/2014	08:18:26	0.063
9	09/17/2014	08:33:26	0.065
10	09/17/2014	08:48:26	0.069
11	09/17/2014	09:03:26	0.070
12	09/17/2014	09:18:26	0.071
13	09/17/2014	09:33:26	0.060
14	09/17/2014	09:48:26	0.055
15	09/17/2014	10:03:26	0.051
16	09/17/2014	10:18:26	0.038
17	09/17/2014	10:33:26	0.031
18	09/17/2014	10:48:26	0.031
19	09/17/2014	11:03:26	0.030
20	09/17/2014	11:18:26	0.033
21	09/17/2014	11:33:26	0.033
22	09/17/2014	11:48:26	0.035
23	09/17/2014	12:03:26	0.040
24	09/17/2014	12:18:26	0.043
25	09/17/2014	12:33:26	0.047
26	09/17/2014	12:48:26	0.039
27	09/17/2014	13:03:26	0.034
28	09/17/2014	13:18:26	0.043
29	09/17/2014	13:33:26	0.044
30	09/17/2014	13:48:26	0.044
31	09/17/2014	14:03:26	0.044
32	09/17/2014	14:18:26	0.041
33	09/17/2014	14:33:26	0.039
34	09/17/2014	14:48:26	0.041

Test 005

Instrument		Data Properties	
Model	DustTrak II	Start Date	09/17/2014
Instrument S/N	8530141008	Start Time	06:15:05
		Stop Date	09/17/2014
		Stop Time	14:45:05
		Total Time	0:08:30:00
		Logging Interval	900 seconds

Test Data			
Data Point	Date	Time	AEROSOL mg/m^3
1	09/17/2014	06:30:05	0.098
2	09/17/2014	06:45:05	0.102
3	09/17/2014	07:00:05	0.104
4	09/17/2014	07:15:05	0.094
5	09/17/2014	07:30:05	0.069
6	09/17/2014	07:45:05	0.071
7	09/17/2014	08:00:05	0.072
8	09/17/2014	08:15:05	0.061
9	09/17/2014	08:30:05	0.065
10	09/17/2014	08:45:05	0.066
11	09/17/2014	09:00:05	0.066
12	09/17/2014	09:15:05	0.068
13	09/17/2014	09:30:05	0.055
14	09/17/2014	09:45:05	0.047
15	09/17/2014	10:00:05	0.042
16	09/17/2014	10:15:05	0.030
17	09/17/2014	10:30:05	0.023
18	09/17/2014	10:45:05	0.018
19	09/17/2014	11:00:05	0.017
20	09/17/2014	11:15:05	0.018
21	09/17/2014	11:30:05	0.018
22	09/17/2014	11:45:05	0.019
23	09/17/2014	12:00:05	0.022
24	09/17/2014	12:15:05	0.026
25	09/17/2014	12:30:05	0.028
26	09/17/2014	12:45:05	0.025
27	09/17/2014	13:00:05	0.016
28	09/17/2014	13:15:05	0.026
29	09/17/2014	13:30:05	0.025
30	09/17/2014	13:45:05	0.028
31	09/17/2014	14:00:05	0.026
32	09/17/2014	14:15:05	0.023
33	09/17/2014	14:30:05	0.021
34	09/17/2014	14:45:05	0.023



EX 35, 5e and 6a REPAIR AREAS
DUST TRAK MONITORING LOCATIONS



TETRA TECH BAS

EXIDE TECHNOLOGIES FACILITY ID NO. 124838
ORDER FOR ABATEMENT CASE NO. 3151-32
INSTANTANEOUS AIR MONITORING FORM

Date: 9/17/14

Work Activity / Location: NORTH OXIDATION

TANK # 24

Wind Direction: NORTH, NORTH EAST.

Average Wind Speed: 0

Temperature: 83.5

Cycle Reading No.	Upwind 1 Location: U-1 Unit No.: 023611 (Time/Reading)	Downwind 1 Location: D-1 Unit No.: 023393 (Time/Reading)	Downwind 2 Location: D-2 Unit No.: 022193 (Time/Reading)	Downwind 3 Location: D-3 Unit No.: 017786 (Time/Reading)
1	10:45 = 0.031	7:15 = 0.054	7:08 = 0.077	7:06 = 0.071
2	10:58 = 0.018	7:40 = 0.070	7:43 = 0.065	7:34 = 0.064
3	11:53 = 0.023	8:08 = 0.048	8:09 = 0.056	8:05 = 0.066
4	12:11 = 0.013	8:28 = 0.071	8:28 = 0.058	8:29 = 0.067
5	12:27 = 0.014	8:59 = 0.074	8:59 = 0.059	8:59 = 0.077
6	12:41 = 0.006	9:15 = 0.076	9:15 = 0.061	9:14 = 0.068
7	1:01 = 0.011	9:31 = 0.073	9:30 = 0.058	9:31 = 0.069
8	1:15 = 0.012	9:45 = 0.064	10:00 = 0.053	9:46 = 0.060
9	1:30 = 0.012	10:00 = 0.069	10:15 = 0.052	10:00 = 0.065
10	1:45 = 0.011	10:15 = 0.067	10:54 = 0.015x	10:55 = 0.023
11	2:03 = 0.012	10:55 = 0.020	11:51 = 0.023	11:51 = 0.032
12	2:16 = 0.011	11:51 = 0.027	12:07 = 0.026	12:09 = 0.033
13	2:30 = 0.012	12:24 = 0.035	12:24 = 0.028	12:25 = 0.037
14	2:43 = 0.012	12:41 = 0.018	12:41 = 0.014	12:40 = 0.042
15	3:08 = 0.010	1:02 = 0.034	1:02 = 0.024	1:02 = 0.021
16	3:17 = 0.009	1:16 = 0.031	1:16 = 0.025	1:15 = 0.037
17	3:45 = 0.009	1:30 = 0.033	1:31 = 0.025	1:31 = 0.034
18	4:00 = 0.008	1:45 = 0.029	1:46 = 0.027	1:46 = 0.038
19	4:27 = 0.009	2:05 = 0.032	2:05 = 0.025	2:03 = 0.032
20		2:17 = 0.028	2:17 = 0.026	2:30 = 0.066
21		2:31 = 0.031	2:31 = 0.028	2:50 = 0.069
22		2:44 = 0.031	2:44 = 0.026	2:43 = 0.038
23		3:02 = 0.024	3:02 = 0.021	3:01 = 0.029
24		3:20 = 0.024	3:21 = 0.021	3:17 = 0.024
25		3:50 = 0.024	3:51 = 0.018	3:46 = 0.024
26		4:09 = 0.023	4:10 = 0.017	4:01 = 0.021
27		4:30 = 0.029	4:30 = 0.023	4:27 = 0.021
28				
29				
30				
31				
32				

castle Rock
LUNCH approx.
11:15

Comments:

INSTRUMENT D-3 OFF by (3 HRS) * CASTLE ROCK CREW started approx 6:30
 Temp 91° (Speed 2.0) Direction (NORTH, NORTH WEST) @ 9:45
 Temp 96° (Speed 2.3) (SOUTH, EAST) @ 12:15
 Temp 93.9° (Speed 3.4) (WEST, NORTH WEST) @ 2:00
 Temp 92.7° (Speed 4.7) (EAST, NORTH, EAST) @ 3:17

Site Map attached showing location of DustTrak Monitors, and location of construction activities.

Recorded By:

Henry Jauriz

Date:

9/17/14

Reviewed By:

Rick Semsey

Date:

9/18/14

Test 001

Instrument		Data Properties	
Model	DustTrak DRX	Start Date	09/17/2014
Instrument S/N	8533132902	Start Time	10:40:45
		Stop Date	09/17/2014
		Stop Time	16:55:45
		Total Time	0:06:15:00
		Logging Interval	900 seconds

Test Data							
Data Point	Date	Time	PM1 mg/m ³	PM2.5 mg/m ³	RESP mg/m ³	PM10 mg/m ³	TOTAL mg/m ³
1	09/17/2014	10:55:45	0.028	0.029	0.031	0.039	0.042
2	09/17/2014	11:10:45	0.012	0.014	0.014	0.018	0.018
3	09/17/2014	11:25:45	0.012	0.013	0.014	0.016	0.016
4	09/17/2014	11:40:45	0.013	0.014	0.015	0.018	0.018
5	09/17/2014	11:55:45	0.014	0.016	0.017	0.020	0.020
6	09/17/2014	12:10:45	0.083	0.086	0.090	0.129	0.129
7	09/17/2014	12:25:45	0.012	0.012	0.013	0.013	0.013
8	09/17/2014	12:40:45	0.011	0.012	0.012	0.012	0.012
9	09/17/2014	12:55:45	0.007	0.008	0.008	0.008	0.008
10	09/17/2014	13:10:45	0.010	0.010	0.010	0.010	0.010
11	09/17/2014	13:25:45	0.011	0.012	0.012	0.012	0.012
12	09/17/2014	13:40:45	0.012	0.012	0.012	0.013	0.013
13	09/17/2014	13:55:45	0.011	0.012	0.012	0.012	0.012
14	09/17/2014	14:10:45	0.012	0.012	0.012	0.012	0.012
15	09/17/2014	14:25:45	0.010	0.011	0.011	0.011	0.011
16	09/17/2014	14:40:45	0.011	0.011	0.011	0.011	0.011
17	09/17/2014	14:55:45	0.011	0.012	0.012	0.012	0.012
18	09/17/2014	15:10:45	0.010	0.010	0.010	0.010	0.010
19	09/17/2014	15:25:45	0.009	0.010	0.010	0.010	0.010
20	09/17/2014	15:40:45	0.009	0.009	0.009	0.009	0.009
21	09/17/2014	15:55:45	0.009	0.010	0.010	0.010	0.010
22	09/17/2014	16:10:45	0.009	0.009	0.009	0.010	0.010
23	09/17/2014	16:25:45	0.008	0.009	0.009	0.009	0.009
24	09/17/2014	16:40:45	0.008	0.008	0.008	0.008	0.008
25	09/17/2014	16:55:45	0.007	0.008	0.008	0.008	0.008

Test 004

Instrument		Data Properties	
Model	DustTrak II	Start Date	09/17/2014
Instrument S/N	8530132205	Start Time	05:19:23
		Stop Date	09/17/2014
		Stop Time	17:04:23
		Total Time	0:11:45:00
		Logging Interval	900 seconds

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
1	09/17/2014	05:34:23	0.060
2	09/17/2014	05:49:23	0.049
3	09/17/2014	06:04:23	0.054
4	09/17/2014	06:19:23	0.059
5	09/17/2014	06:34:23	0.059
6	09/17/2014	06:49:23	0.069
7	09/17/2014	07:04:23	0.070
8	09/17/2014	07:19:23	0.072
9	09/17/2014	07:34:23	0.061
10	09/17/2014	07:49:23	0.073
11	09/17/2014	08:04:23	0.070
12	09/17/2014	08:19:23	0.069
13	09/17/2014	08:34:23	0.070
14	09/17/2014	08:49:23	0.074
15	09/17/2014	09:04:23	0.072
16	09/17/2014	09:19:23	0.072
17	09/17/2014	09:34:23	0.058
18	09/17/2014	09:49:23	0.053
19	09/17/2014	10:04:23	0.050
20	09/17/2014	10:19:23	0.035
21	09/17/2014	10:34:23	0.028
22	09/17/2014	10:49:23	0.025
23	09/17/2014	11:04:23	0.023
24	09/17/2014	11:19:23	0.023
25	09/17/2014	11:34:23	0.022
26	09/17/2014	11:49:23	0.024
27	09/17/2014	12:04:23	0.030
28	09/17/2014	12:19:23	0.033
29	09/17/2014	12:34:23	0.036
30	09/17/2014	12:49:23	0.026
31	09/17/2014	13:04:23	0.024
32	09/17/2014	13:19:23	0.032
33	09/17/2014	13:34:23	0.033
34	09/17/2014	13:49:23	0.033
35	09/17/2014	14:04:23	0.032

Test Data			
Data Point	Date	Time	AEROSOL mg/m^3
36	09/17/2014	14:19:23	0.029
37	09/17/2014	14:34:23	0.028
38	09/17/2014	14:49:23	0.029
39	09/17/2014	15:04:23	0.028
40	09/17/2014	15:19:23	0.024
41	09/17/2014	15:34:23	0.024
42	09/17/2014	15:49:23	0.021
43	09/17/2014	16:04:23	0.025
44	09/17/2014	16:19:23	0.020
45	09/17/2014	16:34:23	0.020
46	09/17/2014	16:49:23	0.018
47	09/17/2014	17:04:23	0.017

Test 004

Instrument		Data Properties	
Model	DustTrak DRX	Start Date	09/17/2014
Instrument S/N	8533133501	Start Time	06:50:27
		Stop Date	09/17/2014
		Stop Time	16:50:27
		Total Time	0:10:00:00
		Logging Interval	900 seconds

Test Data							
Data Point	Date	Time	PM1 mg/m ³	PM2.5 mg/m ³	RESP mg/m ³	PM10 mg/m ³	TOTAL mg/m ³
1	09/17/2014	07:05:27	0.018	0.018	0.019	0.022	0.034
2	09/17/2014	07:20:27	0.031	0.032	0.034	0.040	0.052
3	09/17/2014	07:35:27	0.042	0.044	0.046	0.051	0.052
4	09/17/2014	07:50:27	0.048	0.050	0.053	0.060	0.062
5	09/17/2014	08:05:27	0.045	0.047	0.050	0.056	0.057
6	09/17/2014	08:20:27	0.045	0.047	0.051	0.057	0.059
7	09/17/2014	08:35:27	0.046	0.049	0.052	0.059	0.061
8	09/17/2014	08:50:27	0.050	0.052	0.054	0.061	0.062
9	09/17/2014	09:05:27	0.049	0.051	0.054	0.060	0.062
10	09/17/2014	09:20:27	0.047	0.049	0.051	0.058	0.059
11	09/17/2014	09:35:27	0.039	0.041	0.043	0.048	0.050
12	09/17/2014	09:50:27	0.035	0.037	0.039	0.045	0.046
13	09/17/2014	10:05:27	0.033	0.035	0.037	0.043	0.045
14	09/17/2014	10:20:27	0.023	0.024	0.026	0.029	0.030
15	09/17/2014	10:35:27	0.018	0.018	0.020	0.023	0.024
16	09/17/2014	10:50:27	0.017	0.018	0.019	0.022	0.022
17	09/17/2014	11:05:27	0.015	0.015	0.016	0.019	0.019
18	09/17/2014	11:20:27	0.015	0.016	0.017	0.019	0.020
19	09/17/2014	11:35:27	0.015	0.016	0.016	0.019	0.019
20	09/17/2014	11:50:27	0.016	0.017	0.018	0.020	0.021
21	09/17/2014	12:05:27	0.020	0.020	0.021	0.024	0.025
22	09/17/2014	12:20:27	0.022	0.022	0.024	0.026	0.027
23	09/17/2014	12:35:27	0.023	0.024	0.025	0.028	0.028
24	09/17/2014	12:50:27	0.016	0.017	0.018	0.020	0.020
25	09/17/2014	13:05:27	0.016	0.017	0.018	0.020	0.020
26	09/17/2014	13:20:27	0.021	0.022	0.023	0.025	0.026
27	09/17/2014	13:35:27	0.022	0.023	0.024	0.026	0.027
28	09/17/2014	13:50:27	0.021	0.022	0.023	0.026	0.026
29	09/17/2014	14:05:27	0.021	0.022	0.023	0.025	0.025
30	09/17/2014	14:20:27	0.019	0.019	0.020	0.022	0.023
31	09/17/2014	14:35:27	0.018	0.019	0.020	0.022	0.023
32	09/17/2014	14:50:27	0.019	0.020	0.021	0.023	0.023
33	09/17/2014	15:05:27	0.018	0.019	0.019	0.021	0.021
34	09/17/2014	15:20:27	0.016	0.016	0.017	0.019	0.019
35	09/17/2014	15:35:27	0.016	0.016	0.017	0.019	0.020

Test Data							
Data Point	Date	Time	PM1 mg/m ³	PM2.5 mg/m ³	RESP mg/m ³	PM10 mg/m ³	TOTAL mg/m ³
36	09/17/2014	15:50:27	0.015	0.015	0.016	0.017	0.018
37	09/17/2014	16:05:27	0.016	0.017	0.018	0.019	0.020
38	09/17/2014	16:20:27	0.014	0.015	0.015	0.017	0.017
39	09/17/2014	16:35:27	0.013	0.014	0.015	0.016	0.017
40	09/17/2014	16:50:27	0.013	0.013	0.014	0.016	0.016

Test 002

Instrument		Data Properties	
Model	DustTrak II	Start Date	09/17/2014
Instrument S/N	8530110315	Start Time	09:30:12
		Stop Date	09/17/2014
		Stop Time	20:00:12
		Total Time	0:10:30:00
		Logging Interval	900 seconds

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
1	09/17/2014	09:45:12	0.072
2	09/17/2014	10:00:12	0.072
3	09/17/2014	10:15:12	0.072
4	09/17/2014	10:30:12	0.063
5	09/17/2014	10:45:12	0.066
6	09/17/2014	11:00:12	0.074
7	09/17/2014	11:15:12	0.067
8	09/17/2014	11:30:12	0.071
9	09/17/2014	11:45:12	0.073
10	09/17/2014	12:00:12	0.076
11	09/17/2014	12:15:12	0.077
12	09/17/2014	12:30:12	0.063
13	09/17/2014	12:45:12	0.057
14	09/17/2014	13:00:12	0.056
15	09/17/2014	13:15:12	0.042
16	09/17/2014	13:30:12	0.034
17	09/17/2014	13:45:12	0.028
18	09/17/2014	14:00:12	0.026
19	09/17/2014	14:15:12	0.025
20	09/17/2014	14:30:12	0.024
21	09/17/2014	14:45:12	0.027
22	09/17/2014	15:00:12	0.031
23	09/17/2014	15:15:12	0.037
24	09/17/2014	15:30:12	0.040
25	09/17/2014	15:45:12	0.031
26	09/17/2014	16:00:12	0.024
27	09/17/2014	16:15:12	0.036
28	09/17/2014	16:30:12	0.044
29	09/17/2014	16:45:12	0.037
30	09/17/2014	17:00:12	0.034
31	09/17/2014	17:15:12	0.032
32	09/17/2014	17:30:12	0.030
33	09/17/2014	17:45:12	0.031
34	09/17/2014	18:00:12	0.033
35	09/17/2014	18:15:12	0.027

Test Data			
Data Point	Date	Time	AEROSOL mg/m^3
36	09/17/2014	18:30:12	0.026
37	09/17/2014	18:45:12	0.023
38	09/17/2014	19:00:12	0.027
39	09/17/2014	19:15:12	0.023
40	09/17/2014	19:30:12	0.022
41	09/17/2014	19:45:12	0.020
42	09/17/2014	20:00:12	0.019