

Weekly Air Monitoring Report
Hangar 1 Remedial Action, Moffett Field, California
Contract N62473-08-D-8816-0005

This report summarizes the air monitoring activities performed as part of the Non-Time Critical Removal Action for Polychlorinated Biphenyl Compound (PCB) contamination at Hangar 1. Air monitoring is being performed in accordance with the Final Air Monitoring Plan dated June 2010. The results of the baseline air monitoring program and derivation of action levels was presented in a previous report dated 13 August 2010.

This report contains the available monitoring data as of 12 August 2010. Analytical results for perimeter and work zone air samples are summarized in Table 1 attached. Sample locations are shown on Figure 1. Personnel (worker) air monitoring data are presented in Table 2. Site perimeter particulate monitoring data are summarized in Table 3 and shown graphically in the attachment to this report. Significant observations for the current reporting period are presented below.

1.0 Site Perimeter Air Monitoring

1.1 Particulate (PM10) Continuous Air Monitoring

Particulate (Dust Trak) monitors have been operating continuously at the upwind and downwind locations shown on Figure 1 since the start of removal action activities. The site perimeter action level for particulates less than ten micrometers in diameter (PM10) is 0.18 mg/m³ (milligrams per cubic meter of air). The monitoring data for the current reporting period are shown in Table 3 and a time plot graphical representation of the data relative to the action limit is also attached.

- All monitoring results to date have been below the action level for particulates.

1.2 PCB Air Sampling Results

Contaminant-specific, extractive air samples were collected and analyzed for PCBs at the locations shown in Figure 1. The site perimeter action level for PCBs is 0.021 µg/m³. Analytical data for the current reporting period are presented in Table 1.

- All PCB sample analyses have been below the action level with the exception of one sample collected on 08 July 2010 (see Table 1, sample location F02). A baseline downwind sample collected before the removal action work started contained 0.13 µg/m³ PCB, which is above the action level. AMEC observed a helicopter taking off and landing in close proximity to the downwind sample during the 24 hour period when the sample was collected. It is unclear what caused the elevated PCB result; however it may be related to disturbance of existing soil and dust at this location due to helicopter activity.

1.3 Lead Air Sampling Results

Contaminant-specific, extractive air samples were collected and analyzed for lead at the locations shown in Figure 1. The site perimeter action level for lead is 1.0 µg/m³. Analytical data for the current reporting period are presented in Table 1.

AMEC Earth & Environmental, Inc.
9210 Sky Park Court, Suite 200
San Diego, California
Tel: (858) 300-4300
Fax: (858) 300-4301

www.amec.com

- All sampling results to date have been below the action level for lead.

1.4 Asbestos Air Sampling Results

Contaminant-specific, extractive air samples were collected and analyzed for asbestos at the locations shown in Figure 1. The site perimeter action level for asbestos is 0.001 f/cc (fibers per cubic centimeter of air). Analytical data for the current reporting period are presented in Table 1.

- To date, five samples contained asbestos concentrations above the action level but below the industry standard clean air level of 0.01 f/cc for asbestos abatement. The five samples were collected on 7/8/10 at station F02, 7/9/10 at F01, 7/14/10 at F01, 7/15/10 at F02, and 7/15/10 at F01 (see Table 1). These samples were all analyzed by Phase Contrast Microscopy (PCM) and none of the samples exceeded the maximum detected background level of 0.003 f/cc. It should be noted that the action level 0.001 f/cc is essentially the laboratory detection limit for PCM analysis. The Air Monitoring Plan suggests that any samples exceeding the action limit be further analyzed by Transmission Electron Microscopy (TEM) to determine if asbestos is actually present. Since, asbestos abatement activities have not yet begun, no further analysis or testing was conducted at this time; however once abatement begins, any elevated PCM sample analyses will be subsequently analyzed by TEM.

2.0 Personal Air Monitoring

2.1 PCB Air Sampling Results

Personal air samples were collected and analyzed for PCBs in the work zone during the reporting period. The Permissible Exposure Limit (PEL) for PCBs is 500 $\mu\text{g}/\text{m}^3$. Please note the PEL of 500 $\mu\text{g}/\text{m}^3$ is based on the allowed exposure for a worker in an 8 hour day, and is therefore higher than the fence line perimeter action level.

- To date, no analyses have been received for personal PCB air samples. Results will be reported in a subsequent report.

2.2 Lead Air Sampling Results

Personal air samples were collected and analyzed for lead in the work zone during the reporting period (see Table 2). The Permissible Exposure Limit (PEL) for lead is 50 $\mu\text{g}/\text{m}^3$ and the action limit is 30 $\mu\text{g}/\text{m}^3$. Please note the PEL of 50 $\mu\text{g}/\text{m}^3$ is based on the allowed exposure for a worker in an 8 hour day, and is therefore higher than the site perimeter action level.

- All sampling to date has been below the action level and PEL for lead.

2.3 Asbestos Air Sampling Results

Personal air samples were collected and analyzed for asbestos in the work zone during the reporting period. The PEL for asbestos is 1.0 f/cc, which is based on the allowed exposure for a worker and is therefore higher than the site perimeter action level.

- To date, no analyses have been received for personal asbestos air samples. Results will be reported in a subsequent report.

Table 1
Air Monitoring Results for
Asbestos, Lead, Total Dust, and PCBs

See Notes, Abbreviations and Acronyms at the end of the table.

Date	Sample Location	Upwind/ Downwind	Sample Number	Method	Analyte	Result	Units	Action Level	Notes
3/16/2010	M03	N/A	RA-AM-316-004	NIOSH 7082	Lead	< 3.3	µg/m ³	30 µg/m ³	3, 7
3/16/2010	M03	N/A	RA-AM-316-005	NIOSH 7082	Lead	< 3.4	µg/m ³	30 µg/m ³	3, 7
3/16/2010	M03	N/A	RA-AM-316-005	NIOSH 0500	Total Dust	< 0.02	mg/m ³	-	7
3/16/2010	M01	N/A	RA-AM-316-006	NIOSH 7402	Asbestos	< 0.00125	fibers/cc	0.01 fibers/cc	2, 7
3/16/2010	F01	D	RA-AM-316-008	NIOSH 7402	Asbestos	< 0.00146	fibers/cc	0.001 fibers/cc	2, 7
3/16/2010	F01	D	RA-AM-316-009	NIOSH 7400	Asbestos	< 0.001	fibers/cc	0.001 fibers/cc	2, 7
3/16/2010	F01	D	RA-AM-316-010	NIOSH 7082	Lead	< 5.1	µg/m ³	1.0 µg/m ³	3, 7
3/16/2010	F01	D	RA-AM-316-010	NIOSH 0500	Total Dust	< 0.03	mg/m ³	0.26 mg/m ³	7
3/16/2010	F01	D	RA-AM-316-011	NIOSH 7082	Lead	< 3.5	µg/m ³	1.0 µg/m ³	3, 7
3/16/2010	F01	D	RA-AM-316-012	EPA TO-10A	PCBs	< 0.10	µg/sample	0.021 µg/m ³	1, 7
3/16/2010	M01	N/A	RA-AM-316-013	NIOSH 7400	Asbestos	< 0.001	fibers/cc	0.01 fibers/cc	2, 7
3/16/2010	F04	U	RA-AM-316-014	NIOSH 7082	Lead	< 1.6	µg/m ³	1.0 µg/m ³	3, 7
3/16/2010	F04	U	RA-AM-316-014	NIOSH 0500	Total Dust	< 0.01	mg/m ³	0.26 mg/m ³	7
3/16/2010	F04	U	RA-AM-316-015	NIOSH 7402	Asbestos	< 0.001	fibers/cc	0.001 fibers/cc	2, 7
3/16/2010	F04	U	RA-AM-316-016	EPA TO-10A	PCBs	< 0.10	µg/sample	0.021 µg/m ³	1, 7
3/17/2010	F02	D	RA-AM-317-018	NIOSH 7402	Asbestos	< 0.00146	fibers/cc	0.001 fibers/cc	2, 7
3/17/2010	F02	D	RA-AM-317-019	NIOSH 7082	Lead	< 2.3	µg/m ³	1.0 µg/m ³	3, 7
3/17/2010	F02	D	RA-AM-317-019	NIOSH 0500	Total Dust	< 0.02	mg/m ³	0.26 mg/m ³	7
3/17/2010	F02	D	RA-AM-317-020	EPA TO-10A	PCBs	< 0.10	µg/sample	0.021 µg/m ³	1, 4, 7
3/17/2010	M02	N/A	RA-AM-317-022	EPA TO-10A	PCBs	< 0.10	µg/sample	500 µg/m ³	1, 7
3/17/2010	M01	N/A	RA-AM-317-023	EPA TO-10A	PCBs	< 0.10	µg/sample	500 µg/m ³	1, 7
7/8/2010	F04	U	Pb-F04-0001	NIOSH 7300	Lead	< 0.52	µg/m ³	1.0 µg/m ³	3, 7
7/8/2010	F04	U	ASB-F04-0002	NIOSH 7400	Asbestos	< 0.002	fibers/cc	0.001 fibers/cc	2, 7
7/8/2010	F04	U	PCB-F04-003	EPA TO-10A	PCBs	< 0.017	µg/m ³	0.021 µg/m ³	1, 7
7/8/2010	F02	D	Pb-F02-0004	NIOSH 7300	Lead	< 0.46	µg/m ³	1.0 µg/m ³	3, 5, 7
7/8/2010	F02	D	ASB-F02-0005	NIOSH 7400	Asbestos	0.003	fibers/cc	0.001 fibers/cc	2, 5, 7
7/8/2010	F02	D	PCB-F02-0006	EPA TO-10A	PCBs	0.13	µg/m ³	0.021 µg/m ³	1, 5, 6, 7
7/8/2010	F01	D	Pb-F01-0009	NIOSH 7300	Lead	< 0.52	µg/m ³	1.0 µg/m ³	3, 7
7/8/2010	F01	D	ASB-F01-0008	NIOSH 7400	Asbestos	< 0.002	fibers/cc	0.001 fibers/cc	2, 7
7/8/2010	F01	D	PCB-F01-0007	EPA TO-10A	PCBs	< 0.017	µg/m ³	0.021 µg/m ³	1, 7
7/8/2010	M01	N/A	Pb-M01-0012	NIOSH 7300	Lead	< 0.52	µg/m ³	30 µg/m ³	3, 7
7/8/2010	M01	N/A	ASB-M01-0011	NIOSH 7400	Asbestos	< 0.003	fibers/cc	0.01 fibers/cc	2, 7
7/8/2010	M01	N/A	PCB-M01-0010	EPA TO-10A	PCBs	0.15	µg/m ³	500 µg/m ³	7, 8

Abbreviations/Acronyms:

F01 = Fixed Station # (See Map)

M01 = Mobile Station # (See Map)

U = Upwind

D = Downwind

cc = cubic centimeter

µg/m³ = microgram/cubic meter

mg/m³ = milligram/cubic meter

N/A = Not Applicable

PCBs = Polychlorinated biphenyls - Aroclor 1262 reported unless otherwise noted

Notes:

1. Action level is based on Industrial Level Regional Screening Level (RSL) for PCBs.
2. Ambient asbestos action level at the fence line is based on 0.001 fibers/cc.
3. Ambient lead action level is based on BAAQMD Hazardous Air Pollutant Standard over a 24 hr. period.
4. Police activity (training with vehicles) during sample collection.
5. Helicopter landed and took off adjacent to this sample location.
6. Results in **bold** indicate values above the action level.
7. Background result
8. Action Level based on permissible exposure limit. Sample collected inside hangar.

Table 1
Air Monitoring Results for
Asbestos, Lead, Total Dust, and PCBs

See Notes, Abbreviations and Acronyms at the end of the table.

Date	Sample Location	Upwind/Downwind	Sample Number	Method	Analyte	Result	Units	Action Level	Notes
7/8/2010	M02	N/A	PCB-M02-0013	EPA TO-10A	PCBs	0.17	µg/m ³	500 µg/m ³	7, 8
7/9/2010	F04	U	Pb-F04-0014	NIOSH 7300	Lead	< 0.52	µg/m ³	1.0 µg/m ³	3, 7
7/9/2010	F04	U	ASB-F04-0015	NIOSH 7400	Asbestos	< 0.001	fibers/cc	0.001 fibers/cc	2, 7
7/9/2010	F04	U	PCB-F04-0016	EPA TO-10A	PCBs	< 0.017	µg/m ³	0.021 µg/m ³	1, 7
7/9/2010	F02	D	Pb-F02-0017	NIOSH 7300	Lead	< 0.46	µg/m ³	1.0 µg/m ³	3, 7
7/9/2010	F02	D	ASB-F02-0018	NIOSH 7400	Asbestos	0.002	fibers/cc	0.001 fibers/cc	2, 7
7/9/2010	F02	D	PCB-F02-0019	EPA TO-10A	PCBs	< 0.017	µg/m ³	0.021 µg/m ³	1, 7
7/9/2010	F01	D	Pb-F01-0020	NIOSH 7300	Lead	< 0.46	µg/m ³	1.0 µg/m ³	3, 7
7/9/2010	F01	D	ASB-F01-0021	NIOSH 7400	Asbestos	< 0.002	fibers/cc	0.001 fibers/cc	2, 7
7/9/2010	F01	D	PCB-F01-0022	EPA TO-10A	PCBs	< 0.017	µg/m ³	0.021 µg/m ³	1, 7
7/9/2010	M01	N/A	Pb-M01-0024	NIOSH 7300	Lead	< 0.52	µg/m ³	30 µg/m ³	3, 7
7/9/2010	M01	N/A	ASB-M01-0023	NIOSH 7400	Asbestos	< 0.002	fibers/cc	0.01 fibers/cc	7, 8
7/9/2010	M01	N/A	PCB-M01-0025	EPA TO-10A	PCBs	< 0.017	µg/m ³	500 µg/m ³	7, 8
7/9/2010	M02	N/A	PCB-M02-0026	EPA TO-10A	PCBs	0.15	µg/m ³	500 µg/m ³	7, 8
7/12/2010	F04	U	Pb-F04-0027	NIOSH 7300	Lead	< 0.92	µg/m ³	1.0 µg/m ³	3, 7
7/12/2010	F04	U	ASB-F04-0028	NIOSH 7400	Asbestos	< 0.002	fibers/cc	0.001 fibers/cc	2, 7
7/12/2010	F04	U	PCB-F04-0029	EPA TO-10A	PCBs	< 0.017	µg/m ³	0.021 µg/m ³	1, 7
7/12/2010	F02	D	Pb-F02-0030	NIOSH 7300	Lead	< 0.92	µg/m ³	1.0 µg/m ³	3, 7
7/12/2010	F02	D	ASB-F02-0031	NIOSH 7400	Asbestos	< 0.002	fibers/cc	0.001 fibers/cc	2, 7
7/12/2010	F02	D	PCB-F02-0032	EPA TO-10A	PCBs	< 0.017	µg/m ³	0.021 µg/m ³	1, 7
7/12/2010	F01	D	Pb-F01-0035	NIOSH 7300	Lead	< 0.92	µg/m ³	1.0 µg/m ³	3, 7
7/12/2010	F01	D	ASB-F01-0034	NIOSH 7400	Asbestos	< 0.002	fibers/cc	0.001 fibers/cc	2, 7
7/12/2010	F01	D	PCB-F01-0033	EPA TO-10A	PCBs	< 0.017	µg/m ³	0.021 µg/m ³	1, 7
7/12/2010	M01	N/A	Pb-M01-0038	NIOSH 7300	Lead	< 0.92	µg/m ³	30 µg/m ³	3, 7
7/12/2010	M01	N/A	ASB-M01-0037	NIOSH 7400	Asbestos	< 0.002	fibers/cc	0.01 fibers/cc	7, 8
7/12/2010	M01	N/A	PCB-M01-0036	EPA TO-10A	PCBs	0.18	µg/m ³	500 µg/m ³	7, 8
7/12/2010	M02	N/A	PCB-M02-0039	EPA TO-10A	PCBs	0.13	µg/m ³	500 µg/m ³	7, 8
7/13/2010	F04	U	Pb-F04-0040	NIOSH 7300	Lead	< 0.92	µg/m ³	1.0 µg/m ³	3
7/13/2010	F04	U	ASB-F04-0041	NIOSH 7400	Asbestos	< 0.002	fibers/cc	0.001 fibers/cc	2
7/13/2010	F04	U	PCB-F04-0042	EPA TO-10A	PCBs	< 0.017	µg/m ³	0.021 µg/m ³	1
7/13/2010	F02	D	Pb-F02-0043	NIOSH 7300	Lead	< 0.92	µg/m ³	1.0 µg/m ³	3
7/13/2010	F02	D	ASB-F02-0044	NIOSH 7400	Asbestos	< 0.002	fibers/cc	0.001 fibers/cc	2
7/13/2010	F02	D	PCB-F02-0045	EPA TO-10A	PCBs	< 0.017	µg/m ³	0.021 µg/m ³	1

Abbreviations/Acronyms:

F01 = Fixed Station # (See Map)

M01 = Mobile Station # (See Map)

U = Upwind

D = Downwind

cc = cubic centimeter

µg/m³ = microgram/cubic meter

mg/m³ = milligram/cubic meter

N/A = Not Applicable

PCBs = Polychlorinated biphenyls - Aroclor 1262 reported unless otherwise noted

Notes:

1. Action level is based on Industrial Level Regional Screening Level (RSL) for PCBs.
2. Ambient asbestos action level at the fence line is based on 0.001 fibers/cc.
3. Ambient lead action level is based on BAAQMD Hazardous Air Pollutant Standard over a 24 hr. period.
4. Police activity (training with vehicles) during sample collection.
5. Helicopter landed and took off adjacent to this sample location.
6. Results in **bold** indicate values above the action level.
7. Background result
8. Action Level based on permissible exposure limit. Sample collected inside hangar.

Table 1
Air Monitoring Results for
Asbestos, Lead, Total Dust, and PCBs

See Notes, Abbreviations and Acronyms at the end of the table.

Date	Sample Location	Upwind/Downwind	Sample Number	Method	Analyte	Result	Units	Action Level	Notes
7/13/2010	F01	D	Pb-F01-0048	NIOSH 7300	Lead	< 0.92	µg/m ³	1.0 µg/m ³	3
7/13/2010	F01	D	ASB-F01-0047	NIOSH 7400	Asbestos	< 0.002	fibers/cc	0.001 fibers/cc	2
7/13/2010	F01	D	PCB-F01-0046	EPA TO-10A	PCBs	< 0.017	µg/m ³	0.021 µg/m ³	1
7/13/2010	M01	N/A	Pb-M01-0051	NIOSH 7300	Lead	< 0.92	µg/m ³	30 µg/m ³	8
7/13/2010	M01	N/A	ASB-M01-0050	NIOSH 7400	Asbestos	< 0.002	fibers/cc	0.01 fibers/cc	8
7/13/2010	M01	N/A	PCB-M01-0049	EPA TO-10A	PCBs	0.036	µg/m ³	500 µg/m ³	8
7/13/2010	M02	N/A	PCB-M02-0052	EPA TO-10A	PCBs	0.19	µg/m ³	500 µg/m ³	8
7/14/2010	F04	U	Pb-F04-0053	NIOSH 7300	Lead	< 0.92	µg/m ³	1.0 µg/m ³	3
7/14/2010	F04	U	ASB-F04-0054	NIOSH 7400	Asbestos	< 0.002	fibers/cc	0.001 fibers/cc	2
7/14/2010	F04	U	PCB-F04-0055	EPA TO-10A	PCBs	< 0.017	µg/m ³	0.021 µg/m ³	1
7/14/2010	F02	D	Pb-F02-0056	NIOSH 7300	Lead	< 0.92	µg/m ³	1.0 µg/m ³	3
7/14/2010	F02	D	ASB-F02-0057	NIOSH 7400	Asbestos	< 0.002	fibers/cc	0.001 fibers/cc	2
7/14/2010	F02	D	PCB-F02-0058	EPA TO-10A	PCBs	< 0.017	µg/m ³	0.021 µg/m ³	1
7/14/2010	F01	D	Pb-F01-0061	NIOSH 7300	Lead	< 0.92	µg/m ³	1.0 µg/m ³	3
7/14/2010	F01	D	ASB-F01-0060	NIOSH 7400	Asbestos	0.002	fibers/cc	0.001 fibers/cc	2
7/14/2010	F01	D	PCB-F01-0059	EPA TO-10A	PCBs	< 0.017	µg/m ³	0.021 µg/m ³	1
7/14/2010	M01	N/A	Pb-M01-0064	NIOSH 7300	Lead	< 0.91	µg/m ³	30 µg/m ³	8
7/14/2010	M01	N/A	ASB-M01-0063	NIOSH 7400	Asbestos	< 0.002	fibers/cc	0.01 fibers/cc	8
7/14/2010	M01	N/A	PCB-M01-0062	EPA TO-10A	PCBs	0.30	µg/m ³	500 µg/m ³	8
7/14/2010	M02	N/A	PCB-M02-0065	EPA TO-10A	PCBs	0.081	µg/m ³	500 µg/m ³	8
7/15/2010	F04	U	Pb-F04-0066	NIOSH 7300	Lead	< 0.91	µg/m ³	1.0 µg/m ³	3
7/15/2010	F04	U	ASB-F04-0067	NIOSH 7400	Asbestos	< 0.002	fibers/cc	0.001 fibers/cc	2
7/15/2010	F04	U	PCB-F04-0068	EPA TO-10A	PCBs	< 0.017	µg/m ³	0.021 µg/m ³	1
7/15/2010	F02	D	Pb-F02-0069	NIOSH 7300	Lead	< 0.92	µg/m ³	1.0 µg/m ³	3
7/15/2010	F02	D	ASB-F02-0070	NIOSH 7400	Asbestos	0.002	fibers/cc	0.001 fibers/cc	2
7/15/2010	F02	D	PCB-F02-0071	EPA TO-10A	PCBs	< 0.017	µg/m ³	0.021 µg/m ³	1
7/15/2010	F01	D	Pb-F01-0074	NIOSH 7300	Lead	< 0.92	µg/m ³	1.0 µg/m ³	3
7/15/2010	F01	D	ASB-F01-0073	NIOSH 7400	Asbestos	0.002	fibers/cc	0.001 fibers/cc	2
7/15/2010	F01	D	PCB-F01-0072	EPA TO-10A	PCBs	< 0.017	µg/m ³	0.021 µg/m ³	1
7/15/2010	M01	N/A	Pb-M01-0077	NIOSH 7300	Lead	< 0.91	µg/m ³	30 µg/m ³	8
7/15/2010	M01	N/A	ASB-M01-0076	NIOSH 7400	Asbestos	< 0.002	fibers/cc	0.01 fibers/cc	8
7/15/2010	M01	N/A	PCB-M01-0075	EPA TO-10A	PCBs	0.19	µg/m ³	500 µg/m ³	8
7/15/2010	M02	N/A	PCB-M02-0078	EPA TO-10A	PCBs	0.18	µg/m ³	500 µg/m ³	8

Abbreviations/Acronyms:

F01 = Fixed Station # (See Map)

M01 = Mobile Station # (See Map)

U = Upwind

D = Downwind

cc = cubic centimeter

µg/m³ = microgram/cubic meter

mg/m³ = milligram/cubic meter

N/A = Not Applicable

PCBs = Polychlorinated biphenyls - Aroclor 1262 reported unless otherwise noted

Notes:

1. Action level is based on Industrial Level Regional Screening Level (RSL) for PCBs.
2. Ambient asbestos action level at the fence line is based on 0.001 fibers/cc.
3. Ambient lead action level is based on BAAQMD Hazardous Air Pollutant Standard over a 24 hr. period.
4. Police activity (training with vehicles) during sample collection.
5. Helicopter landed and took off adjacent to this sample location.
6. Results in **bold** indicate values above the action level.
7. Background result
8. Action Level based on permissible exposure limit. Sample collected inside hangar.

Table 1
Air Monitoring Results for
Asbestos, Lead, Total Dust, and PCBs

See Notes, Abbreviations and Acronyms at the end of the table.

Date	Sample Location	Upwind/Downwind	Sample Number	Method	Analyte	Result	Units	Action Level	Notes
7/28/2010	F04	U	Pb-F04-0081	NIOSH 7300	Lead	< 0.28	µg/m ³	1.0 µg/m ³	3
7/28/2010	F02	D	Pb-F02-0084	NIOSH 7300	Lead	< 0.28	µg/m ³	1.0 µg/m ³	3
7/28/2010	F01	D	Pb-F01-0087	NIOSH 7300	Lead	< 0.27	µg/m ³	1.0 µg/m ³	3
7/28/2010	M01	N/A	Pb-M01-0090	NIOSH 7300	Lead	0.41	µg/m ³	30 µg/m ³	8
7/29/2010	F04	U	Pb-F04-0094	NIOSH 7300	Lead	< 0.27	µg/m ³	1.0 µg/m ³	3
7/29/2010	F02	D	Pb-F02-0097	NIOSH 7300	Lead	< 0.27	µg/m ³	1.0 µg/m ³	3
7/29/2010	F01	D	Pb-F01-0100	NIOSH 7300	Lead	< 0.27	µg/m ³	1.0 µg/m ³	3
7/29/2010	M01	N/A	Pb-M01-0103	NIOSH 7300	Lead	< 0.27	µg/m ³	30 µg/m ³	8
8/2/2010	F04	U	ASB-F04-0106	NIOSH 7400	Asbestos	< 0.002	fibers/cc	0.001 fibers/cc	2
8/2/2010	F02	D	ASB-F02-0109	NIOSH 7400	Asbestos	< 0.002	fibers/cc	0.001 fibers/cc	2
8/2/2010	F01	D	ASB-F01-0112	NIOSH 7400	Asbestos	< 0.002	fibers/cc	0.001 fibers/cc	2
8/2/2010	M01	N/A	ASB-M01-0115	NIOSH 7400	Asbestos	< 0.002	fibers/cc	0.01 fibers/cc	8
8/2/2010	F04	U	Pb-F04-0105	NIOSH 7300	Lead	< 0.28	µg/m ³	1.0 µg/m ³	3
8/2/2010	F02	D	Pb-F02-0108	NIOSH 7300	Lead	< 0.28	µg/m ³	1.0 µg/m ³	3
8/2/2010	F01	D	Pb-F01-0111	NIOSH 7300	Lead	< 0.28	µg/m ³	1.0 µg/m ³	3
8/2/2010	M01	N/A	Pb-M01-0114	NIOSH 7300	Lead	< 0.27	µg/m ³	30 µg/m ³	8

Abbreviations/Acronyms:

F01 = Fixed Station # (See Map)

M01 = Mobile Station # (See Map)

U = Upwind

D = Downwind

cc = cubic centimeter

µg/m³ = microgram/cubic meter

mg/m³ = milligram/cubic meter

N/A = Not Applicable

PCBs = Polychlorinated biphenyls - Aroclor 1262 reported unless otherwise noted

Notes:

1. Action level is based on Industrial Level Regional Screening Level (RSL) for PCBs.

2. Ambient asbestos action level at the fence line is based on 0.001 fibers/cc.

3. Ambient lead action level is based on BAAQMD Hazardous Air Pollutant Standard over a 24 hr. period.

4. Police activity (training with vehicles) during sample collection.

5. Helicopter landed and took off adjacent to this sample location.

6. Results in **bold** indicate values above the action level.

7. Background result

8. Action Level based on permissible exposure limit. Sample collected inside hangar.

Table 2
Personal Air Monitoring Results for Lead

DRAFT

See Notes, Abbreviations and Acronyms at the end of the table.

Abbreviations/Acronyms:

$\mu\text{g}/\text{m}^3$ = microgram/cubic meter

Notes:

1. Permissible Exposure Limit is 50 µg/m³, worker activity did not exceed the PEL.

Table 3
Summary of DustTrak Data

See Notes, Abbreviations and Acronyms at the end of the table.

Start Date	End Date	Total Time	Fixed Station	Upwind/Downwind	Avg. Result (mg/m ³)	Max Result (mg/m ³)	Max Date	Max Time	Action Level (mg/m ³)	Notes
6/29/2010	6/30/2010	0:23:13:00	F02	D	0.019	0.024	6/30/2010	3:24:59	0.18	1
7/6/2010	7/6/2010	0:11:11:00	F01	U	0.016	0.037	7/6/2010	15:23:33	0.18	1
7/6/2010	7/7/2010	1:01:12:00	F04	U	0.016	0.021	7/7/2010	8:30:28	0.18	1
7/6/2010	7/7/2010	1:01:11:00	F02	D	0.015	0.025	7/7/2010	9:03:43	0.18	1
7/7/2010	7/9/2010	1:21:01:00	F04	U	0.015	0.023	7/7/2010	13:06:47	0.18	1
7/7/2010	7/8/2010	0:15:54:00	F02	D	0.017	0.023	7/7/2010	13:18:16	0.18	1
7/7/2010	7/9/2010	2:04:49:00	F01	D	0.014	0.022	7/7/2010	13:04:27	0.18	1
7/8/2010	7/9/2010	1:07:39:00	F02	D	0.011	0.021	7/8/2010	10:50:47	0.18	1
7/9/2010	7/9/2010	0:01:23:00	F02	D	0.013	0.016	7/9/2010	19:29:46	0.18	1
7/9/2010	7/12/2010	3:03:14:00	F04	U	0.019	0.041	7/10/2010	9:02:40	0.18	1
7/12/2010	7/13/2010	0:22:52:00	F04	U	0.015	0.023	7/13/2010	12:05:57	0.18	1
7/12/2010	7/13/2010	0:22:50:00	F02	D	0.012	0.017	7/13/2010	3:20:02	0.18	1
7/13/2010	7/14/2010	1:03:42:00	F04	U	0.018	0.032	7/14/2010	8:24:03	0.18	1
7/13/2010	7/14/2010	1:03:50:00	F01	D	0.014	0.031	7/14/2010	8:18:54	0.18	1
7/14/2010	7/15/2010	0:14:29:00	F02	D	0.014	0.018	7/15/2010	6:19:55	0.18	1
7/15/2010	7/15/2010	0:05:00:00	F02	D	0.016	0.018	7/15/2010	8:10:57	0.18	1
7/15/2010	7/20/2010	5:01:30:00	F04	U	0.026	0.046	7/15/2010	5:48:32	0.18	1
7/15/2010	7/20/2010	4:19:00:00	F02	D	0.025	0.044	7/17/2010	5:57:01	0.18	1
7/15/2010	7/20/2010	4:20:00:00	F01	D	0.023	0.044	7/17/2010	5:40:48	0.18	1
7/20/2010	7/22/2010	1:22:30:00	F02	D	0.019	0.041	7/20/2010	11:42:53	0.18	1
7/20/2010	7/22/2010	2:03:00:00	F01	D	0.017	0.033	7/20/2010	13:01:44	0.18	1
7/21/2010	7/21/2010	0:05:30:00	F02	D	0.015	0.017	7/21/2010	13:25:00	0.18	1
7/22/2010	7/26/2010	3:16:00:00	F02	D	0.017	0.042	7/23/2010	1:05:36	0.18	1
7/22/2010	7/25/2010	3:19:30:00	F01	D	0.014	0.040	7/22/2010	19:43:47	0.18	1
7/26/2010	7/27/2010	1:04:22:00	F04	U	0.019	0.028	7/26/2010	12:36:27	0.18	1
7/26/2010	7/27/2010	1:03:00:00	F02	D	0.016	0.023	7/26/2010	7:35:00	0.18	1
7/26/2010	7/27/2010	0:19:00:00	F01	D	0.013	0.017	7/26/2010	20:47:41	0.18	1
7/27/2010	7/28/2010	0:21:55:00	F04	U	0.014	0.028	7/28/2010	3:38:39	0.18	1
7/27/2010	7/28/2010	0:19:30:00	F02	D	0.01	0.022	7/28/2010	2:51:49	0.18	1
7/27/2010	7/28/2010	0:19:30:00	F01	D	0.007	0.021	7/28/2010	3:02:41	0.18	1
7/28/2010	7/28/2010	0:06:30:00	F04	U	0.016	0.028	7/28/2010	11:25:05	0.18	1

Abbreviations/Acronyms:

F01 = Fixed Station # (See Map)

mg/m³ = milligram/cubic meter

U = Upwind

D = Downwind

N/A = Not Applicable

1:02:03:04 = Day:Hour:Minute:Second

Notes:

1. Derived by from the appropriate RSL, existing average dust concentrations and the background dust sampling.

Table 3
Summary of DustTrak Data

See Notes, Abbreviations and Acronyms at the end of the table.

Start Date	End Date	Total Time	Fixed Station	Upwind/Downwind	Avg. Result (mg/m ³)	Max Result (mg/m ³)	Max Date	Max Time	Action Level (mg/m ³)	Notes
7/28/2010	7/29/2010	0:22:30:00	F02	D	0.023	0.045	7/28/2010	13:25:06	0.18	1
7/28/2010	7/29/2010	0:22:30:00	F01	D	0.014	0.030	7/28/2010	11:28:11	0.18	1
7/29/2010	8/2/2010	3:22:30:00	F04	U	0.021	0.050	7/31/2010	13:14:57	0.18	1
7/30/2010	8/2/2010	3:16:00:00	F02	D	0.024	0.061	7/31/2010	20:44:23	0.18	1
7/29/2010	8/2/2010	3:22:30:00	F01	D	0.023	0.056	7/31/2010	15:43:53	0.18	1
8/2/2010	8/3/2010	0:21:00:00	F04	U	0.016	0.034	8/3/2010	8:23:51	0.18	1
8/2/2010	8/3/2010	0:21:00:00	F02	D	0.016	0.032	8/2/2010	19:36:38	0.18	1
8/2/2010	8/3/2010	0:21:00:00	F01	D	0.018	0.034	8/2/2010	22:24:48	0.18	1
8/3/2010	8/4/2010	0:21:00:00	F04	U	0.016	0.030	8/4/2010	7:46:37	0.18	1
8/3/2010	8/4/2010	0:21:00:00	F02	D	0.015	0.030	8/3/2010	22:29:08	0.18	1
8/3/2010	8/4/2010	0:21:00:00	F01	D	0.018	0.032	8/4/2010	18:18:00	0.18	1
8/4/2010	8/5/2010	1:00:30:00	F04	U	0.01	0.018	8/4/2010	10:48:47	0.18	1
8/4/2010	8/5/2010	1:00:30:00	F02	D	0.009	0.022	8/4/2010	21:59:41	0.18	1
8/4/2010	8/5/2010	1:01:00:00	F01	D	0.012	0.022	8/5/2010	0:17:38	0.18	1
8/5/2010	8/9/2010	3:20:30:00	F02	D	0.012	0.041	8/6/2010	21:43:56	0.18	1
8/5/2010	8/8/2010	3:20:30:00	F01	D	0.008	0.023	8/6/2010	0:01:09	0.18	1
8/5/2010	8/6/2010	1:00:00:00	F04	U	0.016	0.033	8/6/2010	13:33:09	0.18	1
8/9/2010	8/10/2010	0:23:30:00	F02	D	0.016	0.027	8/10/2010	18:16:37	0.18	1
8/9/2010	8/10/2010	0:23:30:00	F04	U	0.014	0.027	8/10/2010	10:33:57	0.18	1
8/9/2010	8/10/2010	0:23:30:00	F01	D	0.015	0.027	8/10/2010	21:04:51	0.18	1
8/10/2010	8/11/2010	1:01:00:00	F02	D	0.017	0.039	8/10/2010	21:10:39	0.18	1
8/10/2010	8/11/2010	1:01:00:00	F01	D	0.017	0.035	8/10/2010	12:34:55	0.18	1
8/10/2010	8/11/2010	1:01:00:00	F04	U	0.015	0.032	8/10/2010	13:28:31	0.18	1
8/11/2010	8/12/2010	0:23:00:00	F04	U	0.004	0.014	8/12/2010	12:02:49	0.18	1
8/11/2010	8/12/2010	0:23:30:00	F01	D	0.006	0.018	8/12/2010	12:12:59	0.18	1
8/11/2010	8/12/2010	0:23:30:00	F02	D	0.007	0.022	8/12/2010	12:36:52	0.18	1
8/16/2010	8/17/2010	1:00:30:00	F04	U	0.012	0.023	8/16/2010	12:50:04	0.18	1
8/16/2010	8/17/2010	1:00:30:00	F02	D	0.012	0.028	8/16/2010	12:54:25	0.18	1
8/16/2010	8/17/2010	1:01:00:00	F01	D	0.015	0.028	8/16/2010	12:57:59	0.18	1

Abbreviations/Acronyms:

F01 = Fixed Station # (See Map)

mg/m³ = milligram/cubic meter

U = Upwind

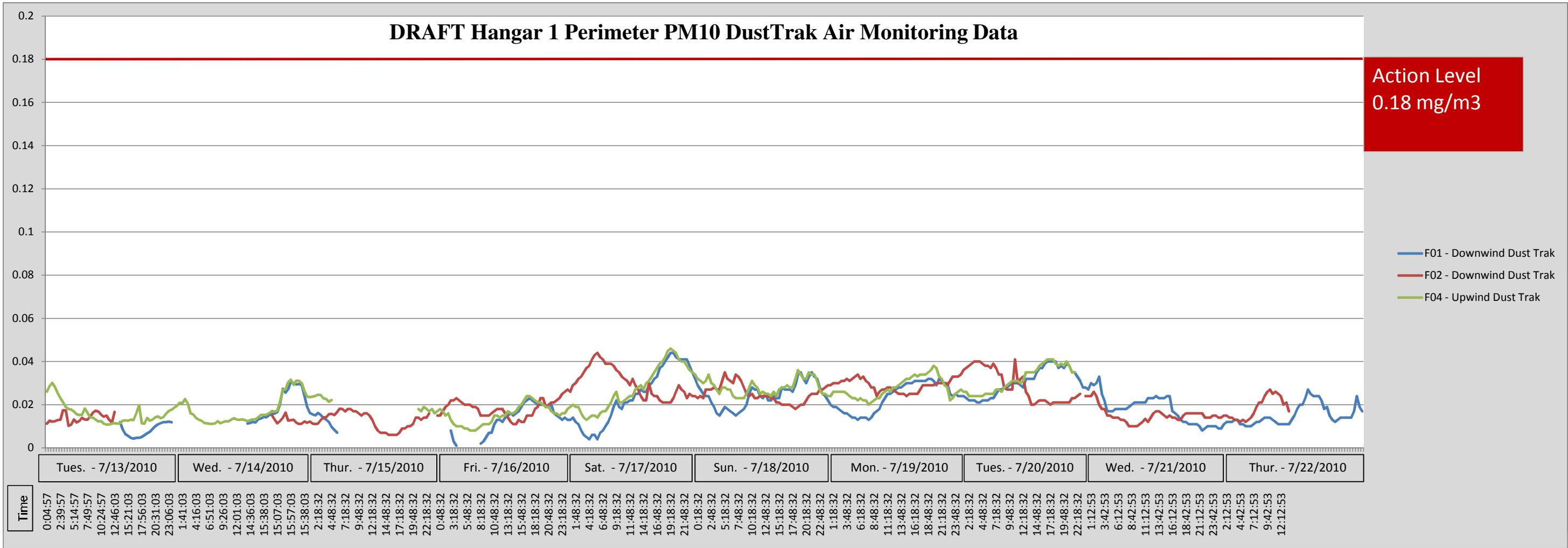
D = Downwind

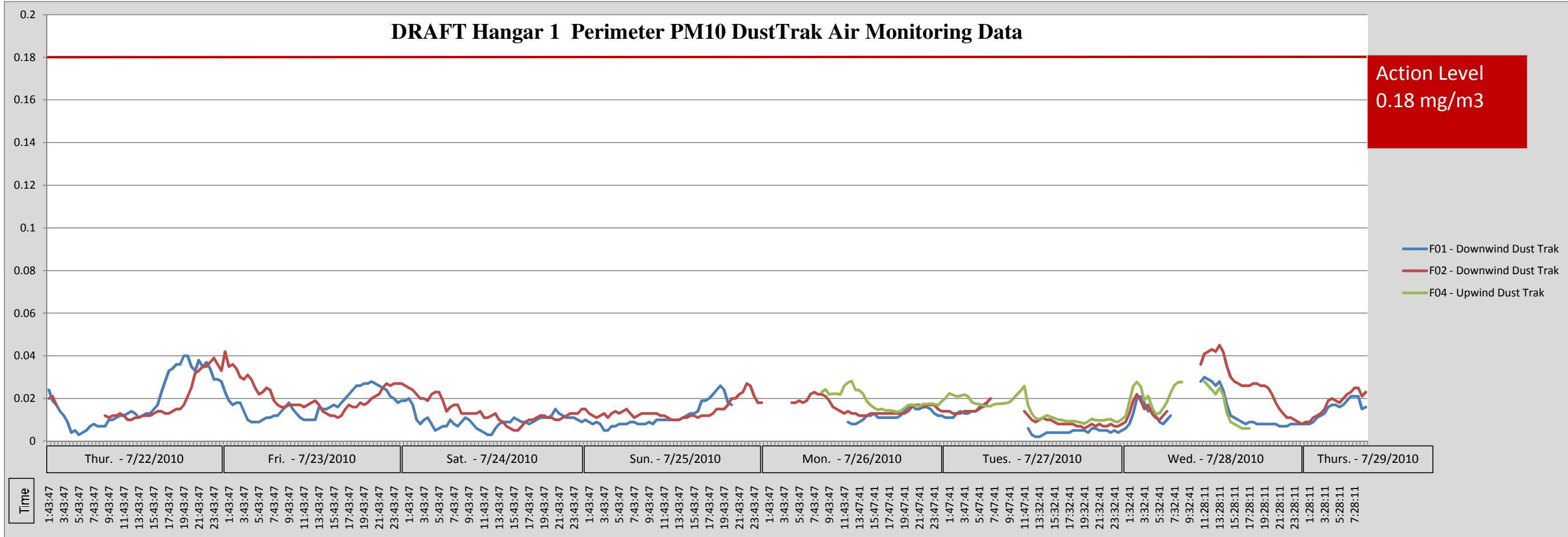
N/A = Not Applicable

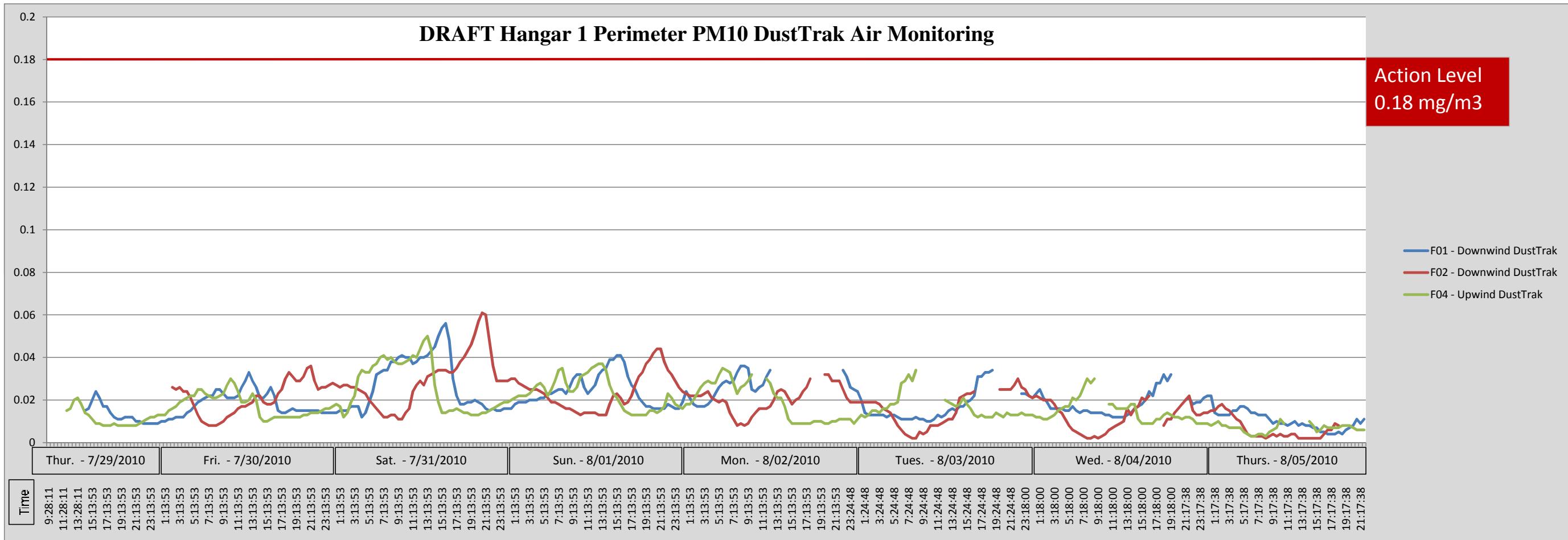
1:02:03:04 = Day:Hour:Minute:Second

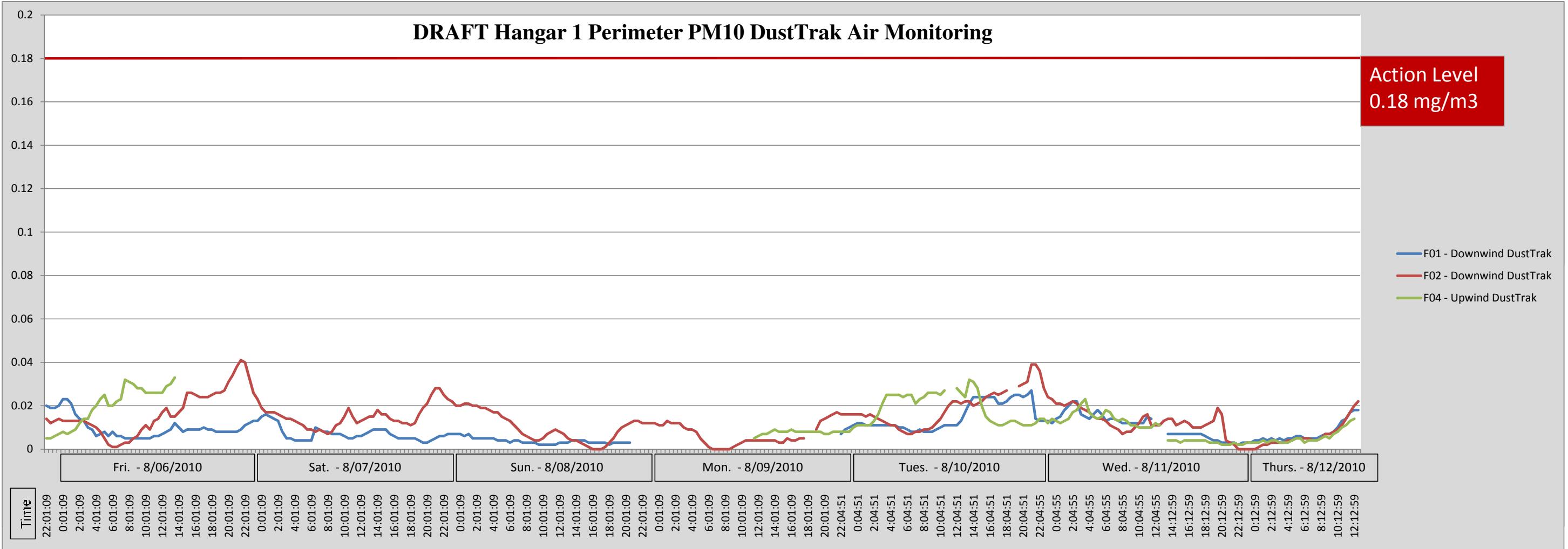
Notes:

1. Derived by from the appropriate RSL, existing average dust concentrations and the background dust sampling.



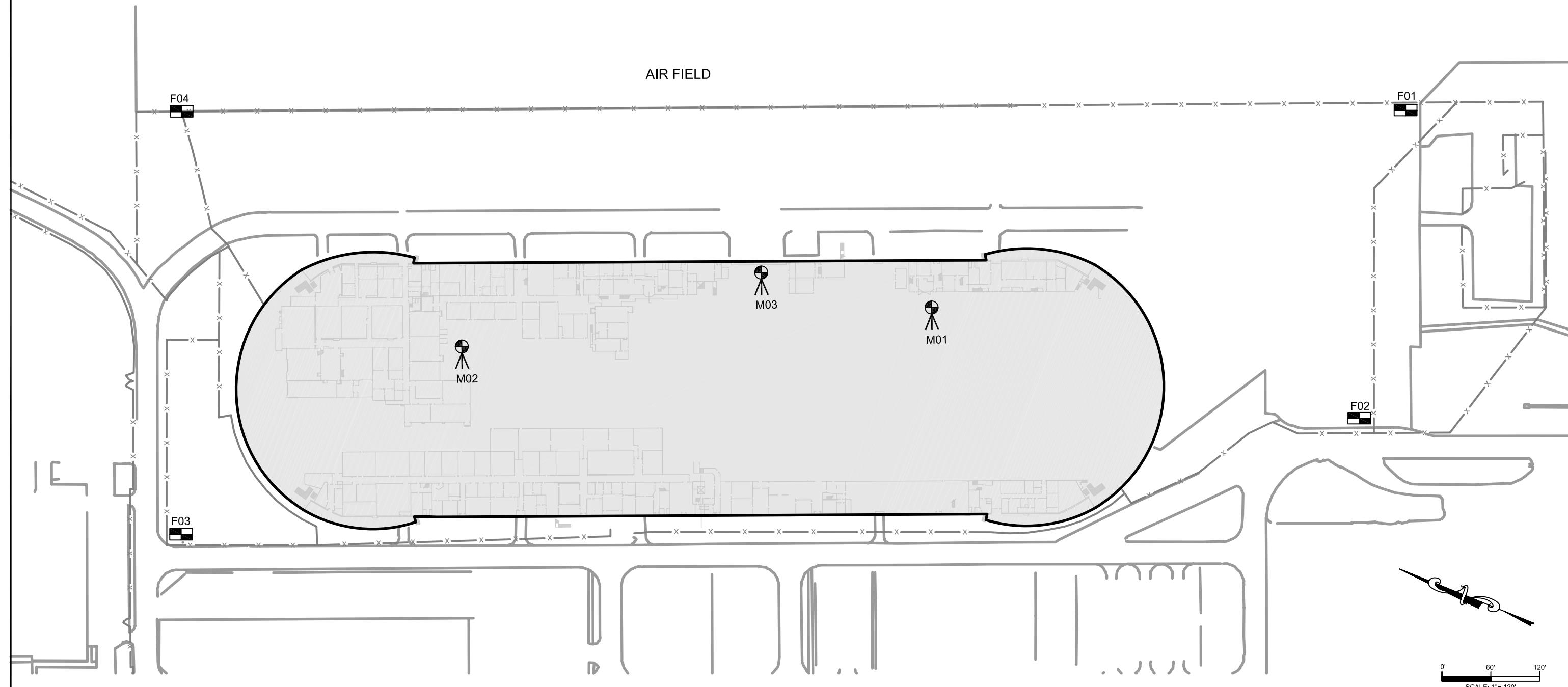






LEGEND

	Hangar 1 building perimeter
	Fence
	F02 Fixed air monitoring location
	M01 Mobile air sample location



NOTE:

DRAFT

U.S. Department of the Navy

AMEC Earth & Environmental
9210 Sky Court, Suite 200
San Diego, California 92123

DWN BY:

PM

CHK'D BY:

DB

DATUM:

NAD83

PROJECTION:

CA SP III Ft.

SCALE:

PROJECT

CTO005 MOFFETT HANGARDATE:
JULY 2010CONTRACT NO:
815102.0005.0002

REV. NO.: A

TITLE

AIR MONITORING SAMPLE LOCATIONS

FIGURE NO.

1