

**Former ASARCO-Encycle Demolition
Particulate Monitoring Summary
Week Ending 04-22-12**

Date: 4/16/2012 Technician: Carl Jones

Prevailing Wind Direction	Time	Unit 2-Upwind Reading	Unit 1-Downwind Reading	Action Level	Stop Work
	6:00 AM	30 min Avg	30 min Avg	0.035	0.045
	6:30 AM	30 min Avg	30 min Avg	0.035	0.045
	7:00 AM	30 min Avg	30 min Avg	0.035	0.045
	7:30 AM	30 min Avg	30 min Avg	0.035	0.045
	8:00 AM	30 min Avg	30 min Avg	0.035	0.045
	8:30 AM	30 min Avg	30 min Avg	0.035	0.045
	9:00 AM	30 min Avg	30 min Avg	0.035	0.045
	9:30 AM	30 min Avg	30 min Avg	0.035	0.045
	10:00 AM	30 min Avg	30 min Avg	0.035	0.045
	10:30 AM	30 min Avg	30 min Avg	0.035	0.045
	11:00 AM	30 min Avg	30 min Avg	0.035	0.045
	11:30 AM	30 min Avg	30 min Avg	0.035	0.045
	12:00 PM	30 min Avg	30 min Avg	0.035	0.045
	12:30 PM	30 min Avg	30 min Avg	0.035	0.045
	1:00 PM	30 min Avg	30 min Avg	0.035	0.045
	1:30 PM	30 min Avg	30 min Avg	0.035	0.045
	2:00 PM	30 min Avg	30 min Avg	0.035	0.045
	2:30 PM	30 min Avg	30 min Avg	0.035	0.045
	3:00 PM	30 min Avg	30 min Avg	0.035	0.045
	3:30 PM	30 min Avg	30 min Avg	0.035	0.045
	4:00 PM	30 min Avg	30 min Avg	0.035	0.045
	4:30 PM	30 min Avg	30 min Avg	0.035	0.045
	5:00 PM	30 min Avg	30 min Avg	0.035	0.045
	5:30 PM	30 min Avg	30 min Avg	0.035	0.045

E-BAM locations (Upwind)

Action Levels

Action level = upwind concentration + 0.035 mg/m³

Stop Work Level = upwind concentration + 0.045 mg/m³

April 12-27, with a Northerly component:

Action level=upwind concentration + 0.11 mg/m³

Stop Work Level= upwind concentration + 0.14 mg/m³

Note time/duration of work stoppage: Work did not start due to high northerly wind with thunderstorms.

Notes:

All readings in mg/m³

Blue text readings are pre-work levels that were collected during the E-Bam instrument warm-up period and are not considered accurate.

**Former ASARCO-Encycle Demolition
Particulate Monitoring Summary
Week Ending 04-22-12**

Date: 4/17/2012 Technician: Carl Jones

Prevailing Wind

Direction	Time	Unit 2-Upwind Reading	Unit 1-Downwind Reading	Action Level	Stop Work		
N	6:00 AM	30 min Avg	0	30 min Avg	0	0.011	0.014
N	6:30 AM	30 min Avg	0.007	30 min Avg	0.006	0.018	0.021
N	7:00 AM	30 min Avg	0.006	30 min Avg	0.017	0.017	0.020
N	7:30 AM	30 min Avg	0.013	30 min Avg	0.009	0.024	0.027
N	8:00 AM	30 min Avg	0.009	30 min Avg	0.016	0.020	0.023
N	8:30 AM	30 min Avg	0.002	30 min Avg	0.055	0.013	0.016
NNE	9:00 AM	30 min Avg	0.009	30 min Avg	0.004	0.020	0.023
NNE	9:30 AM	30 min Avg	0.022	30 min Avg	0.011	0.033	0.036
NNE	10:00 AM	30 min Avg	0.033	30 min Avg	0.037	0.044	0.047
NE	10:30 AM	30 min Avg	0.02	30 min Avg	0.021	0.031	0.034
NE	11:00 AM	30 min Avg	0.007	30 min Avg	0.023	0.018	0.021
NE	11:30 AM	30 min Avg	0.015	30 min Avg	0.005	0.026	0.029
N	12:00 PM	30 min Avg	0.003	30 min Avg	0.021	0.014	0.017
	12:30 PM	30 min Avg		30 min Avg		0.035	0.045
	1:00 PM	30 min Avg		30 min Avg		0.035	0.045
	1:30 PM	30 min Avg		30 min Avg		0.035	0.045
	2:00 PM	30 min Avg		30 min Avg		0.035	0.045
	2:30 PM	30 min Avg		30 min Avg		0.035	0.045
	3:00 PM	30 min Avg		30 min Avg		0.035	0.045
	3:30 PM	30 min Avg		30 min Avg		0.035	0.045
	4:00 PM	30 min Avg		30 min Avg		0.035	0.045
	4:30 PM	30 min Avg		30 min Avg		0.035	0.045
	5:00 PM	30 min Avg		30 min Avg		0.035	0.045
	5:30 PM	30 min Avg		30 min Avg		0.035	0.045

E-BAM locations (Upwind) NW- west of building 14 (Downwind) SW- south of building 3

Action Levels

Action level = upwind concentration + 0.035 mg/m³
Stop Work Level = upwind concentration + 0.045 mg/m³

April 12-27, with a Northerly component:

Action level=upwind concentration + 0.11 mg/m³
Stop Work Level= upwind concentration + 0.14 mg/m³

Note time/duration of work stoppage: The 8:30 reading reached a stop work level. All work except for dust suppression stopped for 30 minutes until our next reading had shown we were in compliance to continue.
The 11:00 reading reached the second stop work level. All work stopped for the remainder of the day except for dust suppression and crews covering piles of debris with poly sheeting which ended at 11:30.

Notes:

All readings in mg/m³
Blue text readings are pre-work levels that were collected during the E-Bam instrument warm-up period and are not considered accurate.

**Former ASARCO-Encycle Demolition
Particulate Monitoring Summary
Week Ending 04-22-12**

Date: 4/18/2012 Technician: Carl Jones

Prevailing Wind

Direction	Time	Unit 2-Upwind Reading	Unit 1-Downwind Reading	Action Level	Stop Work
SE	6:00 AM	30 min Avg	0	0.035	0.045
SE	6:30 AM	30 min Avg	0.012	0.047	0.057
SE	7:00 AM	30 min Avg	0.022	0.057	0.067
SE	7:30 AM	30 min Avg	0.001	0.036	0.046
E	8:00 AM	30 min Avg	0.023	0.058	0.068
ENE	8:30 AM	30 min Avg	0.032	0.043	0.046
ENE	9:00 AM	30 min Avg	0	0.011	0.014
ENE	9:30 AM	30 min Avg	0.004	0.015	0.018
ENE	10:00 AM	30 min Avg	0.012	0.023	0.026
E	10:30 AM	30 min Avg	0.008	0.043	0.053
E	11:00 AM	30 min Avg	0.013	0.048	0.058
ENE	11:30 AM	30 min Avg	0.003	0.014	0.017
ENE	12:00 PM	30 min Avg	0	0.011	0.014
ENE	12:30 PM	30 min Avg	0.013	0.024	0.027
E	1:00 PM	30 min Avg	0.004	0.039	0.049
ESE	1:30 PM	30 min Avg	0.006	0.041	0.051
E	2:00 PM	30 min Avg	0.004	0.039	0.049
E	2:30 PM	30 min Avg	0.003	0.038	0.048
E	3:00 PM	30 min Avg	0.007	0.042	0.052
E	3:30 PM	30 min Avg	0.009	0.044	0.054
E	4:00 PM	30 min Avg	0.005	0.040	0.050
E	4:30 PM	30 min Avg	0.01	0.045	0.055
ESE	5:00 PM	30 min Avg	0	0.035	0.045
E	5:30 PM	30 min Avg	0.006	0.041	0.051
E	6:00PM	30 min Avg	0	0.035	0.045
E	6:30 PM	30 min Avg	0	0.035	0.045

E-BAM locations (Upwind) SW- south of building 3 (Downwind) NW- west of building 14
[9:40 (Upwind) NW- west of building 14 (Downwind) SW- south of building 3]

Action Levels

Action level = upwind concentration + 0.035 mg/m³

Stop Work Level = upwind concentration + 0.045 mg/m³

April 12-27, with a Northerly component:

Action level=upwind concentration + 0.11 mg/m³

Stop Work Level= upwind concentration + 0.14 mg/m³

Note time/duration of work stoppage: The 10:00 reading reached a stop work level. All work except for dust suppression stopped for 30 minutes until the next reading had shown we were in compliance to continue.

All Work stopped at 6:05.

Notes:

All readings in mg/m³

Blue text readings are pre-work levels that were collected during the E-Bam instrument warm-up period and are considered accurate.

**Former ASARCO-Encycle Demolition
Particulate Monitoring Summary
Week Ending 04-22-12**

Date: 4/19/2012 Technician: Carl Jones

Prevailing Wind Direction	Time	Unit 2-Upwind Reading	Unit 1-Downwind Reading	Action Level	Stop Work		
S	6:00 AM	30 min Avg	0	30 min Avg	0	0.035	0.045
S	6:30 AM	30 min Avg	0.029	30 min Avg	0.02	0.064	0.074
S	7:00 AM	30 min Avg	0.018	30 min Avg	0.015	0.053	0.063
S	7:30 AM	30 min Avg	0.002	30 min Avg	0	0.037	0.047
S	8:00 AM	30 min Avg	0.051	30 min Avg	0.001	0.086	0.096
SSE	8:30 AM	30 min Avg	0	30 min Avg	0.048	0.035	0.045
S	9:00 AM	30 min Avg	0.006	30 min Avg	0.002	0.041	0.051
S	9:30 AM	30 min Avg	0.002	30 min Avg	0.014	0.037	0.047
S	10:00 AM	30 min Avg	0.001	30 min Avg	0	0.036	0.046
S	10:30 AM	30 min Avg	0.003	30 min Avg	0.007	0.038	0.048
S	11:00 AM	30 min Avg	0.002	30 min Avg	0.011	0.037	0.047
S	11:30 AM	30 min Avg	0.006	30 min Avg	0.011	0.041	0.051
S	12:00 PM	30 min Avg	0.006	30 min Avg	0.002	0.041	0.051
S	12:30 PM	30 min Avg	0	30 min Avg	0.007	0.035	0.045
S	1:00 PM	30 min Avg	0.004	30 min Avg	0	0.039	0.049
S	1:30 PM	30 min Avg	0.006	30 min Avg	0.003	0.041	0.051
S	2:00 PM	30 min Avg	0.003	30 min Avg	0.002	0.038	0.048
SSE	2:30 PM	30 min Avg	0.012	30 min Avg	0.007	0.047	0.057
SE	3:00 PM	30 min Avg	0.004	30 min Avg	0	0.039	0.049
SE	3:30 PM	30 min Avg	0.003	30 min Avg	0.009	0.038	0.048
ESE	4:00 PM	30 min Avg	0.005	30 min Avg	0	0.040	0.050
ESE	4:30 PM	30 min Avg	0.001	30 min Avg	0.013	0.036	0.046
ESE	5:00 PM	30 min Avg	0	30 min Avg	0.011	0.035	0.045
ESE	5:30 PM	30 min Avg	0.001	30 min Avg	0	0.036	0.046
	6:00 PM	30 min Avg		30 min Avg		0.035	0.045

E-BAM locations (Upwind) SW- south of building 3 (Downwind) NW- west of building 14

Action Levels

Action level = upwind concentration + 0.035 mg/m3

Stop Work Level = upwind concentration + 0.045 mg/m3

April 12-27, with a Northerly component:

Action level=upwind concentration + 0.11 mg/m3

Stop Work Level= upwind concentration + 0.14 mg/m3

Note time/ duration of work stoppage:8:30 reading reached a stop work level. All work except for dust suppression stopped for 30 minutes until the next reading had shown we were in compliance to continue.

Notes:

All readings in mg/m3

Blue text readings are pre-work levels that were collected during the E-Bam instrument warm-up period and are not considered accurate.

**Former ASARCO-Encycle Demolition
Particulate Monitoring Summary
Week Ending 04-22-12**

Date: 4/20/2012 Technician: Carl Jones

Prevailing Wind

Direction	Time	Unit 2-Upwind Reading	Unit 1-Downwind Reading	Action Level	Stop Work		
S	6:00 AM	30 min Avg	0	30 min Avg	0	0.035	0.045
S	6:30 AM	30 min Avg	0.007	30 min Avg	0.025	0.042	0.052
S	7:00 AM	30 min Avg	0.009	30 min Avg	0.016	0.044	0.054
S	7:30 AM	30 min Avg	0.007	30 min Avg	0.006	0.042	0.052
S	8:00 AM	30 min Avg	0.033	30 min Avg	0.012	0.068	0.078
SSE	8:30 AM	30 min Avg	0.016	30 min Avg	0.018	0.051	0.061
SSE	9:00 AM	30 min Avg	0	30 min Avg	0.005	0.035	0.045
SSE	9:30 AM	30 min Avg	0.028	30 min Avg	0.051	0.063	0.073
S	10:00 AM	30 min Avg	0.005	30 min Avg	0	0.040	0.050
S	10:30 AM	30 min Avg	0	30 min Avg	0.016	0.035	0.045
SSW	11:00 AM	30 min Avg	0.006	30 min Avg	0.014	0.041	0.051
SSW	11:30 AM	30 min Avg	0.017	30 min Avg	0.016	0.052	0.062
SSW	12:00 PM	30 min Avg	0.008	30 min Avg	0	0.043	0.053
ESE	12:30 PM	30 min Avg	0	30 min Avg	0.02	0.035	0.045
ESE	1:00 PM	30 min Avg	0	30 min Avg	0.008	0.035	0.045
ESE	1:30 PM	30 min Avg	0.019	30 min Avg	0.019	0.054	0.064
ESE	2:00 PM	30 min Avg	0.01	30 min Avg	0.003	0.045	0.055
ESE	2:30 PM	30 min Avg	0.01	30 min Avg	0.024	0.045	0.055
ENE	3:00 PM	30 min Avg	0.008	30 min Avg	0	0.019	0.022
NE	3:30 PM	30 min Avg	0.018	30 min Avg	0	0.029	0.032
NE	4:00 PM	30 min Avg	0	30 min Avg	0	0.011	0.014
	4:30 PM	30 min Avg		30 min Avg		0.035	0.045
	5:00 PM	30 min Avg		30 min Avg		0.035	0.045
	5:30 PM	30 min Avg		30 min Avg		0.035	0.045

E-BAM locations (Upwind) SW- south of building 3 (Downwind) NW- west of building 14
[3:05 (Upwind) NW- west of building 14 (Downwind) SW- south of building 3]

Action Levels

Action level = upwind concentration + 0.035 mg/m³

Stop Work Level = upwind concentration + 0.045 mg/m³

April 12-27, with a Northerly component:

Action level=upwind concentration + 0.11 mg/m³

Stop Work Level= upwind concentration + 0.14 mg/m³

Note time/duration of work stoppage: All work ended at 3:40 due to rain with approaching thunderstorms.

Notes:

All readings in mg/m³

Blue text readings are pre-work levels that were collected during the E-Bam instrument warm-up period and are not considered accurate.

**Former ASARCO-Encycle Demolition
Particulate Monitoring Summary
Week Ending 04-22-12**

Date: 4/21/2012 Technician: Carl Jones

Prevailing Wind Direction	Time	Unit 2-Upwind Reading	Unit 1-Downwind Reading	Action Level	Stop Work
	6:00 AM	30 min Avg	30 min Avg	0.035	0.045
	6:30 AM	30 min Avg	30 min Avg	0.035	0.045
	7:00 AM	30 min Avg	30 min Avg	0.035	0.045
	7:30 AM	30 min Avg	30 min Avg	0.035	0.045
	8:00 AM	30 min Avg	30 min Avg	0.035	0.045
	8:30 AM	30 min Avg	30 min Avg	0.035	0.045
	9:00 AM	30 min Avg	30 min Avg	0.035	0.045
	9:30 AM	30 min Avg	30 min Avg	0.035	0.045
	10:00 AM	30 min Avg	30 min Avg	0.035	0.045
	10:30 AM	30 min Avg	30 min Avg	0.035	0.045
	11:00 AM	30 min Avg	30 min Avg	0.035	0.045
	11:30 AM	30 min Avg	30 min Avg	0.035	0.045
	12:00 PM	30 min Avg	30 min Avg	0.035	0.045
	12:30 PM	30 min Avg	30 min Avg	0.035	0.045
	1:00 PM	30 min Avg	30 min Avg	0.035	0.045
	1:30 PM	30 min Avg	30 min Avg	0.035	0.045
	2:00 PM	30 min Avg	30 min Avg	0.035	0.045
	2:30 PM	30 min Avg	30 min Avg	0.035	0.045
	3:00 PM	30 min Avg	30 min Avg	0.035	0.045
	3:30 PM	30 min Avg	30 min Avg	0.035	0.045
	4:00 PM	30 min Avg	30 min Avg	0.035	0.045
	4:30 PM	30 min Avg	30 min Avg	0.035	0.045
	5:00 PM	30 min Avg	30 min Avg	0.035	0.045
	5:30 PM	30 min Avg	30 min Avg	0.035	0.045

E-BAM locations (Upwind)

Action Levels

Action level = upwind concentration + 0.035 mg/m³

Stop Work Level = upwind concentration + 0.045 mg/m³

April 12-27, with a Northerly component:

Action level=upwind concentration + 0.11 mg/m³

Stop Work Level= upwind concentration + 0.14 mg/m³

Note time/duration of work stoppage: No work

Notes:

All readings in mg/m³

Blue text readings are pre-work levels that were collected during the E-Bam instrument warm-up period and are not considered accurate.

**Former ASARCO-Encycle Demolition
Particulate Monitoring Summary
Week Ending 04-22-12**

Date: 4/22/2012 Technician: Carl Jones

Prevailing Wind

Direction	Time	Unit 2-Upwind Reading	Unit 1-Downwind Reading	Action Level	Stop Work
	6:00 AM	30 min Avg	30 min Avg	0.035	0.045
	6:30 AM	30 min Avg	30 min Avg	0.035	0.045
	7:00 AM	30 min Avg	30 min Avg	0.035	0.045
	7:30 AM	30 min Avg	30 min Avg	0.035	0.045
	8:00 AM	30 min Avg	30 min Avg	0.035	0.045
	8:30 AM	30 min Avg	30 min Avg	0.035	0.045
	9:00 AM	30 min Avg	30 min Avg	0.035	0.045
	9:30 AM	30 min Avg	30 min Avg	0.035	0.045
	10:00 AM	30 min Avg	30 min Avg	0.035	0.045
	10:30 AM	30 min Avg	30 min Avg	0.035	0.045
	11:00 AM	30 min Avg	30 min Avg	0.035	0.045
	11:30 AM	30 min Avg	30 min Avg	0.035	0.045
	12:00 PM	30 min Avg	30 min Avg	0.035	0.045
	12:30 PM	30 min Avg	30 min Avg	0.035	0.045
	1:00 PM	30 min Avg	30 min Avg	0.035	0.045
	1:30 PM	30 min Avg	30 min Avg	0.035	0.045
	2:00 PM	30 min Avg	30 min Avg	0.035	0.045
	2:30 PM	30 min Avg	30 min Avg	0.035	0.045
	3:00 PM	30 min Avg	30 min Avg	0.035	0.045
	3:30 PM	30 min Avg	30 min Avg	0.035	0.045
	4:00 PM	30 min Avg	30 min Avg	0.035	0.045
	4:30 PM	30 min Avg	30 min Avg	0.035	0.045
	5:00 PM	30 min Avg	30 min Avg	0.035	0.045
	5:30 PM	30 min Avg	30 min Avg	0.035	0.045
	6:00PM	30 min Avg	30 min Avg	0.035	0.045

E-BAM locations (Upwind)

Action Levels

Action level = upwind concentration + 0.035 mg/m³

Stop Work Level = upwind concentration + 0.045 mg/m³

April 12-27, with a Northerly component:

Action level=upwind concentration + 0.11 mg/m³

Stop Work Level= upwind concentration + 0.14 mg/m³

Note time/duration of work stoppage: No work

Notes:

All readings in mg/m³

Blue text readings are pre-work levels that were collected during the E-Bam instrument warm-up period and are considered accurate.