

**Former ASARCO-Encycle Demolition
Particulate Monitoring Summary
Week Ending 06-03-12**

Date: 5/28/2012 Technician: Carl Jones

Prevailing Wind Direction	Time	Unit 2-Upwind Reading	Unit 1-Downwind Reading	Action Level	Stop Work		
SSE	6:00 AM	30 min Avg	0	30 min Avg	0	0.035	0.045
SSE	6:30 AM	30 min Avg	0	30 min Avg	0.01	0.035	0.045
SSE	7:00 AM	30 min Avg	0.008	30 min Avg	0.016	0.043	0.053
SSE	7:30 AM	30 min Avg	0.006	30 min Avg	0.005	0.041	0.051
S	8:00 AM	30 min Avg	0	30 min Avg	0.002	0.035	0.045
S	8:30 AM	30 min Avg	0.039	30 min Avg	0.015	0.074	0.084
S	9:00 AM	30 min Avg	0.013	30 min Avg	0.011	0.048	0.058
S	9:30 AM	30 min Avg	0.013	30 min Avg	0.03	0.048	0.058
S	10:00 AM	30 min Avg	0	30 min Avg	0.025	0.035	0.045
S	10:30 AM	30 min Avg	0	30 min Avg	0.012	0.035	0.045
S	11:00 AM	30 min Avg	0.001	30 min Avg	0.002	0.036	0.046
S	11:30 AM	30 min Avg	0.004	30 min Avg	0.009	0.039	0.049
S	12:00 PM	30 min Avg	0.004	30 min Avg	0.013	0.039	0.049
S	12:30 PM	30 min Avg	0.007	30 min Avg	0	0.042	0.052
S	1:00 PM	30 min Avg	0.007	30 min Avg	0.005	0.042	0.052
S	1:30 PM	30 min Avg	0.006	30 min Avg	0.006	0.041	0.051
S	2:00 PM	30 min Avg	0.014	30 min Avg	0.008	0.049	0.059
SSE	2:30 PM	30 min Avg	0	30 min Avg	0.002	0.035	0.045
SSE	3:00 PM	30 min Avg	0.008	30 min Avg	0.003	0.043	0.053
SE	3:30 PM	30 min Avg	0.007	30 min Avg	0.016	0.042	0.052
SE	4:00 PM	30 min Avg	0.006	30 min Avg	0.007	0.041	0.051
SE	4:30 PM	30 min Avg	0	30 min Avg	0.003	0.035	0.045
SE	5:00 PM	30 min Avg	0.01	30 min Avg	0.016	0.045	0.055
SE	5:30 PM	30 min Avg	0.004	30 min Avg	0.002	0.039	0.049

E-BAM locations (Upwind) S- south of building 25 (Downwind) N- north of building 25

'Action Levels

Action level = upwind concentration + 0.035 mg/m³

Stop Work Level = upwind concentration + 0.045 mg/m³

Note time/duration of work stoppage:

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 06-03-12**

Date: 5/29/2012 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
SSE	6:30 AM	30 min Avg	0.012	30 min Avg	0.019	0.047	0.057
SSE	7:00 AM	30 min Avg	0.013	30 min Avg	0.021	0.048	0.058
SSE	7:30 AM	30 min Avg	0.001	30 min Avg	0.008	0.036	0.046
SSE	8:00 AM	30 min Avg	0	30 min Avg	0.006	0.035	0.045
SSE	8:30 AM	30 min Avg	0.028	30 min Avg	0.016	0.063	0.073
S	9:00 AM	30 min Avg	0.032	30 min Avg	0.004	0.067	0.077
S	9:30 AM	30 min Avg	0.01	30 min Avg	0.057	0.045	0.055
S	10:00 AM	30 min Avg	0.014	30 min Avg	0.018	0.049	0.059
SSE	10:30 AM	30 min Avg	0.003	30 min Avg	0.015	0.038	0.048
SSE	11:00 AM	30 min Avg	0.011	30 min Avg	0.008	0.046	0.056
SSE	11:30 AM	30 min Avg	0.005	30 min Avg	0.01	0.040	0.050
SE	12:00 PM	30 min Avg	0.007	30 min Avg	0.011	0.042	0.052
SE	12:30 PM	30 min Avg	0.015	30 min Avg	0.003	0.050	0.060
SE	1:00 PM	30 min Avg	0.015	30 min Avg	0.016	0.050	0.060
SE	1:30 PM	30 min Avg	0.015	30 min Avg	0.015	0.050	0.060
SE	2:00 PM	30 min Avg	0.005	30 min Avg	0.01	0.040	0.050
SE	2:30 PM	30 min Avg	0.014	30 min Avg	0.017	0.049	0.059
SE	3:00 PM	30 min Avg	0.009	30 min Avg	0.016	0.044	0.054
ESE	3:30 PM	30 min Avg	0.014	30 min Avg	0.017	0.049	0.059
ESE	4:00 PM	30 min Avg	0.016	30 min Avg	0.004	0.051	0.061
ESE	4:30 PM	30 min Avg	0.004	30 min Avg	0.005	0.039	0.049
ESE	5:00 PM	30 min Avg	0.012	30 min Avg	0.02	0.047	0.057
SE	5:30 PM	30 min Avg	0.004	30 min Avg	0.005	0.039	0.049

E-BAM locations (Upwind) S- south of building 25 (Downwind) N- north of building 25

Action Levels

Action level = upwind concentration + 0.035 mg/m³

Stop Work Level = upwind concentration + 0.045 mg/m³

Note time/duration of work stoppage: The 9:30 reading reached a stop work level. All work except for dust suppression stopped for 30 minutes until the next reading had shown that work could 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 06-03-12**

Date: 5/30/2012 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	0.035	0.045
SSE	6:30 AM	30 min Avg	0.012	0.047	0.057
SSE	7:00 AM	30 min Avg	0.013	0.048	0.058
SSE	7:30 AM	30 min Avg	0.001	0.036	0.046
SSE	8:00 AM	30 min Avg	0	0.035	0.045
SSE	8:30 AM	30 min Avg	0.028	0.063	0.073
S	9:00 AM	30 min Avg	0.032	0.067	0.077
S	9:30 AM	30 min Avg	0.01	0.045	0.055
S	10:00 AM	30 min Avg	0.014	0.049	0.059
SSE	10:30 AM	30 min Avg	0.003	0.038	0.048
SSE	11:00 AM	30 min Avg	0.011	0.046	0.056
SSE	11:30 AM	30 min Avg	0.005	0.040	0.050
SE	12:00 PM	30 min Avg	0.007	0.042	0.052
SE	12:30 PM	30 min Avg	0.015	0.050	0.060
SE	1:00 PM	30 min Avg	0.015	0.050	0.060
SE	1:30 PM	30 min Avg	0.015	0.050	0.060
SE	2:00 PM	30 min Avg	0.005	0.040	0.050
SE	2:30 PM	30 min Avg	0.014	0.049	0.059
SE	3:00 PM	30 min Avg	0.009	0.044	0.054
ESE	3:30 PM	30 min Avg	0.014	0.049	0.059
ESE	4:00 PM	30 min Avg	0.016	0.051	0.061
ESE	4:30 PM	30 min Avg	0.004	0.039	0.049
ESE	5:00 PM	30 min Avg	0.012	0.047	0.057
ESE	5:30 PM	30 min Avg	0.004	0.039	0.049
	6:00PM	30 min Avg		0.035	0.045

E-BAM locations (Upwind) S- south of building 25 (Downwind) N- north of building 25

Action Levels

Action level = upwind concentration + 0.035 mg/m³

Stop Work Level = upwind concentration + 0.045 mg/m³

Note time/duration of work stoppage: The 9:00 reading reached a stop work level. All work except for dust suppression stopped for 30 minutes until the next reading had shown that work could 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 considered accurate.

**Former ASARCO-Encycle Demolition
Particulate Monitoring Summary
Week Ending 06-03-12**

Date: 5/31/2012 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	0.009	30 min Avg	0.02	0.044	0.054
S	7:00 AM	30 min Avg	0.003	30 min Avg	0.022	0.038	0.048
S	7:30 AM	30 min Avg	0.02	30 min Avg	0.012	0.055	0.065
S	8:00 AM	30 min Avg	0.001	30 min Avg	0.007	0.036	0.046
S	8:30 AM	30 min Avg	0.05	30 min Avg	0.014	0.085	0.095
S	9:00 AM	30 min Avg	0.011	30 min Avg	0.023	0.046	0.056
SSE	9:30 AM	30 min Avg	0.007	30 min Avg	0.036	0.042	0.052
SSE	10:00 AM	30 min Avg	0.014	30 min Avg	0.01	0.049	0.059
SSE	10:30 AM	30 min Avg	0.004	30 min Avg	0.016	0.039	0.049
SSE	11:00 AM	30 min Avg	0.007	30 min Avg	0.006	0.042	0.052
SSE	11:30 AM	30 min Avg	0.004	30 min Avg	0.024	0.039	0.049
SE	12:00 PM	30 min Avg	0.005	30 min Avg	0.003	0.040	0.050
SE	12:30 PM	30 min Avg	0.017	30 min Avg	0.009	0.052	0.062
SE	1:00 PM	30 min Avg	0.015	30 min Avg	0.015	0.050	0.060
ESE	1:30 PM	30 min Avg	0.01	30 min Avg	0.013	0.045	0.055
ESE	2:00 PM	30 min Avg	0.02	30 min Avg	0.012	0.055	0.065
ESE	2:30 PM	30 min Avg	0.002	30 min Avg	0.014	0.037	0.047
ESE	3:00 PM	30 min Avg	0.008	30 min Avg	0.009	0.043	0.053
ESE	3:30 PM	30 min Avg	0.017	30 min Avg	0.01	0.052	0.062
ESE	4:00 PM	30 min Avg	0.005	30 min Avg	0.012	0.040	0.050
ESE	4:30 PM	30 min Avg	0.01	30 min Avg	0.002	0.045	0.055
ESE	5:00 PM	30 min Avg	0.014	30 min Avg	0.02	0.049	0.059
ESE	5:30 PM	30 min Avg	0.012	30 min Avg	0	0.047	0.057
	6:00 PM	30 min Avg		30 min Avg		0.035	0.045

E-BAM locations (Upwind) S- south of building 25 (Downwind) N- north of building 25

Action Levels

Action level = upwind concentration + 0.035 mg/m³

Stop Work Level = upwind concentration + 0.045 mg/m³

Note time/duration of work stoppage:

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 06-03-12**

Date: 6/1/2012 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
SSW	6:30 AM	30 min Avg	0	30 min Avg	0.021	0.035	0.045
SSW	7:00 AM	30 min Avg	0.012	30 min Avg	0.017	0.047	0.057
WSW	7:30 AM	30 min Avg	0.002	30 min Avg	0.014	0.037	0.047
W	8:00 AM	30 min Avg	0.006	30 min Avg	0.015	0.041	0.051
WSW	8:30 AM	30 min Avg	0.003	30 min Avg	0	0.038	0.048
SW	9:00 AM	30 min Avg	0.036	30 min Avg	0.013	0.071	0.081
N	9:30 AM	30 min Avg	0	30 min Avg	0.006	0.035	0.045
WSW	10:00 AM	30 min Avg	0.047	30 min Avg	0.042	0.082	0.092
ENE	10:30 AM	30 min Avg	0	30 min Avg	0.012	0.035	0.045
ESE	11:00 AM	30 min Avg	0.005	30 min Avg	0.01	0.040	0.050
ENE	11:30 AM	30 min Avg	0.014	30 min Avg	0.005	0.049	0.059
SE	12:00 PM	30 min Avg	0.004	30 min Avg	0.008	0.039	0.049
ESE	12:30 PM	30 min Avg	0	30 min Avg	0	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	0.015	30 min Avg	0.007	0.050	0.060
ESE	2:00 PM	30 min Avg	0.002	30 min Avg	0.003	0.037	0.047
ESE	2:30 PM	30 min Avg	0.006	30 min Avg	0.011	0.041	0.051
ESE	3:00 PM	30 min Avg	0.004	30 min Avg	0.007	0.039	0.049
ESE	3:30 PM	30 min Avg	0.006	30 min Avg	0.004	0.041	0.051
ESE	4:00 PM	30 min Avg	0	30 min Avg	0.009	0.035	0.045
ESE	4:30 PM	30 min Avg	0.004	30 min Avg	0.007	0.039	0.049
ESE	5:00 PM	30 min Avg	0	30 min Avg	0.004	0.035	0.045
ESE	5:30 PM	30 min Avg	0.006	30 min Avg	0	0.041	0.051

E-BAM locations (Upwind) S- south of building 25 (Downwind) N- north of building 25
[8:05 (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

Note time/duration of work stoppage:

E-BAM units were moved to the west side of plant due to cleanup starting on buildings 3 and 4.

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 06-03-12**

Date: 6/2/2012 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) NW- west of building 14 (Downwind) S- east of building 46

Action Levels

Action level = upwind concentration + 0.035 mg/m³

Stop Work Level = upwind concentration + 0.045 mg/m³

Note time/duration of work stoppage:

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 06-03-12**

Date: 6/3/2012 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) NW- west of building 14 (Downwind) SW- south of building 3 [10:33 (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

Note time/duration of work stoppage:

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.