

**Former ASARCO-Encycle Demolition
Particulate Monitoring Summary
Week Ending 04-15-12**

Date: 4/9/2012 Technician: Carl Jones

Prevailing Wind

Direction	Time	Unit 2-Upwind Reading	Unit 1-Downwind Reading	Action Level	Stop Work
SSW	6:00 AM	30 min Avg	0	0.035	0.045
SSW	6:30 AM	30 min Avg	0.014	0.049	0.059
WSW	7:00 AM	30 min Avg	0.021	0.056	0.066
NW	7:30 AM	30 min Avg	0.01	0.045	0.055
NNW	8:00 AM	30 min Avg	0.015	0.050	0.060
N	8:30 AM	30 min Avg	0.027	0.062	0.072
N	9:00 AM	30 min Avg	0.014	0.049	0.059
N	9:30 AM	30 min Avg	0.036	0.071	0.081
ENE	10:00 AM	30 min Avg	0.013	0.048	0.058
E	10:30 AM	30 min Avg	0.012	0.047	0.057
E	11:00 AM	30 min Avg	0	0.035	0.045
ESE	11:30 AM	30 min Avg	0.016	0.051	0.061
ESE	12:00 PM	30 min Avg	0.005	0.040	0.050
ESE	12:30 PM	30 min Avg	0.015	0.050	0.060
ESE	1:00 PM	30 min Avg	0.018	0.053	0.063
ESE	1:30 PM	30 min Avg	0.01	0.045	0.055
ESE	2:00 PM	30 min Avg	0.004	0.039	0.049
ESE	2:30 PM	30 min Avg	0.01	0.045	0.055
ESE	3:00 PM	30 min Avg	0.02	0.055	0.065
ESE	3:30 PM	30 min Avg	0.009	0.044	0.054
ESE	4:00 PM	30 min Avg	0.014	0.049	0.059
ESE	4:30 PM	30 min Avg	0.009	0.044	0.054
ESE	5:00 PM	30 min Avg	0.022	0.057	0.067
ESE	5:30 PM	30 min Avg	0.015	0.050	0.060

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

[8:40 (Upwind) NW- west of building 14 (Downwind) SW- south of building 3]

[12:10 (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 not considered accurate.

**Former ASARCO-Encycle Demolition
Particulate Monitoring Summary
Week Ending 04-15-12**

Date: 4/10/2012 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	0.034	30 min Avg	0.033	0.069	0.079
WSW	7:00 AM	30 min Avg	0.028	30 min Avg	0.035	0.063	0.073
W	7:30 AM	30 min Avg	0.032	30 min Avg	0.023	0.067	0.077
SSW	8:00 AM	30 min Avg	0.062	30 min Avg	0.032	0.097	0.107
SE	8:30 AM	30 min Avg	0.014	30 min Avg	0.054	0.049	0.059
SE	9:00 AM	30 min Avg	0.013	30 min Avg	0.017	0.048	0.058
SE	9:30 AM	30 min Avg	0.014	30 min Avg	0.02	0.049	0.059
ESE	10:00 AM	30 min Avg	0.013	30 min Avg	0.01	0.048	0.058
ESE	10:30 AM	30 min Avg	0.005	30 min Avg	0.013	0.040	0.050
ESE	11:00 AM	30 min Avg	0.012	30 min Avg	0.019	0.047	0.057
ESE	11:30 AM	30 min Avg	0.016	30 min Avg	0.016	0.051	0.061
ESE	12:00 PM	30 min Avg	0.01	30 min Avg	0.012	0.045	0.055
ESE	12:30 PM	30 min Avg	0.008	30 min Avg	0.013	0.043	0.053
ESE	1:00 PM	30 min Avg	0.017	30 min Avg	0.003	0.052	0.062
ESE	1:30 PM	30 min Avg	0.008	30 min Avg	0.021	0.043	0.053
ESE	2:00 PM	30 min Avg	0.009	30 min Avg	0.012	0.044	0.054
ESE	2:30 PM	30 min Avg	0.019	30 min Avg	0.011	0.054	0.064
ESE	3:00 PM	30 min Avg	0.006	30 min Avg	0.009	0.041	0.051
ESE	3:30 PM	30 min Avg	0.011	30 min Avg	0.025	0.046	0.056
ESE	4:00 PM	30 min Avg	0.02	30 min Avg	0.015	0.055	0.065
ESE	4:30 PM	30 min Avg	0.01	30 min Avg	0.008	0.045	0.055
ESE	5:00 PM	30 min Avg	0.008	30 min Avg	0.01	0.043	0.053
ESE	5:30 PM	30 min Avg	0.023	30 min Avg	0.019	0.058	0.068

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

Note time/duration of work stoppage: The 8:30 reading reached an action level, more dust suppression was added to roadways and work areas.

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 04-15-12**

Date: 4/11/2012 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
S	6:30 AM	30 min Avg	0.016	0.051	0.061
S	7:00 AM	30 min Avg	0.017	0.052	0.062
S	7:30 AM	30 min Avg	0.009	0.044	0.054
SE	8:00 AM	30 min Avg	0.011	0.046	0.056
SE	8:30 AM	30 min Avg	0.053	0.088	0.098
SE	9:00 AM	30 min Avg	0	0.035	0.045
SE	9:30 AM	30 min Avg	0.011	0.046	0.056
SE	10:00 AM	30 min Avg	0.004	0.039	0.049
SE	10:30 AM	30 min Avg	0.003	0.038	0.048
SSE	11:00 AM	30 min Avg	0.003	0.038	0.048
SSE	11:30 AM	30 min Avg	0.015	0.050	0.060
SE	12:00 PM	30 min Avg	0.001	0.036	0.046
SE	12:30 PM	30 min Avg	0.001	0.036	0.046
SE	1:00 PM	30 min Avg	0.006	0.041	0.051
ESE	1:30 PM	30 min Avg	0.016	0.051	0.061
ESE	2:00 PM	30 min Avg	0.006	0.041	0.051
E	2:30 PM	30 min Avg	0	0.035	0.045
E	3:00 PM	30 min Avg	0.016	0.051	0.061
E	3:30 PM	30 min Avg	0.002	0.037	0.047
ESE	4:00 PM	30 min Avg	0.01	0.045	0.055
ESE	4:30 PM	30 min Avg	0.013	0.048	0.058
ESE	5:00 PM	30 min Avg	0.005	0.040	0.050
ESE	5:30 PM	30 min Avg	0.011	0.046	0.056
	6:00PM	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

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 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 considered accurate.

**Former ASARCO-Encycle Demolition
Particulate Monitoring Summary
Week Ending 04-15-12**

Date: 4/12/2012 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	30 min Avg	0	0.035	0.045
SE	6:30 AM	30 min Avg	0.016	30 min Avg	0.022	0.051	0.061
SE	7:00 AM	30 min Avg	0.011	30 min Avg	0.025	0.046	0.056
SE	7:30 AM	30 min Avg	0.015	30 min Avg	0.017	0.050	0.060
SE	8:00 AM	30 min Avg	0.015	30 min Avg	0.011	0.050	0.060
SE	8:30 AM	30 min Avg	0.034	30 min Avg	0.024	0.069	0.079
SE	9:00 AM	30 min Avg	0.033	30 min Avg	0.025	0.068	0.078
SE	9:30 AM	30 min Avg	0.002	30 min Avg	0.029	0.037	0.047
SE	10:00 AM	30 min Avg	0.017	30 min Avg	0.017	0.052	0.062
SE	10:30 AM	30 min Avg	0.012	30 min Avg	0.006	0.047	0.057
SE	11:00 AM	30 min Avg	0.008	30 min Avg	0.016	0.043	0.053
SE	11:30 AM	30 min Avg	0.013	30 min Avg	0.01	0.048	0.058
SE	12:00 PM	30 min Avg	0	30 min Avg	0.005	0.035	0.045
SE	12:30 PM	30 min Avg	0.015	30 min Avg	0.011	0.050	0.060
SE	1:00 PM	30 min Avg	0.008	30 min Avg	0.008	0.043	0.053
SE	1:30 PM	30 min Avg	0.013	30 min Avg	0.016	0.048	0.058
SE	2:00 PM	30 min Avg	0.009	30 min Avg	0.013	0.044	0.054
SE	2:30 PM	30 min Avg	0.002	30 min Avg	0.014	0.037	0.047
SE	3:00 PM	30 min Avg	0.018	30 min Avg	0.008	0.053	0.063
SE	3:30 PM	30 min Avg	0.012	30 min Avg	0.022	0.047	0.057
SE	4:00 PM	30 min Avg	0.016	30 min Avg	0.013	0.051	0.061
SE	4:30 PM	30 min Avg	0.013	30 min Avg	0	0.048	0.058
SE	5:00 PM	30 min Avg	0.001	30 min Avg	0.009	0.036	0.046
	5:30 PM	30 min Avg		30 min Avg		0.035	0.045
	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

Note time/duration of work stoppage: All work ended at 4:30 due to more planning for the demo of building #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 04-15-12**

Date: 4/13/2012 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	30 min Avg	0	0.035	0.045
SE	6:30 AM	30 min Avg	0.017	30 min Avg	0.026	0.052	0.062
SE	7:00 AM	30 min Avg	0.011	30 min Avg	0.017	0.046	0.056
SE	7:30 AM	30 min Avg	0.014	30 min Avg	0.014	0.049	0.059
SE	8:00 AM	30 min Avg	0.01	30 min Avg	0.01	0.045	0.055
SE	8:30 AM	30 min Avg	0.037	30 min Avg	0.013	0.072	0.082
SSE	9:00 AM	30 min Avg	0.023	30 min Avg	0.033	0.058	0.068
SSE	9:30 AM	30 min Avg	0.018	30 min Avg	0.018	0.053	0.063
SSE	10:00 AM	30 min Avg	0	30 min Avg	0.027	0.035	0.045
SE	10:30 AM	30 min Avg	0.011	30 min Avg	0.008	0.046	0.056
SE	11:00 AM	30 min Avg	0.004	30 min Avg	0.007	0.039	0.049
SE	11:30 AM	30 min Avg	0.01	30 min Avg	0.016	0.045	0.055
SE	12:00 PM	30 min Avg	0.006	30 min Avg	0.011	0.041	0.051
SE	12:30 PM	30 min Avg	0.02	30 min Avg	0.017	0.055	0.065
SE	1:00 PM	30 min Avg	0.007	30 min Avg	0.015	0.042	0.052
SE	1:30 PM	30 min Avg	0.014	30 min Avg	0.018	0.049	0.059
SE	2:00 PM	30 min Avg	0.01	30 min Avg	0.011	0.045	0.055
SE	2:30 PM	30 min Avg	0.01	30 min Avg	0.01	0.045	0.055
SE	3:00 PM	30 min Avg	0.007	30 min Avg	0.015	0.042	0.052
SE	3:30 PM	30 min Avg	0.018	30 min Avg	0.01	0.053	0.063
SE	4:00 PM	30 min Avg	0.011	30 min Avg	0.016	0.046	0.056
SE	4:30 PM	30 min Avg	0.006	30 min Avg	0.009	0.041	0.051
SE	5:00 PM	30 min Avg	0.015	30 min Avg	0	0.050	0.060
SE	5:30 PM	30 min Avg	0.014	30 min Avg	0.009	0.049	0.059
SE	6:00 PM	30 min Avg	0.002	30 min Avg	0.017	0.037	0.047

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: All work ended at 5:25.

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 04-15-12**

Date: 4/14/2012 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	30 min Avg	0	0.035	0.045
SE	6:30 AM	30 min Avg	0.023	30 min Avg	0.029	0.058	0.068
SE	7:00 AM	30 min Avg	0.019	30 min Avg	0.025	0.054	0.064
SE	7:30 AM	30 min Avg	0.011	30 min Avg	0.021	0.046	0.056
SE	8:00 AM	30 min Avg	0.014	30 min Avg	0.014	0.049	0.059
SE	8:30 AM	30 min Avg	0.012	30 min Avg	0.017	0.047	0.057
SE	9:00 AM	30 min Avg	0.029	30 min Avg	0.01	0.064	0.074
SE	9:30 AM	30 min Avg	0.039	30 min Avg	0.051	0.074	0.084
SE	10:00 AM	30 min Avg	0.003	30 min Avg	0	0.038	0.048
SE	10:30 AM	30 min Avg	0.019	30 min Avg	0.012	0.054	0.064
SE	11:00 AM	30 min Avg	0.016	30 min Avg	0.023	0.051	0.061
SE	11:30 AM	30 min Avg	0.005	30 min Avg	0.009	0.040	0.050
SE	12:00 PM	30 min Avg	0	30 min Avg	0.016	0.035	0.045
SE	12:30 PM	30 min Avg	0.014	30 min Avg	0.011	0.049	0.059
SE	1:00 PM	30 min Avg	0.023	30 min Avg	0.023	0.058	0.068
	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) 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: All work stopped at 12:00 for lunch and did not resume due to high winds out of the south with strong gusts.

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 04-15-12**

Date: 4/15/2012 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	0.035	0.045
SSE	6:30 AM	30 min Avg	0.002	0.037	0.047
SSE	7:00 AM	30 min Avg	0.016	0.051	0.061
SSE	7:30 AM	30 min Avg	0.01	0.045	0.055
SSE	8:00 AM	30 min Avg	0.011	0.046	0.056
SSE	8:30 AM	30 min Avg	0.008	0.043	0.053
SSE	9:00 AM	30 min Avg	0.025	0.060	0.070
SSE	9:30 AM	30 min Avg	0.018	0.053	0.063
SSE	10:00 AM	30 min Avg	0.053	0.088	0.098
SSE	10:30 AM	30 min Avg	0.011	0.046	0.056
SSE	11:00 AM	30 min Avg	0.018	0.053	0.063
SSE	11:30 AM	30 min Avg	0.011	0.046	0.056
SSE	12:00 PM	30 min Avg	0.003	0.038	0.048
SSE	12:30 PM	30 min Avg	0.031	0.066	0.076
SSE	1:00 PM	30 min Avg	0.015	0.050	0.060
SSE	1:30 PM	30 min Avg	0.015	0.050	0.060
SE	2:00 PM	30 min Avg	0.022	0.057	0.067
SE	2:30 PM	30 min Avg	0.023	0.058	0.068
SE	3:00 PM	30 min Avg	0.016	0.051	0.061
SE	3:30 PM	30 min Avg	0.014	0.049	0.059
SE	4:00 PM	30 min Avg	0.014	0.049	0.059
SE	4:30 PM	30 min Avg	0.014	0.049	0.059
SE	5:00 PM	30 min Avg	0.011	0.046	0.056
	5:30 PM	30 min Avg		0.035	0.045
	6:00PM	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: All work ended at 4:35.

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.