

**Former ASARCO-Encycle Demolition
Particulate Monitoring Summary
Week Ending 05-27-12**

Date: 5/21/2012 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
NW	6:30 AM	30 min Avg	0.008	30 min Avg	0.018	0.043	0.053
N	7:00 AM	30 min Avg	0.018	30 min Avg	0.022	0.053	0.063
N	7:30 AM	30 min Avg	0	30 min Avg	0	0.035	0.045
N	8:00 AM	30 min Avg	0.046	30 min Avg	0.044	0.081	0.091
NNW	8:30 AM	30 min Avg	0.011	30 min Avg	0.032	0.046	0.056
NNW	9:00 AM	30 min Avg	0.011	30 min Avg	0.022	0.046	0.056
NNW	9:30 AM	30 min Avg	0.013	30 min Avg	0.007	0.048	0.058
N	10:00 AM	30 min Avg	0.004	30 min Avg	0.011	0.039	0.049
NNE	10:30 AM	30 min Avg	0.003	30 min Avg	0.019	0.038	0.048
NE	11:00 AM	30 min Avg	0.006	30 min Avg	0.02	0.041	0.051
NE	11:30 AM	30 min Avg	0.014	30 min Avg	0.003	0.049	0.059
NE	12:00 PM	30 min Avg	0.015	30 min Avg	0.004	0.050	0.060
ENE	12:30 PM	30 min Avg	0.014	30 min Avg	0.007	0.049	0.059
E	1:00 PM	30 min Avg	0.012	30 min Avg	0.016	0.047	0.057
E	1:30 PM	30 min Avg	0.007	30 min Avg	0.019	0.042	0.052
E	2:00 PM	30 min Avg	0.009	30 min Avg	0.007	0.044	0.054
SE	2:30 PM	30 min Avg	0.019	30 min Avg	0.006	0.054	0.064
SE	3:00 PM	30 min Avg	0.003	30 min Avg	0.005	0.038	0.048
SE	3:30 PM	30 min Avg	0.013	30 min Avg	0.01	0.048	0.058
ESE	4:00 PM	30 min Avg	0.015	30 min Avg	0.007	0.050	0.060
ESE	4:30 PM	30 min Avg	0.004	30 min Avg	0.012	0.039	0.049
ESE	5:00 PM	30 min Avg	0.008	30 min Avg	0.007	0.043	0.053
ESE	5:30 PM	30 min Avg	0.004	30 min Avg	0.011	0.039	0.049

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

[7:18 (Upwind) N- north of building 25 (Downwind) S- south of building 25]

[3:35 (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 05-27-12**

Date: 5/22/2012 Technician: Carl Jones

Prevailing Wind

Direction	Time	Unit 2-Upwind Reading	Unit 1-Downwind Reading	Action Level	Stop Work		
SW	6:00 AM	30 min Avg	0	30 min Avg	0	0.035	0.045
SW	6:30 AM	30 min Avg	0.005	30 min Avg	0.023	0.040	0.050
SW	7:00 AM	30 min Avg	0.009	30 min Avg	0.021	0.044	0.054
SW	7:30 AM	30 min Avg	0.02	30 min Avg	0.012	0.055	0.065
SW	8:00 AM	30 min Avg	0	30 min Avg	0.008	0.035	0.045
SW	8:30 AM	30 min Avg	0.052	30 min Avg	0.009	0.087	0.097
SW	9:00 AM	30 min Avg	0.017	30 min Avg	0.031	0.052	0.062
SSW	9:30 AM	30 min Avg	0.001	30 min Avg	0.024	0.036	0.046
SSW	10:00 AM	30 min Avg	0.008	30 min Avg	0.016	0.043	0.053
SSW	10:30 AM	30 min Avg	0.006	30 min Avg	0.014	0.041	0.051
S	11:00 AM	30 min Avg	0.004	30 min Avg	0.01	0.039	0.049
S	11:30 AM	30 min Avg	0.009	30 min Avg	0.01	0.044	0.054
S	12:00 PM	30 min Avg	0.007	30 min Avg	0.01	0.042	0.052
S	12:30 PM	30 min Avg	0.017	30 min Avg	0.006	0.052	0.062
S	1:00 PM	30 min Avg	0.003	30 min Avg	0.021	0.038	0.048
SE	1:30 PM	30 min Avg	0.005	30 min Avg	0	0.040	0.050
ESE	2:00 PM	30 min Avg	0.022	30 min Avg	0.008	0.057	0.067
E	2:30 PM	30 min Avg	0.004	30 min Avg	0.018	0.039	0.049
ESE	3:00 PM	30 min Avg	0.002	30 min Avg	0.003	0.037	0.047
ESE	3:30 PM	30 min Avg	0.012	30 min Avg	0.001	0.047	0.057
ESE	4:00 PM	30 min Avg	0.006	30 min Avg	0.015	0.041	0.051
ESE	4:30 PM	30 min Avg	0.007	30 min Avg	0.006	0.042	0.052
ESE	5:00 PM	30 min Avg	0.01	30 min Avg	0.01	0.045	0.055
ESE	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 05-27-12**

Date: 5/23/2012 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	0.005	0.040	0.050
SSE	7:00 AM	30 min Avg	0.011	0.046	0.056
SSE	7:30 AM	30 min Avg	0.011	0.046	0.056
S	8:00 AM	30 min Avg	0.03	0.065	0.075
S	8:30 AM	30 min Avg	0.023	0.058	0.068
S	9:00 AM	30 min Avg	0.004	0.039	0.049
S	9:30 AM	30 min Avg	0.01	0.045	0.055
S	10:00 AM	30 min Avg	0.008	0.043	0.053
S	10:30 AM	30 min Avg	0.013	0.048	0.058
S	11:00 AM	30 min Avg	0.005	0.040	0.050
SSE	11:30 AM	30 min Avg	0.007	0.042	0.052
SSE	12:00 PM	30 min Avg	0.006	0.041	0.051
SSE	12:30 PM	30 min Avg	0.008	0.043	0.053
SSE	1:00 PM	30 min Avg	0.014	0.049	0.059
SSE	1:30 PM	30 min Avg	0.015	0.050	0.060
SSE	2:00 PM	30 min Avg	0.005	0.040	0.050
SSE	2:30 PM	30 min Avg	0.012	0.047	0.057
SE	3:00 PM	30 min Avg	0.009	0.044	0.054
SE	3:30 PM	30 min Avg	0.007	0.042	0.052
SE	4:00 PM	30 min Avg	0.01	0.045	0.055
SE	4:30 PM	30 min Avg	0.007	0.042	0.052
SE	5:00 PM	30 min Avg	0.012	0.047	0.057
SE	5:30 PM	30 min Avg	0.01	0.045	0.055
	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:

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 05-27-12**

Date: 5/24/2012 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	0.002	30 min Avg	0.019	0.037	0.047
SSE	7:00 AM	30 min Avg	0.012	30 min Avg	0.019	0.047	0.057
SSE	7:30 AM	30 min Avg	0.008	30 min Avg	0.009	0.043	0.053
SSE	8:00 AM	30 min Avg	0.004	30 min Avg	0.005	0.039	0.049
SSE	8:30 AM	30 min Avg	0.036	30 min Avg	0.015	0.071	0.081
S	9:00 AM	30 min Avg	0.019	30 min Avg	0.024	0.054	0.064
S	9:30 AM	30 min Avg	0.02	30 min Avg	0.037	0.055	0.065
SSE	10:00 AM	30 min Avg	0	30 min Avg	0.01	0.035	0.045
SSE	10:30 AM	30 min Avg	0.013	30 min Avg	0.01	0.048	0.058
SSE	11:00 AM	30 min Avg	0.006	30 min Avg	0.011	0.041	0.051
SSE	11:30 AM	30 min Avg	0.008	30 min Avg	0.013	0.043	0.053
SSE	12:00 PM	30 min Avg	0.01	30 min Avg	0.013	0.045	0.055
SSE	12:30 PM	30 min Avg	0.011	30 min Avg	0	0.046	0.056
SSE	1:00 PM	30 min Avg	0.012	30 min Avg	0.018	0.047	0.057
SSE	1:30 PM	30 min Avg	0.007	30 min Avg	0.01	0.042	0.052
SSE	2:00 PM	30 min Avg	0.016	30 min Avg	0.011	0.051	0.061
SSE	2:30 PM	30 min Avg	0.003	30 min Avg	0.018	0.038	0.048
SSE	3:00 PM	30 min Avg	0.009	30 min Avg	0.006	0.044	0.054
SSE	3:30 PM	30 min Avg	0.009	30 min Avg	0.013	0.044	0.054
SE	4:00 PM	30 min Avg	0.009	30 min Avg	0.004	0.044	0.054
SE	4:30 PM	30 min Avg	0.014	30 min Avg	0.017	0.049	0.059
SE	5:00 PM	30 min Avg	0.007	30 min Avg	0.009	0.042	0.052
SE	5:30 PM	30 min Avg	0.013	30 min Avg	0.01	0.048	0.058
	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 05-27-12**

Date: 5/25/2012 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	0.017	30 min Avg	0.032	0.052	0.062
SSE	7:00 AM	30 min Avg	0.026	30 min Avg	0.034	0.061	0.071
SSE	7:30 AM	30 min Avg	0.014	30 min Avg	0.03	0.049	0.059
SSE	8:00 AM	30 min Avg	0.023	30 min Avg	0.017	0.058	0.068
SE	8:30 AM	30 min Avg	0.029	30 min Avg	0.026	0.064	0.074
SE	9:00 AM	30 min Avg	0.053	30 min Avg	0.027	0.088	0.098
SE	9:30 AM	30 min Avg	0.046	30 min Avg	0.029	0.081	0.091
SSE	10:00 AM	30 min Avg	0.023	30 min Avg	0.045	0.058	0.068
SSE	10:30 AM	30 min Avg	0.028	30 min Avg	0.017	0.063	0.073
SSE	11:00 AM	30 min Avg	0.011	30 min Avg	0.055	0.046	0.056
SSE	11:30 AM	30 min Avg	0.019	30 min Avg	0.011	0.054	0.064
SE	12:00 PM	30 min Avg	0.019	30 min Avg	0.03	0.054	0.064
SE	12:30 PM	30 min Avg	0.024	30 min Avg	0.014	0.059	0.069
SE	1:00 PM	30 min Avg	0.029	30 min Avg	0.028	0.064	0.074
SE	1:30 PM	30 min Avg	0.016	30 min Avg	0.025	0.051	0.061
SE	2:00 PM	30 min Avg	0.029	30 min Avg	0.022	0.064	0.074
SE	2:30 PM	30 min Avg	0.023	30 min Avg	0.022	0.058	0.068
SE	3:00 PM	30 min Avg	0.019	30 min Avg	0.015	0.054	0.064
SE	3:30 PM	30 min Avg	0.014	30 min Avg	0.03	0.049	0.059
SE	4:00 PM	30 min Avg	0.024	30 min Avg	0.01	0.059	0.069
SE	4:30 PM	30 min Avg	0.006	30 min Avg	0.02	0.041	0.051
ESE	5:00 PM	30 min Avg	0.019	30 min Avg	0.017	0.054	0.064
	5:30 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: The 11:00 reading reached an action level. More dust suppression was added to roadways and work areas.

All work ended at 4:35 for the holiday weekend.

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 05-27-12**

Date: 5/26/2012 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 05-27-12**

Date: 5/27/2012 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.