

**Former ASARCO-Encycle Demolition
Particulate Monitoring Summary
Week Ending 05-06-12**

Date: 4/30/2012 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	30 min Avg	0	0.035	0.045
SE	7:00 AM	30 min Avg	0.012	30 min Avg	0.02	0.047	0.057
SE	7:30 AM	30 min Avg	0.008	30 min Avg	0	0.043	0.053
SE	8:00 AM	30 min Avg	0.005	30 min Avg	0.016	0.040	0.050
SE	8:30 AM	30 min Avg	0.007	30 min Avg	0.006	0.042	0.052
SE	9:00 AM	30 min Avg	0.038	30 min Avg	0.007	0.073	0.083
SE	9:30 AM	30 min Avg	0.021	30 min Avg	0.028	0.056	0.066
SE	10:00 AM	30 min Avg	0.006	30 min Avg	0.023	0.041	0.051
SE	10:30 AM	30 min Avg	0.005	30 min Avg	0.023	0.040	0.050
SE	11:00 AM	30 min Avg	0.005	30 min Avg	0.014	0.040	0.050
SE	11:30 AM	30 min Avg	0	30 min Avg	0.002	0.035	0.045
SE	12:00 PM	30 min Avg	0.009	30 min Avg	0.013	0.044	0.054
ESE	12:30 PM	30 min Avg	0.015	30 min Avg	0.023	0.050	0.060
ESE	1:00 PM	30 min Avg	0.005	30 min Avg	0	0.040	0.050
ESE	1:30 PM	30 min Avg	0.017	30 min Avg	0.014	0.052	0.062
ESE	2:00 PM	30 min Avg	0.012	30 min Avg	0.002	0.047	0.057
ESE	2:30 PM	30 min Avg	0.018	30 min Avg	0	0.053	0.063
ESE	3:00 PM	30 min Avg	0.004	30 min Avg	0	0.039	0.049
ESE	3:30 PM	30 min Avg	0.009	30 min Avg	0.017	0.044	0.054
ESE	4:00 PM	30 min Avg	0.018	30 min Avg	0	0.053	0.063
ESE	4:30 PM	30 min Avg	0.008	30 min Avg	0.013	0.043	0.053
ESE	5:00 PM	30 min Avg	0	30 min Avg	0.001	0.035	0.045
ESE	5:30 PM	30 min Avg	0	30 min Avg	0.005	0.035	0.045

E-BAM locations (Upwind) SW- south of building 3 (Downwind) NW- north of building 2

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 05-06-12**

Date: 5/1/2012 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	0.012	30 min Avg	0.017	0.047	0.057
SE	7:00 AM	30 min Avg	0.013	30 min Avg	0.014	0.048	0.058
SE	7:30 AM	30 min Avg	0	30 min Avg	0.009	0.035	0.045
SE	8:00 AM	30 min Avg	0.005	30 min Avg	0.002	0.040	0.050
SE	8:30 AM	30 min Avg	0.034	30 min Avg	0.01	0.069	0.079
SE	9:00 AM	30 min Avg	0.008	30 min Avg	0.014	0.043	0.053
SE	9:30 AM	30 min Avg	0.019	30 min Avg	0.008	0.054	0.064
SE	10:00 AM	30 min Avg	0	30 min Avg	0.023	0.035	0.045
SE	10:30 AM	30 min Avg	0.012	30 min Avg	0	0.047	0.057
SE	11:00 AM	30 min Avg	0.003	30 min Avg	0.013	0.038	0.048
SE	11:30 AM	30 min Avg	0.002	30 min Avg	0.011	0.037	0.047
SE	12:00 PM	30 min Avg	0	30 min Avg	0.017	0.035	0.045
SE	12:30 PM	30 min Avg	0.01	30 min Avg	0.023	0.045	0.055
SE	1:00 PM	30 min Avg	0.005	30 min Avg	0.012	0.040	0.050
ESE	1:30 PM	30 min Avg	0.002	30 min Avg	0	0.037	0.047
ESE	2:00 PM	30 min Avg	0.01	30 min Avg	0	0.045	0.055
ESE	2:30 PM	30 min Avg	0	30 min Avg	0.028	0.035	0.045
ESE	3:00 PM	30 min Avg	0.013	30 min Avg	0.014	0.048	0.058
ESE	3:30 PM	30 min Avg	0.008	30 min Avg	0.005	0.043	0.053
ESE	4:00 PM	30 min Avg	0.001	30 min Avg	0.007	0.036	0.046
ESE	4:30 PM	30 min Avg	0.004	30 min Avg	0.009	0.039	0.049
ESE	5:00 PM	30 min Avg	0.013	30 min Avg	0.01	0.048	0.058
ESE	5:30 PM	30 min Avg	0.005	30 min Avg	0.002	0.040	0.050

E-BAM locations (Upwind) SW- south of building 3 (Downwind) NW- north of building 2

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 05-06-12**

Date: 5/2/2012 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	0.009	0.044	0.054
SE	7:00 AM	30 min Avg	0.009	0.044	0.054
SE	7:30 AM	30 min Avg	0.003	0.038	0.048
SSE	8:00 AM	30 min Avg	0.029	0.064	0.074
SSE	8:30 AM	30 min Avg	0.026	0.061	0.071
SSE	9:00 AM	30 min Avg	0.008	0.043	0.053
SSE	9:30 AM	30 min Avg	0.002	0.037	0.047
SSE	10:00 AM	30 min Avg	0	0.035	0.045
SSE	10:30 AM	30 min Avg	0.008	0.043	0.053
SSE	11:00 AM	30 min Avg	0	0.035	0.045
SSE	11:30 AM	30 min Avg	0	0.035	0.045
SSE	12:00 PM	30 min Avg	0.008	0.043	0.053
SSE	12:30 PM	30 min Avg	0	0.035	0.045
SE	1:00 PM	30 min Avg	0.013	0.048	0.058
SE	1:30 PM	30 min Avg	0	0.035	0.045
SE	2:00 PM	30 min Avg	0.006	0.041	0.051
SE	2:30 PM	30 min Avg	0.005	0.040	0.050
SE	3:00 PM	30 min Avg	0	0.035	0.045
SSE	3:30 PM	30 min Avg	0.005	0.040	0.050
ESE	4:00 PM	30 min Avg	0.002	0.037	0.047
ESE	4:30 PM	30 min Avg	0.005	0.040	0.050
ESE	5:00 PM	30 min Avg	0.002	0.037	0.047
ESE	5:30 PM	30 min Avg	0	0.035	0.045
	6:00PM	30 min Avg		0.035	0.045

E-BAM locations (Upwind) SW- south of building 3 (Downwind) NW- north of building 2

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 05-06-12**

Date: 5/3/2012 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	0.012	0.047	0.057
S	7:00 AM	30 min Avg	0.002	0.037	0.047
S	7:30 AM	30 min Avg	0	0.035	0.045
S	8:00 AM	30 min Avg	0.005	0.040	0.050
S	8:30 AM	30 min Avg	0.046	0.081	0.091
SSE	9:00 AM	30 min Avg	0	0.035	0.045
SSE	9:30 AM	30 min Avg	0.008	0.043	0.053
SSE	10:00 AM	30 min Avg	0	0.035	0.045
SSE	10:30 AM	30 min Avg	0	0.035	0.045
SSE	11:00 AM	30 min Avg	0.001	0.036	0.046
SSE	11:30 AM	30 min Avg	0.024	0.059	0.069
SSE	12:00 PM	30 min Avg	0.003	0.038	0.048
SE	12:30 PM	30 min Avg	0.005	0.040	0.050
SE	1:00 PM	30 min Avg	0.002	0.037	0.047
SE	1:30 PM	30 min Avg	0.002	0.037	0.047
ESE	2:00 PM	30 min Avg	0.015	0.050	0.060
ESE	2:30 PM	30 min Avg	0.006	0.041	0.051
ESE	3:00 PM	30 min Avg	0	0.035	0.045
ESE	3:30 PM	30 min Avg	0	0.035	0.045
ESE	4:00 PM	30 min Avg	0.008	0.043	0.053
ESE	4:30 PM	30 min Avg	0.003	0.038	0.048
ESE	5:00 PM	30 min Avg	0.002	0.037	0.047
ESE	5:30 PM	30 min Avg	0.006	0.041	0.051
ESE	6:00 PM	30 min Avg		0.035	0.045

E-BAM locations (Upwind) SW- south of building 3 (Downwind) NW- north of building 2

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 05-06-12**

Date: 5/4/2012 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	0.004	30 min Avg	0.027	0.039	0.049
SSE	7:00 AM	30 min Avg	0.018	30 min Avg	0.02	0.053	0.063
SSE	7:30 AM	30 min Avg	0.006	30 min Avg	0.017	0.041	0.051
SSE	8:00 AM	30 min Avg	0.006	30 min Avg	0.008	0.041	0.051
SSE	8:30 AM	30 min Avg	0.011	30 min Avg	0.019	0.046	0.056
SSE	9:00 AM	30 min Avg	0.059	30 min Avg	0.008	0.094	0.104
S	9:30 AM	30 min Avg	0.004	30 min Avg	0.039	0.039	0.049
S	10:00 AM	30 min Avg	0.007	30 min Avg	0.023	0.042	0.052
S	10:30 AM	30 min Avg	0.012	30 min Avg	0.009	0.047	0.057
S	11:00 AM	30 min Avg	0.003	30 min Avg	0.011	0.038	0.048
S	11:30 AM	30 min Avg	0.007	30 min Avg	0.019	0.042	0.052
S	12:00 PM	30 min Avg	0.012	30 min Avg	0.001	0.047	0.057
S	12:30 PM	30 min Avg	0.014	30 min Avg	0.014	0.049	0.059
S	1:00 PM	30 min Avg	0.015	30 min Avg	0.009	0.050	0.060
SSE	1:30 PM	30 min Avg	0.019	30 min Avg	0.022	0.054	0.064
SSE	2:00 PM	30 min Avg	0.011	30 min Avg	0.009	0.046	0.056
SSE	2:30 PM	30 min Avg	0.021	30 min Avg	0.016	0.056	0.066
SE	3:00 PM	30 min Avg	0.006	30 min Avg	0.015	0.041	0.051
SE	3:30 PM	30 min Avg	0.017	30 min Avg	0.016	0.052	0.062
ESE	4:00 PM	30 min Avg	0.014	30 min Avg	0.007	0.049	0.059
ESE	4:30 PM	30 min Avg	0.014	30 min Avg	0.019	0.049	0.059
ESE	5:00 PM	30 min Avg	0.013	30 min Avg	0.019	0.048	0.058
ESE	5:30 PM	30 min Avg	0.008	30 min Avg	0.019	0.043	0.053

E-BAM locations (Upwind) SW- south of building 3 (Downwind) NW- north of building 2

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 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 05-06-12**

Date: 5/5/2012 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 05-06-12**

Date: 5/6/2012 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.