

**Former ASARCO-Encycle Demolition
Particulate Monitoring Summary
Week Ending 04-01-12**

Date: 3/26/2012 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	0.019	30 min Avg	0.025	0.054	0.064
SE	7:00 AM	30 min Avg	0.02	30 min Avg	0.017	0.055	0.065
SE	7:30 AM	30 min Avg	0.005	30 min Avg	0.011	0.040	0.050
SE	8:00 AM	30 min Avg	0.015	30 min Avg	0.02	0.050	0.060
SE	8:30 AM	30 min Avg	0.009	30 min Avg	0.01	0.044	0.054
SE	9:00 AM	30 min Avg	0.066	30 min Avg	0.02	0.101	0.111
SE	9:30 AM	30 min Avg	0.016	30 min Avg	0.016	0.051	0.061
SSE	10:00 AM	30 min Avg	0.007	30 min Avg	0.051	0.042	0.052
SSE	10:30 AM	30 min Avg	0.006	30 min Avg	0.023	0.041	0.051
SE	11:00 AM	30 min Avg	0.009	30 min Avg	0.009	0.044	0.054
SE	11:30 AM	30 min Avg	0.018	30 min Avg	0.021	0.053	0.063
SE	12:00 PM	30 min Avg	0.012	30 min Avg	0.017	0.047	0.057
ESE	12:30 PM	30 min Avg	0.008	30 min Avg	0.015	0.043	0.053
ESE	1:00 PM	30 min Avg	0.008	30 min Avg	0.013	0.043	0.053
ESE	1:30 PM	30 min Avg	0.012	30 min Avg	0.008	0.047	0.057
E	2:00 PM	30 min Avg	0.009	30 min Avg	0.02	0.044	0.054
ESE	2:30 PM	30 min Avg	0.021	30 min Avg	0.01	0.056	0.066
ESE	3:00 PM	30 min Avg	0.009	30 min Avg	0.015	0.044	0.054
ESE	3:30 PM	30 min Avg	0.009	30 min Avg	0.013	0.044	0.054
ESE	4:00 PM	30 min Avg	0.015	30 min Avg	0.006	0.050	0.060
ESE	4:30 PM	30 min Avg	0.008	30 min Avg	0.015	0.043	0.053
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	0.01	30 min Avg	0.009	0.045	0.055

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 10:00 reading reached an action level. More dust suppression was added the 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 04-01-12**

Date: 3/27/2012 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	0.01	30 min Avg	0.021	0.045	0.055
SSE	7:00 AM	30 min Avg	0.006	30 min Avg	0.018	0.041	0.051
SSE	7:30 AM	30 min Avg	0.019	30 min Avg	0.007	0.054	0.064
SE	8:00 AM	30 min Avg	0.009	30 min Avg	0.016	0.044	0.054
SE	8:30 AM	30 min Avg	0.025	30 min Avg	0.009	0.060	0.070
SE	9:00 AM	30 min Avg	0.017	30 min Avg	0.005	0.052	0.062
SE	9:30 AM	30 min Avg	0.012	30 min Avg	0.009	0.047	0.057
SE	10:00 AM	30 min Avg	0.006	30 min Avg	0.028	0.041	0.051
SE	10:30 AM	30 min Avg	0.009	30 min Avg	0.017	0.044	0.054
SE	11:00 AM	30 min Avg	0.008	30 min Avg	0	0.043	0.053
ESE	11:30 AM	30 min Avg	0.004	30 min Avg	0.013	0.039	0.049
SE	12:00 PM	30 min Avg	0.008	30 min Avg	0.014	0.043	0.053
SE	12:30 PM	30 min Avg	0.005	30 min Avg	0.016	0.040	0.050
SE	1:00 PM	30 min Avg	0	30 min Avg	0.016	0.035	0.045
SE	1:30 PM	30 min Avg	0.021	30 min Avg	0.022	0.056	0.066
SE	2:00 PM	30 min Avg	0.003	30 min Avg	0.008	0.038	0.048
SE	2:30 PM	30 min Avg	0.016	30 min Avg	0.013	0.051	0.061
SE	3:00 PM	30 min Avg	0.004	30 min Avg	0.003	0.039	0.049
SE	3:30 PM	30 min Avg	0.009	30 min Avg	0.015	0.044	0.054
ESE	4:00 PM	30 min Avg	0.013	30 min Avg	0.003	0.048	0.058
ESE	4:30 PM	30 min Avg	0.004	30 min Avg	0	0.039	0.049
ESE	5:00 PM	30 min Avg	0.009	30 min Avg	0.001	0.044	0.054
ESE	5:30 PM	30 min Avg	0.011	30 min Avg	0	0.046	0.056

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:

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 04-01-12**

Date: 3/28/2012 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	0.015	0.050	0.060
SE	7:00 AM	30 min Avg	0.011	0.046	0.056
SE	7:30 AM	30 min Avg	0.013	0.048	0.058
SE	8:00 AM	30 min Avg	0	0.035	0.045
ESE	8:30 AM	30 min Avg	0.004	0.039	0.049
SE	9:00 AM	30 min Avg	0.01	0.045	0.055
SE	9:30 AM	30 min Avg	0.01	0.045	0.055
SE	10:00 AM	30 min Avg	0.052	0.087	0.097
SSE	10:30 AM	30 min Avg	0	0.035	0.045
SSE	11:00 AM	30 min Avg	0.013	0.048	0.058
SSE	11:30 AM	30 min Avg	0.008	0.043	0.053
SSE	12:00 PM	30 min Avg	0.005	0.040	0.050
SSE	12:30 PM	30 min Avg	0.026	0.061	0.071
SSE	1:00 PM	30 min Avg	0.002	0.037	0.047
SSE	1:30 PM	30 min Avg	0.012	0.047	0.057
SE	2:00 PM	30 min Avg	0.006	0.041	0.051
SE	2:30 PM	30 min Avg	0.014	0.049	0.059
SE	3:00 PM	30 min Avg	0.005	0.040	0.050
SE	3:30 PM	30 min Avg	0.008	0.043	0.053
SE	4:00 PM	30 min Avg	0.013	0.048	0.058
SE	4:30 PM	30 min Avg	0.009	0.044	0.054
SE	5:00 PM	30 min Avg	0.021	0.056	0.066
SE	5:30 PM	30 min Avg	0.016	0.051	0.061
	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:

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 04-01-12**

Date: 3/29/2012 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	0.022	30 min Avg	0.031	0.057	0.067
SSE	7:00 AM	30 min Avg	0.001	30 min Avg	0.003	0.036	0.046
SSE	7:30 AM	30 min Avg	0.012	30 min Avg	0.013	0.047	0.057
SE	8:00 AM	30 min Avg	0.004	30 min Avg	0.011	0.039	0.049
SE	8:30 AM	30 min Avg	0.005	30 min Avg	0.009	0.040	0.050
WSW	9:00 AM	30 min Avg	0.007	30 min Avg	0.015	0.042	0.052
WSW	9:30 AM	30 min Avg	0.054	30 min Avg	0.011	0.089	0.099
NW	10:00 AM	30 min Avg	0.031	30 min Avg	0.027	0.066	0.076
NW	10:30 AM	30 min Avg	0	30 min Avg	0.002	0.035	0.045
NNE	11:00 AM	30 min Avg	0.043	30 min Avg	0.049	0.078	0.088
NNE	11:30 AM	30 min Avg	0.01	30 min Avg	0.015	0.045	0.055
NNE	12:00 PM	30 min Avg	0.021	30 min Avg	0.023	0.056	0.066
ENE	12:30 PM	30 min Avg	0.035	30 min Avg	0.031	0.070	0.080
E	1:00 PM	30 min Avg	0.006	30 min Avg	0.008	0.041	0.051
SSE	1:30 PM	30 min Avg	0.011	30 min Avg	0.016	0.046	0.056
SSE	2:00 PM	30 min Avg	0.029	30 min Avg	0.031	0.064	0.074
SE	2:30 PM	30 min Avg	0.021	30 min Avg	0.02	0.056	0.066
ESE	3:00 PM	30 min Avg	0.019	30 min Avg	0.016	0.054	0.064
ESE	3:30 PM	30 min Avg	0.028	30 min Avg	0.04	0.063	0.073
ESE	4:00 PM	30 min Avg	0	30 min Avg	0	0.035	0.045
ESE	4:30 PM	30 min Avg	0.006	30 min Avg	0.013	0.041	0.051
	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
	6:00 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

[10:05 (Upwind) NW- west of building 14 (Downwind) SW- south of building 3]

[1:35(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 4:40 including the E-BAM units due to heavy rains, hail and lightning.

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 04-01-12**

Date: 3/30/2012 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	30 min Avg	0	0.035	0.045
S	6:30 AM	30 min Avg	0.017	30 min Avg	0.022	0.052	0.062
S	7:00 AM	30 min Avg	0.022	30 min Avg	0.015	0.057	0.067
S	7:30 AM	30 min Avg	0.014	30 min Avg	0.024	0.049	0.059
S	8:00 AM	30 min Avg	0.014	30 min Avg	0.005	0.049	0.059
S	8:30 AM	30 min Avg	0.023	30 min Avg	0.032	0.058	0.068
SW	9:00 AM	30 min Avg	0.005	30 min Avg	0.01	0.040	0.050
SW	9:30 AM	30 min Avg	0.006	30 min Avg	0.002	0.041	0.051
SW	10:00 AM	30 min Avg	0	30 min Avg	0.012	0.035	0.045
SSW	10:30 AM	30 min Avg	0	30 min Avg	0.013	0.035	0.045
SSW	11:00 AM	30 min Avg	0.004	30 min Avg	0.022	0.039	0.049
SSW	11:30 AM	30 min Avg	0.003	30 min Avg	0.011	0.038	0.048
WSW	12:00 PM	30 min Avg	0.006	30 min Avg	0.006	0.041	0.051
WSW	12:30 PM	30 min Avg	0.013	30 min Avg	0.03	0.048	0.058
NE	1:00 PM	30 min Avg	0.008	30 min Avg	0.007	0.043	0.053
NE	1:30 PM	30 min Avg	0.009	30 min Avg	0.009	0.044	0.054
NE	2:00 PM	30 min Avg	0.016	30 min Avg	0.017	0.051	0.061
ENE	2:30 PM	30 min Avg	0.012	30 min Avg	0.011	0.047	0.057
E	3:00 PM	30 min Avg	0.007	30 min Avg	0	0.042	0.052
ESE	3:30 PM	30 min Avg	0.006	30 min Avg	0.019	0.041	0.051
SE	4:00 PM	30 min Avg	0.006	30 min Avg	0	0.041	0.051
SE	4:30 PM	30 min Avg	0.024	30 min Avg	0.032	0.059	0.069
SE	5:00 PM	30 min Avg	0.018	30 min Avg	0.011	0.053	0.063
SE	5:30 PM	30 min Avg	0.001	30 min Avg	0.011	0.036	0.046

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

[1:35 (Upwind) NW- west of building 14 (Downwind) SW- south of building 3]

[4:10 (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 04-01-12**

Date: 3/31/2012 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

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 04-01-12**

Date: 4/1/2012 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

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.