

**Former ASARCO-Encycle Demolition
Particulate Monitoring Summary
Week Ending 03-11-12**

Date: 3/5/2012 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	0.01	30 min Avg	0.016	0.045	0.055
SE	7:00 AM	30 min Avg	0.01	30 min Avg	0.01	0.045	0.055
SSE	7:30 AM	30 min Avg	0.03	30 min Avg	0.01	0.065	0.075
SSE	8:00 AM	30 min Avg	0.02	30 min Avg	0.023	0.055	0.065
SSE	8:30 AM	30 min Avg	0.001	30 min Avg	0.015	0.036	0.046
SSE	9:00 AM	30 min Avg	0	30 min Avg	0.008	0.035	0.045
SSE	9:30 AM	30 min Avg	0.005	30 min Avg	0	0.040	0.050
SE	10:00 AM	30 min Avg	0.001	30 min Avg	0.022	0.036	0.046
SE	10:30 AM	30 min Avg	0	30 min Avg	0.004	0.035	0.045
SE	11:00 AM	30 min Avg	0.004	30 min Avg	0.006	0.039	0.049
SSE	11:30 AM	30 min Avg	0.005	30 min Avg	0.007	0.040	0.050
SE	12:00 PM	30 min Avg	0	30 min Avg	0.003	0.035	0.045
SE	12:30 PM	30 min Avg	0	30 min Avg	0.017	0.035	0.045
SE	1:00 PM	30 min Avg	0.002	30 min Avg	0.006	0.037	0.047
SE	1:30 PM	30 min Avg	0.001	30 min Avg	0	0.036	0.046
SE	2:00 PM	30 min Avg	0.001	30 min Avg	0.004	0.036	0.046
SE	2:30 PM	30 min Avg	0.009	30 min Avg	0.003	0.044	0.054
SE	3:00 PM	30 min Avg	0	30 min Avg	0.007	0.035	0.045
ESE	3:30 PM	30 min Avg	0.003	30 min Avg	0	0.038	0.048
ESE	4:00 PM	30 min Avg	0.008	30 min Avg	0.008	0.043	0.053
SE	4:30 PM	30 min Avg	0	30 min Avg	0.007	0.035	0.045
SE	5:00 PM	30 min Avg	0.002	30 min Avg	0	0.037	0.047
SE	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 03-11-12**

Date: 3/6/2012 Technician: Carl Jones

Prevailing Wind		Time	Unit 2-Upwind Reading		Unit 1-Downwind Reading		Action Level	Stop Work
Direction								
SE	6:00 AM	30 min Avg	0	30 min Avg	0	0.035	0.045	
SE	6:30 AM	30 min Avg	0.013	30 min Avg	0.018	0.048	0.058	
SE	7:00 AM	30 min Avg	0.012	30 min Avg	0.017	0.047	0.057	
SE	7:30 AM	30 min Avg	0.006	30 min Avg	0.002	0.041	0.051	
SE	8:00 AM	30 min Avg	0.047	30 min Avg	0.028	0.082	0.092	
SE	8:30 AM	30 min Avg	0.002	30 min Avg	0.003	0.037	0.047	
SE	9:00 AM	30 min Avg	0.002	30 min Avg	0.019	0.037	0.047	
SE	9:30 AM	30 min Avg	0.009	30 min Avg	0.015	0.044	0.054	
SE	10:00 AM	30 min Avg	0	30 min Avg	0.003	0.035	0.045	
SE	10:30 AM	30 min Avg	0.012	30 min Avg	0.011	0.047	0.057	
SE	11:00 AM	30 min Avg	0	30 min Avg	0.018	0.035	0.045	
SE	11:30 AM	30 min Avg	0.006	30 min Avg	0.011	0.041	0.051	
SE	12:00 PM	30 min Avg	0.004	30 min Avg	0.01	0.039	0.049	
SE	12:30 PM	30 min Avg	0.021	30 min Avg	0.015	0.056	0.066	
SE	1:00 PM	30 min Avg	0	30 min Avg	0.004	0.035	0.045	
SE	1:30 PM	30 min Avg	0.003	30 min Avg	0.011	0.038	0.048	
SE	2:00 PM	30 min Avg	0.002	30 min Avg	0	0.037	0.047	
SE	2:30 PM	30 min Avg	0.01	30 min Avg	0.012	0.045	0.055	
SE	3:00 PM	30 min Avg	0	30 min Avg	0.009	0.035	0.045	
SE	3:30 PM	30 min Avg	0.008	30 min Avg	0.021	0.043	0.053	
SE	4:00 PM	30 min Avg	0.003	30 min Avg	0.001	0.038	0.048	
SE	4:30 PM	30 min Avg	0.013	30 min Avg	0.011	0.048	0.058	
SE	5:00 PM	30 min Avg	0	30 min Avg	0.006	0.035	0.045	
SE	5:30 PM	30 min Avg	0.016	30 min Avg	0.005	0.051	0.061	

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 03-11-12**

Date: 3/7/2012 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	0.009	0.044	0.054
SE	8:00 AM	30 min Avg	0.009	0.044	0.054
SE	8:30 AM	30 min Avg	0.007	0.042	0.052
SE	9:00 AM	30 min Avg	0.004	0.039	0.049
SE	9:30 AM	30 min Avg	0.013	0.048	0.058
SE	10:00 AM	30 min Avg	0.028	0.063	0.073
SSE	10:30 AM	30 min Avg	0.03	0.065	0.075
SSE	11:00 AM	30 min Avg	0.013	0.048	0.058
SSE	11:30 AM	30 min Avg	0.005	0.040	0.050
SSE	12:00 PM	30 min Avg	0	0.035	0.045
SSE	12:30 PM	30 min Avg	0.014	0.049	0.059
SSE	1:00 PM	30 min Avg	0.022	0.057	0.067
SSE	1:30 PM	30 min Avg	0.013	0.048	0.058
SSE	2:00 PM	30 min Avg	0.02	0.055	0.065
SE	2:30 PM	30 min Avg	0.012	0.047	0.057
SE	3:00 PM	30 min Avg	0.007	0.042	0.052
SSE	3:30 PM	30 min Avg	0.011	0.046	0.056
SSE	4:00 PM	30 min Avg	0.016	0.051	0.061
SE	4:30 PM	30 min Avg	0.02	0.055	0.065
SE	5:00 PM	30 min Avg	0	0.035	0.045
SE	5:30 PM	30 min Avg	0	0.035	0.045
	6:00PM	30 min Avg			

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 03-11-12**

Date: 3/8/2012 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	0.014	30 min Avg	0.015	0.049	0.059
SSE	7:00 AM	30 min Avg	0.012	30 min Avg	0.016	0.047	0.057
SSE	7:30 AM	30 min Avg	0.008	30 min Avg	0.018	0.043	0.053
SE	8:00 AM	30 min Avg	0.011	30 min Avg	0.018	0.046	0.056
SE	8:30 AM	30 min Avg	0.016	30 min Avg	0.012	0.051	0.061
SE	9:00 AM	30 min Avg	0.013	30 min Avg	0.016	0.048	0.058
SSE	9:30 AM	30 min Avg	0.015	30 min Avg	0.002	0.050	0.060
SE	10:00 AM	30 min Avg	0	30 min Avg	0.01	0.035	0.045
SE	10:30 AM	30 min Avg	0.006	30 min Avg	0.002	0.041	0.051
SE	11:00 AM	30 min Avg	0.008	30 min Avg	0.022	0.043	0.053
SE	11:30 AM	30 min Avg	0	30 min Avg	0.004	0.035	0.045
SE	12:00 PM	30 min Avg	0.013	30 min Avg	0.018	0.048	0.058
SSE	12:30 PM	30 min Avg	0.026	30 min Avg	0.009	0.061	0.071
SSE	1:00 PM	30 min Avg	0.009	30 min Avg	0.024	0.044	0.054
SSE	1:30 PM	30 min Avg	0.017	30 min Avg	0.022	0.052	0.062
SSE	2:00 PM	30 min Avg	0.022	30 min Avg	0.022	0.057	0.067
SE	2:30 PM	30 min Avg	0.015	30 min Avg	0.024	0.050	0.060
SE	3:00 PM	30 min Avg	0.012	30 min Avg	0.012	0.047	0.057
SE	3:30 PM	30 min Avg	0.023	30 min Avg	0.03	0.058	0.068
SE	4:00 PM	30 min Avg	0.023	30 min Avg	0	0.058	0.068
SE	4:30 PM	30 min Avg	0	30 min Avg	0.005	0.035	0.045
SE	5:00 PM	30 min Avg	0.004	30 min Avg	0.01	0.039	0.049
SE	5:30 PM	30 min Avg	0.013	30 min Avg	0.016	0.048	0.058
	6:00 PM	30 min Avg		30 min Avg			

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 03-11-12**

Date: 3/9/2012 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: Work did not start due to high northerly winds.

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 03-11-12**

Date: 3/10/2012 Technician: Carl Jones

Prevailing Wind

Direction	Time	Unit 2-Upwind Reading	Unit 1-Downwind Reading	Action Level	Stop Work
NW	6:00 AM	30 min Avg	0	0.035	0.045
NW	6:30 AM	30 min Avg	0	0.035	0.045
NW	7:00 AM	30 min Avg	0.012	0.047	0.057
NW	7:30 AM	30 min Avg	0	0.035	0.045
NW	8:00 AM	30 min Avg	0.005	0.040	0.050
NW	8:30 AM	30 min Avg	0	0.035	0.045
NNW	9:00 AM	30 min Avg	0	0.035	0.045
NNW	9:30 AM	30 min Avg	0	0.035	0.045
NW	10:00 AM	30 min Avg	0.005	0.040	0.050
NW	10:30 AM	30 min Avg	0.001	0.036	0.046
NW	11:00 AM	30 min Avg	0.015	0.050	0.060
WNW	11:30 AM	30 min Avg	0	0.035	0.045
WNW	12:00 PM	30 min Avg	0.009	0.044	0.054
WNW	12:30 PM	30 min Avg	0	0.035	0.045
WNW	1:00 PM	30 min Avg	0.01	0.045	0.055
WNW	1:30 PM	30 min Avg	0.012	0.047	0.057
WNW	2:00 PM	30 min Avg	0.008	0.043	0.053
WNW	2:30 PM	30 min Avg	0.012	0.047	0.057
NW	3:00 PM	30 min Avg	0.006	0.041	0.051
NW	3:30 PM	30 min Avg	0.013	0.048	0.058
NW	4:00 PM	30 min Avg	0.004	0.039	0.049
NW	4:30 PM	30 min Avg	0	0.035	0.045
NNW	5:00 PM	30 min Avg	0.001	0.036	0.046
	5:30 PM	30 min Avg			

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

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.

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 03-11-12**

Date: 3/11/2012 Technician: Carl Jones

Prevailing Wind

Direction	Time	Unit 2-Upwind Reading	Unit 1-Downwind Reading	Action Level	Stop Work
WNW	6:00 AM	30 min Avg	0	0.035	0.045
WNW	6:30 AM	30 min Avg	0.012	0.047	0.057
NW	7:00 AM	30 min Avg	0.014	0.049	0.059
WNW	7:30 AM	30 min Avg	0.002	0.037	0.047
NW	8:00 AM	30 min Avg	0	0.035	0.045
NW	8:30 AM	30 min Avg	0	0.035	0.045
WNW	9:00 AM	30 min Avg	0.011	0.046	0.056
WNW	9:30 AM	30 min Avg	0.004	0.039	0.049
WNW	10:00 AM	30 min Avg	0	0.035	0.045
WNW	10:30 AM	30 min Avg	0.012	0.047	0.057
W	11:00 AM	30 min Avg	0.004	0.039	0.049
W	11:30 AM	30 min Avg	0.001	0.036	0.046
W	12:00 PM	30 min Avg	0	0.035	0.045
SW	12:30 PM	30 min Avg	0.011	0.046	0.056
SW	1:00 PM	30 min Avg	0.025	0.060	0.070
SW	1:30 PM	30 min Avg	0	0.035	0.045
SSW	2:00 PM	30 min Avg	0.044	0.079	0.089
SSW	2:30 PM	30 min Avg	0.001	0.036	0.046
SSW	3:00 PM	30 min Avg	0.012	0.047	0.057
E	3:30 PM	30 min Avg	0.004	0.039	0.049
	4:00 PM	30 min Avg			
	4:30 PM	30 min Avg			
	5:00 PM	30 min Avg			
	5:30 PM	30 min Avg			
	6:00PM	30 min Avg			

E-BAM locations (Upwind) NW- west of building 14 (Downwind) SW- south of building 3 [1:15 (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 3:05.

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.