

**Former ASARCO-Encycle Demolition
Particulate Monitoring Summary
Week Ending 02-05-12**

Date: 1/30/2012 Technician: Carl Jones

Prevailing Wind

Direction	Time	Unit 2-Upwind Reading	Unit 1-Downwind Reading	Action Level	Stop Work
NNE	6:00 AM	30 min Avg	0	0.035	0.045
NNE	6:30 AM	30 min Avg	0.015	0.050	0.060
NNE	7:00 AM	30 min Avg	0.008	0.043	0.053
NNE	7:30 AM	30 min Avg	0.007	0.042	0.052
NE	8:00 AM	30 min Avg	0.008	0.043	0.053
NE	8:30 AM	30 min Avg	0.002	0.037	0.047
NE	9:00 AM	30 min Avg	0.005	0.040	0.050
NE	9:30 AM	30 min Avg	0.012	0.047	0.057
ENE	10:00 AM	30 min Avg	0.018	0.053	0.063
E	10:30 AM	30 min Avg	0.038	0.073	0.083
ESE	11:00 AM	30 min Avg	0.009	0.044	0.054
ESE	11:30 AM	30 min Avg	0	0.035	0.045
ESE	12:00 PM	30 min Avg	0.033	0.068	0.078
ESE	12:30 PM	30 min Avg	0.004	0.039	0.049
ESE	1:00 PM	30 min Avg	0.01	0.045	0.055
ESE	1:30 PM	30 min Avg	0.035	0.070	0.080
ESE	2:00 PM	30 min Avg	0	0.035	0.045
ESE	2:30 PM	30 min Avg	0	0.035	0.045
ESE	3:00 PM	30 min Avg	0	0.035	0.045
ESE	3:30 PM	30 min Avg	0.014	0.049	0.059
SE	4:00 PM	30 min Avg	0.008	0.043	0.053
SE	4:30 PM	30 min Avg	0	0.035	0.045
SE	5:00 PM	30 min Avg	0.008	0.043	0.053
SE	5:30 PM	30 min Avg	0.009	0.044	0.054

E-BAM locations (Upwind) NW-west of building 14 (Downwind) SW- south of building 3 [11:03 (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 02-05-12**

Date: 1/31/2012 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
SW	6:30 AM	30 min Avg	0.012	30 min Avg	0.014	0.047	0.057
WNW	7:00 AM	30 min Avg	0.017	30 min Avg	0.015	0.052	0.062
NE	7:30 AM	30 min Avg	0	30 min Avg	0.01	0.035	0.045
ESE	8:00 AM	30 min Avg	0.008	30 min Avg	0.011	0.043	0.053
ENE	8:30 AM	30 min Avg	0.011	30 min Avg	0.004	0.046	0.056
ENE	9:00 AM	30 min Avg	0.033	30 min Avg	0.012	0.068	0.078
S	9:30 AM	30 min Avg	0.035	30 min Avg	0.03	0.070	0.080
SSE	10:00 AM	30 min Avg	0	30 min Avg	0	0.035	0.045
SSE	10:30 AM	30 min Avg	0.023	30 min Avg	0.012	0.058	0.068
SSE	11:00 AM	30 min Avg	0.02	30 min Avg	0.014	0.055	0.065
SSE	11:30 AM	30 min Avg	0	30 min Avg	0	0.035	0.045
SSE	12:00 PM	30 min Avg	0.003	30 min Avg	0.002	0.038	0.048
ESE	12:30 PM	30 min Avg	0	30 min Avg	0	0.035	0.045
SSE	1:00 PM	30 min Avg	0.009	30 min Avg	0.011	0.044	0.054
SSE	1:30 PM	30 min Avg	0.042	30 min Avg	0.03	0.077	0.087
SSE	2:00 PM	30 min Avg	0.009	30 min Avg	0.018	0.044	0.054
SSE	2:30 PM	30 min Avg	0.001	30 min Avg	0.009	0.036	0.046
SE	3:00 PM	30 min Avg	0.016	30 min Avg	0.011	0.051	0.061
SE	3:30 PM	30 min Avg	0.013	30 min Avg	0	0.048	0.058
ESE	4:00 PM	30 min Avg	0.01	30 min Avg	0.03	0.045	0.055
ESE	4:30 PM	30 min Avg	0.011	30 min Avg	0	0.046	0.056
SE	5:00 PM	30 min Avg	0	30 min Avg	0	0.035	0.045
SE	5:30 PM	30 min Avg	0	30 min Avg	0.015	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 not considered accurate.

**Former ASARCO-Encycle Demolition
Particulate Monitoring Summary
Week Ending 02-05-12**

Date: 2/1/2012 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
SSW	7:00 AM	30 min Avg	0.007	0.042	0.052
SSW	7:30 AM	30 min Avg	0	0.035	0.045
SSW	8:00 AM	30 min Avg	0.007	0.042	0.052
SSW	8:30 AM	30 min Avg	0.004	0.039	0.049
S	9:00 AM	30 min Avg	0	0.035	0.045
S	9:30 AM	30 min Avg	0.005	0.040	0.050
S	10:00 AM	30 min Avg	0	0.035	0.045
S	10:30 AM	30 min Avg	0.038	0.073	0.083
S	11:00 AM	30 min Avg	0.019	0.054	0.064
S	11:30 AM	30 min Avg	0.001	0.036	0.046
ESE	12:00 PM	30 min Avg	0.007	0.042	0.052
NNE	12:30 PM	30 min Avg	0.008	0.043	0.053
NE	1:00 PM	30 min Avg	0.038	0.073	0.083
NE	1:30 PM	30 min Avg	0.008	0.043	0.053
NE	2:00 PM	30 min Avg	0.015	0.050	0.060
NE	2:30 PM	30 min Avg	0.011	0.046	0.056
NE	3:00 PM	30 min Avg	0	0.035	0.045
ENE	3:30 PM	30 min Avg	0.029	0.064	0.074
ENE	4:00 PM	30 min Avg	0.011	0.046	0.056
E	4:30 PM	30 min Avg	0	0.035	0.045
E	5:00 PM	30 min Avg	0	0.035	0.045
ESE	5:30 PM	30 min Avg	0.016	0.051	0.061

E-BAM locations (Upwind) SW- south of building 3 (Downwind) NW- west of building 14 [12:35 (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: The 5:00 reading reached an action level. All work ended at 4:50 except for dust suppression which continued until 5:15.

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 02-05-12**

Date: 2/2/2012 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	0.013	30 min Avg	0.028	0.048	0.058
SE	7:00 AM	30 min Avg	0.003	30 min Avg	0.011	0.038	0.048
SE	7:30 AM	30 min Avg	0.013	30 min Avg	0.012	0.048	0.058
SE	8:00 AM	30 min Avg	0.01	30 min Avg	0.012	0.045	0.055
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	0.002	30 min Avg	0.007	0.037	0.047
SE	9:30 AM	30 min Avg	0.001	30 min Avg	0	0.036	0.046
SE	10:00 AM	30 min Avg	0.004	30 min Avg	0.009	0.039	0.049
SE	10:30 AM	30 min Avg	0.055	30 min Avg	0.007	0.090	0.100
SE	11:00 AM	30 min Avg	0	30 min Avg	0.041	0.035	0.045
SE	11:30 AM	30 min Avg	0.004	30 min Avg	0.004	0.039	0.049
ESE	12:00 PM	30 min Avg	0.019	30 min Avg	0	0.054	0.064
ESE	12:30 PM	30 min Avg	0.03	30 min Avg	0	0.065	0.075
ESE	1:00 PM	30 min Avg	0	30 min Avg	0	0.035	0.045
ESE	1:30 PM	30 min Avg	0.023	30 min Avg	0.014	0.058	0.068
ESE	2:00 PM	30 min Avg	0.025	30 min Avg	0.004	0.060	0.070
SE	2:30 PM	30 min Avg	0.014	30 min Avg	0.023	0.049	0.059
SE	3:00 PM	30 min Avg	0.016	30 min Avg	0.017	0.051	0.061
ESE	3:30 PM	30 min Avg	0	30 min Avg	0	0.035	0.045
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	0.001	30 min Avg	0.013	0.036	0.046
ESE	5:00 PM	30 min Avg	0.004	30 min Avg	0.001	0.039	0.049
ESE	5:30 PM	30 min Avg	0.008	30 min Avg	0.002	0.043	0.053

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 11:00 reading reached an action level. Additional 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 02-05-12**

Date: 2/3/2012 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	30 min Avg	0	0.035	0.045
S	6:30 AM	30 min Avg	0.011	30 min Avg	0.024	0.046	0.056
SE	7:00 AM	30 min Avg	0.009	30 min Avg	0.014	0.044	0.054
SE	7:30 AM	30 min Avg	0.007	30 min Avg	0.004	0.042	0.052
SE	8:00 AM	30 min Avg	0.014	30 min Avg	0.02	0.049	0.059
SE	8:30 AM	30 min Avg	0.001	30 min Avg	0.007	0.036	0.046
SSE	9:00 AM	30 min Avg	0.003	30 min Avg	0	0.038	0.048
SSE	9:30 AM	30 min Avg	0.002	30 min Avg	0.014	0.037	0.047
SSE	10:00 AM	30 min Avg	0	30 min Avg	0.004	0.035	0.045
SSE	10:30 AM	30 min Avg	0.012	30 min Avg	0.012	0.047	0.057
SSE	11:00 AM	30 min Avg	0	30 min Avg	0.004	0.035	0.045
S	11:30 AM	30 min Avg	0.054	30 min Avg	0.05	0.089	0.099
SSE	12:00 PM	30 min Avg	0.009	30 min Avg	0	0.044	0.054
SSE	12:30 PM	30 min Avg	0.021	30 min Avg	0	0.056	0.066
SSE	1:00 PM	30 min Avg	0.009	30 min Avg	0.013	0.044	0.054
SSE	1:30 PM	30 min Avg	0.014	30 min Avg	0.016	0.049	0.059
SSE	2:00 PM	30 min Avg	0	30 min Avg	0.009	0.035	0.045
SSE	2:30 PM	30 min Avg	0.014	30 min Avg	0.012	0.049	0.059
SSE	3:00 PM	30 min Avg	0.007	30 min Avg	0.01	0.042	0.052
SSE	3:30 PM	30 min Avg	0.019	30 min Avg	0.015	0.054	0.064
SSE	4:00 PM	30 min Avg	0.005	30 min Avg	0.004	0.040	0.050
SSE	4:30 PM	30 min Avg	0.012	30 min Avg	0	0.047	0.057
SSE	5:00 PM	30 min Avg	0	30 min Avg	0	0.035	0.045
SSE	5:30 PM	30 min Avg	0.009	30 min Avg	0.007	0.044	0.054

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 02-05-12**

Date: 2/4/2012 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

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 had started due to the forecast of 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 02-05-12**

Date: 2/5/2012 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
	6:00PM	30 min Avg	30 min Avg	0.035	0.045

E-BAM locations

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 had started due to the forecast of 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 considered accurate.