

**Former ASARCO-Encycle Demolition
Particulate Monitoring Summary
Week Ending 10-22-11**

Date: 10/17/2011 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	0.024	0.059	0.069
SSW	7:00 AM	30 min Avg	0.092	0.127	0.137
SSW	7:30 AM	30 min Avg	0.004	0.039	0.049
SSW	8:00 AM	30 min Avg	0	0.035	0.045
SSW	8:30 AM	30 min Avg	0	0.035	0.045
SSW	9:00 AM	30 min Avg	0	0.035	0.045
SSW	9:30 AM	30 min Avg	0.004	0.039	0.049
SSW	10:00 AM	30 min Avg	0.004	0.039	0.049
S	10:30 AM	30 min Avg	0.008	0.043	0.053
S	11:00 AM	30 min Avg	0.002	0.037	0.047
SE	11:30 AM	30 min Avg	0.004	0.039	0.049
SE	12:00 PM	30 min Avg	0.002	0.037	0.047
SE	12:30 PM	30 min Avg	0.003	0.038	0.048
SE	1:00 PM	30 min Avg	0	0.035	0.045
S	1:30 PM	30 min Avg	0.014	0.049	0.059
SSE	2:00 PM	30 min Avg	0.011	0.046	0.056
ESE	2:30 PM	30 min Avg	0.007	0.042	0.052
ESE	3:00 PM	30 min Avg	0.002	0.037	0.047
ESE	3:30 PM	30 min Avg	0	0.035	0.045
ESE	4:00 PM	30 min Avg	0.011	0.046	0.056
ESE	4:30 PM	30 min Avg	0.006	0.041	0.051
ESE	5:00 PM	30 min Avg	0.001	0.036	0.046
ESE	5:30 PM	30 min Avg	0.006	0.041	0.051

Notes: E-BAM location SE-east of building 42, NW-West of building 14

All readings in mg/m3

Action level = upwind concentration + 0.035 mg/m3

Stop Work Level = upwind concentration + 0.045 mg/m3

Note time/duration of work stoppage: At 8:00 an action level reading was taken. More dust suppression was added t

Note: 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 10-22-11**

Date: 10/18/2011 Technician: Carl Jones

Prevailing Wind

Direction	Time	Unit 2-Upwind Reading	Unit 1-Downwind Reading	Action Level	Stop Work		
N	6:00 AM	30 min Avg	0	30 min Avg	0	0.035	0.045
N	6:30 AM	30 min Avg	0.029	30 min Avg	0.031	0.064	0.074
N	7:00 AM	30 min Avg	0.038	30 min Avg	0.017	0.073	0.083
NNE	7:30 AM	30 min Avg	0.003	30 min Avg	0.047	0.038	0.048
NNE	8:00 AM	30 min Avg	0.019	30 min Avg	0.034	0.054	0.064
NNE	8:30 AM	30 min Avg	0.001	30 min Avg	0.003	0.036	0.046
N	9:00 AM	30 min Avg	0.018	30 min Avg	0.01	0.053	0.063
N	9:30 AM	30 min Avg	0.008	30 min Avg	0.011	0.043	0.053
	10:00 AM						
	10:30 AM						
	11:00 AM						
	11:30 AM						
	12:00 PM						
	12:30 PM						
	1:00 PM						
	1:30 PM						
	2:00 PM						
	2:30 PM						
	3:00 PM						
	3:30 PM						
	4:00 PM						
	4:30 PM						
	5:00 PM						
	5:30 PM						

Notes: E-BAM location NW-West of building 14, S- east of building 47

All readings in mg/m3

Action level = upwind concentration + 0.035 mg/m3

Stop Work Level = upwind concentration + 0.045 mg/m3

Note time/duration of work stoppage: The 7:30 reading was at an action level. A strong wind shift pushed up dust before the water trucks had started wetting down the areas. Abatement, demo, and haz waste removal did not start due to high northerly winds.

Note: 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 10-22-11**

Date: 10/19/2011 Technician: Carl Jones

Prevailing Wind Direction	Time	Unit 2-Upwind Reading	Unit 1-Downwind Reading	Action Level	Stop Work	
NNW	6:00 AM	30 min Avg	0.006	30 min Avg	0.041	0.051
NNW	6:30 AM	30 min Avg	0.011	30 min Avg	0.046	0.056
NNW	7:00 AM	30 min Avg	0.007	30 min Avg	0.042	0.052
NW	7:30 AM	30 min Avg	0.006	30 min Avg	0.041	0.051
NW	8:00 AM	30 min Avg	0.004	30 min Avg	0.039	0.049
NNW	8:30 AM	30 min Avg	0.005	30 min Avg	0.040	0.050
NNW	9:00 AM	30 min Avg	0	30 min Avg	0.035	0.045
NNW	9:30 AM	30 min Avg	0	30 min Avg	0.035	0.045
NNW	10:00 AM	30 min Avg	0.017	30 min Avg	0.052	0.062
NNW	10:30 AM	30 min Avg	0.001	30 min Avg	0.036	0.046
NNW	11:00 AM	30 min Avg	0	30 min Avg	0.035	0.045
NNW	11:30 AM	30 min Avg	0.004	30 min Avg	0.039	0.049
NNW	12:00 PM	30 min Avg	0.005	30 min Avg	0.040	0.050
NNW	12:30 PM	30 min Avg	0.009	30 min Avg	0.044	0.054
NNW	1:00 PM	30 min Avg	0.006	30 min Avg	0.041	0.051
NW	1:30 PM	30 min Avg	0.001	30 min Avg	0.036	0.046
NW	2:00 PM	30 min Avg	0	30 min Avg	0.035	0.045
NW	2:30 PM	30 min Avg	0.004	30 min Avg	0.039	0.049
NW	3:00 PM	30 min Avg	0.01	30 min Avg	0.045	0.055
NW	3:30 PM	30 min Avg	0.002	30 min Avg	0.037	0.047
NW	4:00 PM	30 min Avg	0.003	30 min Avg	0.038	0.048
NW	4:30 PM	30 min Avg	0	30 min Avg	0.035	0.045
NW	5:00 PM	30 min Avg	0.014	30 min Avg	0.049	0.059
NW	5:30 PM	30 min Avg	0.003	30 min Avg	0.038	0.048

Notes: E-BAM location NW-West of building 14, S-East of building 47

All readings in mg/m3

Action level = upwind concentration + 0.035 mg/m3

Stop Work Level = upwind concentration + 0.045 mg/m3

Note time/duration of work stoppage: The downwind generator would not start so the downwind E-BAM was delayed until 6:30. All work did not start until 8:00 with the first accurate reading at 8:30

Note: 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 10-22-11**

Date: 10/20/2011 Technician: Carl Jones

Prevailing Wind

Direction	Time	Unit 2-Upwind Reading	Unit 1-Downwind Reading	Action Level	Stop Work		
NE	6:00 AM	30 min Avg	0.009	30 min Avg	0.018	0.044	0.054
NE	6:30 AM	30 min Avg	0.016	30 min Avg	0.033	0.051	0.061
NNE	7:00 AM	30 min Avg	0.011	30 min Avg	0.015	0.046	0.056
NNE	7:30 AM	30 min Avg	0.001	30 min Avg	0.015	0.036	0.046
NNE	8:00 AM	30 min Avg	0.004	30 min Avg	0.008	0.039	0.049
NNE	8:30 AM	30 min Avg	0.004	30 min Avg	0	0.039	0.049
NNE	9:00 AM	30 min Avg	0	30 min Avg	0.009	0.035	0.045
NNE	9:30 AM	30 min Avg	0.004	30 min Avg	0.005	0.039	0.049
N	10:00 AM	30 min Avg	0.013	30 min Avg	0.009	0.048	0.058
NNE	10:30 AM	30 min Avg	0	30 min Avg	0.017	0.035	0.045
NNE	11:00 AM	30 min Avg	0.009	30 min Avg	0.009	0.044	0.054
NE	11:30 AM	30 min Avg	0.003	30 min Avg	0.002	0.038	0.048
ESE	12:00 PM	30 min Avg	0.006	30 min Avg	0.006	0.041	0.051
ENE	12:30 PM	30 min Avg	0.015	30 min Avg	0	0.050	0.060
E	1:00 PM	30 min Avg	0.006	30 min Avg	0.008	0.041	0.051
E	1:30 PM	30 min Avg	0.006	30 min Avg	0.005	0.041	0.051
ESE	2:00 PM	30 min Avg	0.014	30 min Avg	0.008	0.049	0.059
E	2:30 PM	30 min Avg	0.001	30 min Avg	0	0.036	0.046
ESE	3:00 PM	30 min Avg	0.007	30 min Avg	0	0.042	0.052
SE	3:30 PM	30 min Avg	0.004	30 min Avg	0.005	0.039	0.049
SE	4:00 PM	30 min Avg	0.004	30 min Avg	0.002	0.039	0.049
SE	4:30 PM	30 min Avg	0.003	30 min Avg	0.011	0.038	0.048
SE	5:00 PM	30 min Avg	0.008	30 min Avg	0	0.043	0.053
SE	5:30 PM	30 min Avg	0.003	30 min Avg	0.012	0.038	0.048

Notes: E-BAM location NE corner, SW- south of Building 3
All readings in mg/m³

Action level = upwind concentration + 0.035 mg/m³

Stop Work Level = upwind concentration + 0.045 mg/m³

Note time/duration of work stoppage:

Note: 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 10-22-11**

Date: 10/21/2011 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 0.108	30 min Avg 0.043	0.143	0.153
SE	7:00 AM	30 min Avg 0	30 min Avg 0.035	0.035	0.045
SE	7:30 AM	30 min Avg 0	30 min Avg 0	0.035	0.045
SE	8:00 AM	30 min Avg 0.02	30 min Avg 0.029	0.055	0.065
SE	8:30 AM	30 min Avg 0.021	30 min Avg 0.029	0.056	0.066
SE	9:00 AM	30 min Avg 0	30 min Avg 0.013	0.035	0.045
SE	9:30 AM	30 min Avg 0	30 min Avg 0	0.035	0.045
SE	10:00 AM	30 min Avg 0	30 min Avg 0.011	0.035	0.045
S	10:30 AM	30 min Avg 0	30 min Avg 0.007	0.035	0.045
S	11:00 AM	30 min Avg 0	30 min Avg 0.004	0.035	0.045
SSE	11:30 AM	30 min Avg 0.001	30 min Avg 0	0.036	0.046
SSE	12:00 PM	30 min Avg 0.005	30 min Avg 0.013	0.040	0.050
SSE	12:30 PM	30 min Avg 0.002	30 min Avg 0	0.037	0.047
SE	1:00 PM	30 min Avg 0.003	30 min Avg 0.004	0.038	0.048
SE	1:30 PM	30 min Avg 0.001	30 min Avg 0.012	0.036	0.046
SE	2:00 PM	30 min Avg 0.013	30 min Avg 0.003	0.048	0.058
SE	2:30 PM	30 min Avg 0.001	30 min Avg 0.004	0.036	0.046
SE	3:00 PM	30 min Avg 0.009	30 min Avg 0.013	0.044	0.054
SE	3:30 PM	30 min Avg 0.003	30 min Avg 0.009	0.038	0.048
SE	4:00 PM	30 min Avg 0	30 min Avg 0.002	0.035	0.045
SE	4:30 PM	30 min Avg 0.008	30 min Avg 0.017	0.043	0.053
SE	5:00 PM	30 min Avg 0	30 min Avg 0.004	0.035	0.045
SE	5:30 PM	30 min Avg 0.007	30 min Avg 0.005	0.042	0.052

Notes: E-AM is located S-east of building 47, NW- West of building 14
All readings in mg/m3

Action level = upwind concentration + 0.035 mg/m3

Stop Work Level = upwind concentration + 0.045 mg/m3

Note time/duration of work stoppage:

Note: Blue text readings are pre-work levels that were collected during the E-Bam instrument warm-up period and are not considered accurate.