

**Former ASARCO-Encycle Demolition
Particulate Monitoring Summary
Week Ending 6-25-11**

Date: 6/20/2011 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	-0.005	0.040	0.050
SE	6:30 AM	30 min Avg	0.008	0.043	0.053
SE	7:00 AM	30 min Avg	0.062	0.097	0.107
SE	7:30 AM	30 min Avg	0.019	0.054	0.064
SE	8:00 AM	30 min Avg	0.050	0.085	0.095
SE	8:30 AM	30 min Avg	-0.005	0.040	0.050
SE	9:00 AM	30 min Avg	0.010	0.045	0.055
SE	9:30 AM	30 min Avg	0.000	0.035	0.045
SE	10:00 AM	30 min Avg	-0.005	0.040	0.050
SE	10:30 AM	30 min Avg	0.008	0.043	0.053
SE	11:00 AM	30 min Avg	-0.004	0.039	0.049
SE	11:30 AM	30 min Avg	0.006	0.041	0.051
SE	12:00 PM	30 min Avg	0.005	0.040	0.050
SE	12:30 PM	30 min Avg	0.013	0.048	0.058
SE	1:00 PM	30 min Avg	0.011	0.046	0.056
SE	1:30 PM	30 min Avg	0.010	0.045	0.055
SE	2:00 PM	30 min Avg	0.009	0.044	0.054
SE	2:30 PM	30 min Avg	0.010	0.045	0.055
SE	3:00 PM	30 min Avg	0.004	0.039	0.049
SE	3:30 PM	30 min Avg	0.007	0.042	0.052
SE	4:00 PM	30 min Avg	0.009	0.044	0.054
SE	4:30 PM	30 min Avg	0.004	0.039	0.049
SE	5:00 PM	30 min Avg	0.016	0.051	0.061
SE	5:30 PM	30 min Avg	-0.001	0.036	0.046

Notes:

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 6-25-11**

Date: 6/21/2011 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	-0.005	0.040	0.050
SE	6:30 AM	30 min Avg	0.013	0.048	0.058
SE	7:00 AM	30 min Avg	0.092	0.127	0.137
SE	7:30 AM	30 min Avg	0.040	0.075	0.085
SE	8:00 AM	30 min Avg	0.017	0.052	0.062
SE	8:30 AM	30 min Avg	0.036	0.071	0.081
SE	9:00 AM	30 min Avg	0.020	0.055	0.065
SE	9:30 AM	30 min Avg	-0.003	0.038	0.048
SE	10:00 AM	30 min Avg	-0.004	0.039	0.049
SE	10:30 AM	30 min Avg	0.013	0.048	0.058
SE	11:00 AM	30 min Avg	0.013	0.048	0.058
SE	11:30 AM	30 min Avg	0.003	0.038	0.048
SE	12:00 PM	30 min Avg	0.001	0.036	0.046
SE	12:30 PM	30 min Avg	0.016	0.051	0.061
SE	1:00 PM	30 min Avg	0.017	0.052	0.062
SE	1:30 PM	30 min Avg	0.015	0.050	0.060
SE	2:00 PM	30 min Avg	0.012	0.047	0.057
SE	2:30 PM	30 min Avg	0.004	0.039	0.049
SE	3:00 PM	30 min Avg	0.012	0.047	0.057
SE	3:30 PM	30 min Avg	0.002	0.037	0.047
SE	4:00 PM	30 min Avg	0.009	0.044	0.054
SE	4:30 PM	30 min Avg	0.022	0.057	0.067
SE	5:00 PM	30 min Avg	0.006	0.041	0.051
SE	5:30 PM	30 min Avg	0.005	0.040	0.050

Notes:

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: 8:00 a.m. - Particulate concentration readings exceeded the "Stop Work" level. Project managers notified and all demo, abatement and waste removal ceased for thirty minutes while additional dust suppression measures implemented. A second reading at 8:30 am indicated that particulate concentrations were below action and stop work levels. Demo, abatement and waste removal recommenced.

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 6-25-11**

Date: 6/23/2011 Technician: Carl Jones

Prevailing Wind

Direction	Time	Unit 2-Upwind Reading	Unit 1-Downwind Reading	Action Level	Stop Work		
ESE	6:00 AM	30 min Avg	-0.005	30 min Avg	-0.005	0.040	0.040
ESE	6:30 AM	30 min Avg	-0.004	30 min Avg	0.044	0.039	0.049
ESE	7:00 AM	30 min Avg	0.030	30 min Avg	0.014	0.065	0.075
ESE	7:30 AM	30 min Avg	0.001	30 min Avg	0.011	0.036	0.046
ESE	8:00 AM	30 min Avg	0.029	30 min Avg	0.037	0.064	0.074
ESE	8:30 AM	30 min Avg	0.018	30 min Avg	-0.004	0.053	0.063
ESE	9:00 AM	30 min Avg	-0.004	30 min Avg	-0.002	0.039	0.049
ESE	9:30 AM	30 min Avg	-0.002	30 min Avg	0.005	0.037	0.047
SSE	10:00 AM	30 min Avg	0.017	30 min Avg	0.008	0.052	0.062
SSE	10:30 AM	30 min Avg	-0.005	30 min Avg	-0.003	0.040	0.050
SSE	11:00 AM	30 min Avg	0.010	30 min Avg	0.012	0.045	0.055
ESE	11:30 AM	30 min Avg	0.005	30 min Avg	0.005	0.040	0.050
SE	12:00 PM	30 min Avg	-0.002	30 min Avg	0.004	0.037	0.047
SSE	12:30 PM	30 min Avg	-0.003	30 min Avg	-0.005	0.038	0.048
SE	1:00 PM	30 min Avg	0.009	30 min Avg	0.002	0.044	0.054
ESE	1:30 PM	30 min Avg	0.018	30 min Avg	0.017	0.053	0.063
ESE	2:00 PM	30 min Avg	0.008	30 min Avg	0.007	0.043	0.053
SE	2:30 PM	30 min Avg	0.007	30 min Avg	0.007	0.042	0.052
ESE	3:00 PM	30 min Avg	-0.005	30 min Avg	-0.003	0.040	0.050
ESE	3:30 PM	30 min Avg	-0.005	30 min Avg	-0.005	0.040	0.050
ESE	4:00 PM	30 min Avg	0.012	30 min Avg	0.002	0.047	0.057
ESE	4:30 PM	30 min Avg	0.005	30 min Avg	0.006	0.040	0.050
ESE	5:00 PM	30 min Avg	0.003	30 min Avg	0.000	0.038	0.048
ESE	5:30 PM	30 min Avg	0.003	30 min Avg	0.009	0.038	0.048

Notes:

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 6-25-11**

Date: 6/24/2011 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	-0.005	30 min Avg	-0.005	0.040	0.050
SSE	6:30 AM	30 min Avg	-0.005	30 min Avg	0.025	0.040	0.050
S	7:00 AM	30 min Avg	0.016	30 min Avg	0.049	0.051	0.061
NE	7:30 AM	30 min Avg	0.008	30 min Avg	*	0.043	0.053
NE	8:00 AM	30 min Avg	0.078	30 min Avg	0.010	0.113	0.123
NE	8:30 AM	30 min Avg	0.008	30 min Avg	0.015	0.043	0.053
NE	9:00 AM	30 min Avg	-0.005	30 min Avg	0.017	0.040	0.050
NE	9:30 AM	30 min Avg	-0.001	30 min Avg	-0.001	0.036	0.046
E	10:00 AM	30 min Avg	-0.005	30 min Avg	0.007	0.040	0.050
ENE	10:30 AM	30 min Avg	-0.005	30 min Avg	0.000	0.040	0.050
ENE	11:00 AM	30 min Avg	-0.005	30 min Avg	0.000	0.040	0.050
ESE	11:30 AM	30 min Avg	0.006	30 min Avg	0.012	0.041	0.051
ESE	12:00 PM	30 min Avg	0.011	30 min Avg	-0.002	0.046	0.056
ESE	12:30 PM	30 min Avg	0.000	30 min Avg	-0.004	0.035	0.045
ESE	1:00 PM	30 min Avg	0.011	30 min Avg	0.021	0.046	0.056
ESE	1:30 PM	30 min Avg	0.000	30 min Avg	-0.002	0.035	0.045
ESE	2:00 PM	30 min Avg	0.003	30 min Avg	0.009	0.038	0.048
E	2:30 PM	30 min Avg	0.003	30 min Avg	0.010	0.038	0.048
ESE	3:00 PM	30 min Avg	0.012	30 min Avg	0.006	0.047	0.057
ESE	3:30 PM	30 min Avg	0.008	30 min Avg	0.008	0.043	0.053
ESE	4:00 PM	30 min Avg	0.005	30 min Avg	*	0.040	0.050
ESE	4:30 PM	30 min Avg	0.005	30 min Avg	0.006	0.040	0.050
ESE	5:00 PM	30 min Avg	0.002	30 min Avg	0.027	0.037	0.047
ESE	5:30 PM	30 min Avg	0.003	30 min Avg	0.007	0.038	0.048

Notes:

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: Green text readings indicate two separate power failures at E-Bam unit #1.

All work stopped until power was restored at E-Bam unit #1.

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

