

**Former ASARCO-Encycle Demolition  
Particulate Monitoring Summary  
Week Ending 7-9-11**

Date: 7/4/2011 Technician: Carl Jones

Prevailing Wind Direction	Time	Unit 2-Upwind Reading	Unit 1-Downwind Reading	Action Level	Stop Work
		30 min Avg	30 min Avg	0.035	0.045
		30 min Avg	30 min Avg	0.035	0.045
		30 min Avg	30 min Avg	0.035	0.045
		30 min Avg	30 min Avg	0.035	0.045
		30 min Avg	30 min Avg	0.035	0.045
		30 min Avg	30 min Avg	0.035	0.045
		30 min Avg	30 min Avg	0.035	0.045
		30 min Avg	30 min Avg	0.035	0.045
		30 min Avg	30 min Avg	0.035	0.045
		30 min Avg	30 min Avg	0.035	0.045
		30 min Avg	30 min Avg	0.035	0.045
		30 min Avg	30 min Avg	0.035	0.045
		30 min Avg	30 min Avg	0.035	0.045
		30 min Avg	30 min Avg	0.035	0.045
		30 min Avg	30 min Avg	0.035	0.045
		30 min Avg	30 min Avg	0.035	0.045
		30 min Avg	30 min Avg	0.035	0.045
		30 min Avg	30 min Avg	0.035	0.045
		30 min Avg	30 min Avg	0.035	0.045
		30 min Avg	30 min Avg	0.035	0.045
		30 min Avg	30 min Avg	0.035	0.045
		30 min Avg	30 min Avg	0.035	0.045
		30 min Avg	30 min Avg	0.035	0.045
		30 min Avg	30 min Avg	0.035	0.045
		30 min Avg	30 min Avg	0.035	0.045
		30 min Avg	30 min Avg	0.035	0.045
		30 min Avg	30 min Avg	0.035	0.045
		30 min Avg	30 min Avg	0.035	0.045
		30 min Avg	30 min Avg	0.035	0.045
		30 min Avg	30 min Avg	0.035	0.045
		30 min Avg	30 min Avg	0.035	0.045
		30 min Avg	30 min Avg	0.035	0.045
		30 min Avg	30 min Avg	0.035	0.045
		30 min Avg	30 min Avg	0.035	0.045
		30 min Avg	30 min Avg	0.035	0.045
		30 min Avg	30 min Avg	0.035	0.045
		30 min Avg	30 min Avg	0.035	0.045

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:* Site closed due to Holiday

**Former ASARCO-Encycle Demolition  
Particulate Monitoring Summary  
Week Ending 7-9-11**

Date: 7/5/2011 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	0.007	0.042	0.052
SE	7:00 AM	30 min Avg	0.044	0.079	0.089
SE	7:30 AM	30 min Avg	0.067	0.102	0.112
SE	8:00 AM	30 min Avg	-0.005	0.040	0.050
S	8:30 AM	30 min Avg	0.012	0.047	0.057
SE	9:00 AM	30 min Avg	0.000	0.035	0.045
SE	9:30 AM	30 min Avg	0.002	0.037	0.047
SSE	10:00 AM	30 min Avg	0.004	0.039	0.049
ESE	10:30 AM	30 min Avg	0.007	0.042	0.052
E	11:00 AM	30 min Avg	0.016	0.051	0.061
E	11:30 AM	30 min Avg	0.016	0.051	0.061
E	12:00 PM	30 min Avg	0.017	0.052	0.062
E	12:30 PM	30 min Avg	0.005	0.040	0.050
ESE	1:00 PM	30 min Avg	0.013	0.048	0.058
ESE	1:30 PM	30 min Avg	0.015	0.050	0.060
ESE	2:00 PM	30 min Avg	0.024	0.059	0.069
ESE	2:30 PM	30 min Avg	0.002	0.037	0.047
ESE	3:00 PM	30 min Avg	0.027	0.062	0.072
ESE	3:30 PM	30 min Avg	0.016	0.051	0.061
ESE	4:00 PM	30 min Avg	0.028	0.063	0.073
ESE	4:30 PM	30 min Avg	0.007	0.042	0.052
ESE	5:00 PM	30 min Avg	0.012	0.047	0.057
ESE	5:30 PM	30 min Avg	0.011	0.046	0.056

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: None

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 7-9-11**

Date: 7/6/2011 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	0.040	0.050
SSE	6:30 AM	30 min Avg	0.004	0.039	0.049
SSE	7:00 AM	30 min Avg	0.015	0.050	0.060
SSE	7:30 AM	30 min Avg	0.086	0.121	0.131
SSE	8:00 AM	30 min Avg	0.036	0.071	0.081
SSE	8:30 AM	30 min Avg	-0.005	0.040	0.050
S	9:00 AM	30 min Avg	-0.002	0.037	0.047
S	9:30 AM	30 min Avg	0.006	0.041	0.051
S	10:00 AM	30 min Avg	0.000	0.035	0.045
SSE	10:30 AM	30 min Avg	0.015	0.050	0.060
SSE	11:00 AM	30 min Avg	0.005	0.040	0.050
NE	11:30 AM	30 min Avg	0.028	0.063	0.073
NE	12:00 PM	30 min Avg	0.014	0.049	0.059
E	12:30 PM	30 min Avg	0.012	0.047	0.057
E	1:00 PM	30 min Avg	0.024	0.059	0.069
E	1:30 PM	30 min Avg	0.018	0.053	0.063
E	2:00 PM	30 min Avg	0.013	0.048	0.058
E	2:30 PM	30 min Avg	0.011	0.046	0.056
E	3:00 PM	30 min Avg	0.010	0.045	0.055
E	3:30 PM	30 min Avg	0.017	0.052	0.062
E	4:00 PM	30 min Avg	0.010	0.045	0.055
E	4:30 PM	30 min Avg	0.020	0.055	0.065
E	5:00 PM	30 min Avg	0.011	0.046	0.056
E	5:30 PM	30 min Avg	0.014	0.049	0.059

**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: None

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 7-9-11**

Date: 7/7/2011 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	30 min Avg	-0.005	0.040	0.050
SE	6:30 AM	30 min Avg	0.000	30 min Avg	0.069	0.035	0.045
SE	7:00 AM	30 min Avg	0.037	30 min Avg	0.064	0.072	0.082
SSE	7:30 AM	30 min Avg	0.035	30 min Avg	0.014	0.070	0.080
S	8:00 AM	30 min Avg	0.011	30 min Avg	0.000	0.046	0.056
S	8:30 AM	30 min Avg	0.013	30 min Avg	0.005	0.048	0.058
SSE	9:00 AM	30 min Avg	-0.004	30 min Avg	0.000	0.039	0.049
SSE	9:30 AM	30 min Avg	0.003	30 min Avg	-0.005	0.038	0.048
SSE	10:00 AM	30 min Avg	0.003	30 min Avg	-0.003	0.038	0.048
SSE	10:30 AM	30 min Avg	-0.002	30 min Avg	0.003	0.037	0.047
ESE	11:00 AM	30 min Avg	0.014	30 min Avg	0.015	0.049	0.059
NE	11:30 AM	30 min Avg	0.015	30 min Avg	0.023	0.050	0.060
ENE	12:00 PM	30 min Avg	0.005	30 min Avg	0.014	0.040	0.050
ENE	12:30 PM	30 min Avg	-0.001	30 min Avg	0.015	0.036	0.046
ENE	1:00 PM	30 min Avg	0.012	30 min Avg	-0.001	0.047	0.057
E	1:30 PM	30 min Avg	0.015	30 min Avg	0.009	0.050	0.060
E	2:00 PM	30 min Avg	0.019	30 min Avg	0.011	0.054	0.064
E	2:30 PM	30 min Avg	0.009	30 min Avg	0.012	0.044	0.054
E	3:00 PM	30 min Avg	0.017	30 min Avg	-0.002	0.052	0.062
E	3:30 PM	30 min Avg	0.003	30 min Avg	0.010	0.038	0.048
E	4:00 PM	30 min Avg	0.008	30 min Avg	0.014	0.043	0.053
ESE	4:30 PM	30 min Avg	0.008	30 min Avg	0.000	0.043	0.053
ESE	5:00 PM	30 min Avg	0.012	30 min Avg	0.009	0.047	0.057
ESE	5:30 PM	30 min Avg	0.007	30 min Avg	0.008	0.042	0.052

Notes:

All readings in mg/m<sup>3</sup>

Action level = upwind concentration + 0.035 mg/m<sup>3</sup>

Stop Work Level = upwind concentration + 0.045 mg/m<sup>3</sup>

Note time/duration of work stoppage: None

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 7-9-11**

Date: 7/8/2011 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	30 min Avg	0.012	0.040	0.040
SE	6:30 AM	30 min Avg	0.008	30 min Avg	0.062	0.043	0.053
SE	7:00 AM	30 min Avg	0.073	30 min Avg	0.038	0.108	0.118
S	7:30 AM	30 min Avg	-0.005	30 min Avg	0.024	0.040	0.050
S	8:00 AM	30 min Avg	0.066	30 min Avg	-0.005	0.101	0.111
S	8:30 AM	30 min Avg	-0.005	30 min Avg	0.003	0.040	0.050
S	9:00 AM	30 min Avg	0.003	30 min Avg	0.003	0.038	0.048
S	9:30 AM	30 min Avg	-0.002	30 min Avg	0.005	0.037	0.047
ESE	10:00 AM	30 min Avg	0.005	30 min Avg	-0.002	0.040	0.050
SE	10:30 AM	30 min Avg	0.001	30 min Avg	0.004	0.036	0.046
SE	11:00 AM	30 min Avg	0.008	30 min Avg	-0.002	0.043	0.053
SE	11:30 AM	30 min Avg	0.006	30 min Avg	0.006	0.041	0.051
SE	12:00 PM	30 min Avg	0.003	30 min Avg	0.006	0.038	0.048
SE	12:30 PM	30 min Avg	0.001	30 min Avg	-0.002	0.036	0.046
SE	1:00 PM	30 min Avg	0.010	30 min Avg	0.008	0.045	0.055
SE	1:30 PM	30 min Avg	0.007	30 min Avg	0.005	0.042	0.052
SE	2:00 PM	30 min Avg	0.012	30 min Avg	0.004	0.047	0.057
SE	2:30 PM	30 min Avg	0.011	30 min Avg	0.010	0.046	0.056
SE	3:00 PM	30 min Avg	0.006	30 min Avg	0.005	0.041	0.051
SE	3:30 PM	30 min Avg	0.009	30 min Avg	0.012	0.044	0.054
ESE	4:00 PM	30 min Avg	0.020	30 min Avg	0.005	0.055	0.065
ESE	4:30 PM	30 min Avg	0.004	30 min Avg	0.015	0.039	0.049
ESE	5:00 PM	30 min Avg	0.009	30 min Avg	0.007	0.044	0.054
ESE	5:30 PM	30 min Avg	0.008	30 min Avg	0.011	0.043	0.053

Notes:

All readings in mg/m<sup>3</sup>

Action level = upwind concentration + 0.035 mg/m<sup>3</sup>

Stop Work Level = upwind concentration + 0.045 mg/m<sup>3</sup>

*Note time/duration of work stoppage: None*

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 7-9-11**

Date: 7/9/2011 Technician: Carl Jones

**Prevailing Wind  
Direction**

<b>Time</b>	<b>Unit 2-Upwind Reading</b>	<b>Unit 1-Downwind Reading</b>	<b>Action Level</b>	<b>Stop Work</b>
	30 min Avg	30 min Avg	0.035	0.045
	30 min Avg	30 min Avg	0.035	0.045
	30 min Avg	30 min Avg	0.035	0.045
	30 min Avg	30 min Avg	0.035	0.045
	30 min Avg	30 min Avg	0.035	0.045
	30 min Avg	30 min Avg	0.035	0.045
	30 min Avg	30 min Avg	0.035	0.045
	30 min Avg	30 min Avg	0.035	0.045
	30 min Avg	30 min Avg	0.035	0.045
	30 min Avg	30 min Avg	0.035	0.045
	30 min Avg	30 min Avg	0.035	0.045
	30 min Avg	30 min Avg	0.035	0.045
	30 min Avg	30 min Avg	0.035	0.045
	30 min Avg	30 min Avg	0.035	0.045
	30 min Avg	30 min Avg	0.035	0.045
	30 min Avg	30 min Avg	0.035	0.045
	30 min Avg	30 min Avg	0.035	0.045
	30 min Avg	30 min Avg	0.035	0.045
	30 min Avg	30 min Avg	0.035	0.045
	30 min Avg	30 min Avg	0.035	0.045

**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: Site shut down for weekend - Performed Calibration Audit on E-Bam unit # J3129

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