

**Former ASARCO-Encycle Demolition
Particulate Monitoring Summary
Week Ending 7-30-11**

Date: 7/25/2011 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	0.008	30 min Avg	0.083	0.043	0.053
SE	7:00 AM	30 min Avg	0.056	30 min Avg	0.073	0.091	0.101
SE	7:30 AM	30 min Avg	0.011	30 min Avg	0.051	0.046	0.056
SSE	8:00 AM	30 min Avg	0.069	30 min Avg	0.070	0.104	0.114
SSE	8:30 AM	30 min Avg	0.051	30 min Avg	0.082	0.086	0.096
SSE	9:00 AM	30 min Avg	0.025	30 min Avg	0.043	0.060	0.070
S	9:30 AM	30 min Avg	0.007	30 min Avg	0.011	0.042	0.052
SSE	10:00 AM	30 min Avg	-0.003	30 min Avg	-0.005	0.038	0.048
S	10:30 AM	30 min Avg	0.007	30 min Avg	-0.002	0.042	0.052
S	11:00 AM	30 min Avg	0.005	30 min Avg	0.006	0.040	0.050
S	11:30 AM	30 min Avg	0.010	30 min Avg	0.007	0.045	0.055
S	12:00 PM	30 min Avg	0.010	30 min Avg	0.002	0.045	0.055
SSE	12:30 PM	30 min Avg	0.006	30 min Avg	0.006	0.041	0.051
SE	1:00 PM	30 min Avg	0.030	30 min Avg	0.015	0.065	0.075
SE	1:30 PM	30 min Avg	0.013	30 min Avg	0.012	0.048	0.058
SE	2:00 PM	30 min Avg	0.020	30 min Avg	0.017	0.055	0.065
SE	2:30 PM	30 min Avg	0.012	30 min Avg	0.011	0.047	0.057
SE	3:00 PM	30 min Avg	0.014	30 min Avg	0.010	0.049	0.059
SE	3:30 PM	30 min Avg	0.012	30 min Avg	0.015	0.047	0.057
SE	4:00 PM	30 min Avg	0.016	30 min Avg	0.010	0.051	0.061
SE	4:30 PM	30 min Avg	0.022	30 min Avg	0.011	0.057	0.067
SE	5:00 PM	30 min Avg	0.005	30 min Avg	0.014	0.040	0.050
SE	5:30 PM	30 min Avg	0.016	30 min Avg	0.017	0.051	0.061

Notes:

All readings in mg/m³

Action Levels for wind with a non-northerly component (Implement July 11 through July 25, 2011):

Action level = upwind concentration + 0.035 mg/m³

Stop Work Level = upwind concentration + 0.045 mg/m³

Note time/duration of work stoppage: The particulate concentration readings at 7:30 AM correlate to E-Bam warmup data collected between 7:00 AM and 7:30 AM. All water trucks had initiated dust suppression at 7:15 AM, immediately following the site safety meeting.

Action Levels for wind with a northerly component (Implement July 11 through July 25, 2011):

Action level = upwind concentration + 0.019 mg/m³

Stop Work Level = upwind concentration + 0.024 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 7-30-11**

Date: 7/26/2011 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	-0.005	0.040	0.050
S	6:30 AM	30 min Avg	0.007	0.042	0.052
S	7:00 AM	30 min Avg	0.058	0.093	0.103
S	7:30 AM	30 min Avg	0.003	0.038	0.048
SSE	8:00 AM	30 min Avg	0.049	0.084	0.094
SSE	8:30 AM	30 min Avg	-0.001	0.036	0.046
SSE	9:00 AM	30 min Avg	0.006	0.041	0.051
SSE	9:30 AM	30 min Avg	-0.004	0.039	0.049
SSE	10:00 AM	30 min Avg	-0.005	0.040	0.050
SSE	10:30 AM	30 min Avg	-0.002	0.037	0.047
S	11:00 AM	30 min Avg	0.010	0.045	0.055
SE	11:30 AM	30 min Avg	0.009	0.044	0.054
SE	12:00 PM	30 min Avg	-0.003	0.038	0.048
SE	12:30 PM	30 min Avg	0.005	0.040	0.050
SE	1:00 PM	30 min Avg	0.017	0.052	0.062
ESE	1:30 PM	30 min Avg	0.009	0.044	0.054
ESE	2:00 PM	30 min Avg	0.006	0.041	0.051
SE	2:30 PM	30 min Avg	0.004	0.039	0.049
SE	3:00 PM	30 min Avg	0.017	0.052	0.062
SE	3:30 PM	30 min Avg	0.011	0.046	0.056
SE	4:00 PM	30 min Avg	0.007	0.042	0.052
SE	4:30 PM	30 min Avg	0.013	0.048	0.058
SE	5:00 PM	30 min Avg	0.003	0.038	0.048
SE	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 7-30-11**

Date: 7/27/2011 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	0.005	0.040	0.050
SE	7:00 AM	30 min Avg	0.051	0.086	0.096
SE	7:30 AM	30 min Avg	0.040	0.075	0.085
SSE	8:00 AM	30 min Avg	0.022	0.057	0.067
SSE	8:30 AM	30 min Avg	-0.005	0.040	0.050
SSE	9:00 AM	30 min Avg	-0.002	0.037	0.047
SSE	9:30 AM	30 min Avg	0.001	0.036	0.046
SSE	10:00 AM	30 min Avg	0.002	0.037	0.047
SSE	10:30 AM	30 min Avg	-0.001	0.036	0.046
SSE	11:00 AM	30 min Avg	-0.001	0.036	0.046
SSE	11:30 AM	30 min Avg	0.003	0.038	0.048
SSE	12:00 PM	30 min Avg	0.004	0.039	0.049
SSE	12:30 PM	30 min Avg	0.016	0.051	0.061
SE	1:00 PM	30 min Avg	0.006	0.041	0.051
SE	1:30 PM	30 min Avg	0.002	0.037	0.047
SE	2:00 PM	30 min Avg	0.005	0.040	0.050
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	0.005	0.040	0.050
SE	4:00 PM	30 min Avg	0.011	0.046	0.056
SE	4:30 PM	30 min Avg	0.003	0.038	0.048
SE	5:00 PM	30 min Avg	0.010	0.045	0.055
SE	5:30 PM	30 min Avg	0.008	0.043	0.053

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 7-30-11**

Date: 7/28/2011 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	-0.003	30 min Avg	0.025	0.038	0.048
SSE	7:00 AM	30 min Avg	0.050	30 min Avg	0.046	0.085	0.095
S	7:30 AM	30 min Avg	0.020	30 min Avg	0.037	0.055	0.065
S	8:00 AM	30 min Avg	0.026	30 min Avg	0.000	0.061	0.071
S	8:30 AM	30 min Avg	-0.001	30 min Avg	0.009	0.036	0.046
S	9:00 AM	30 min Avg	-0.005	30 min Avg	0.014	0.040	0.050
S	9:30 AM	30 min Avg	-0.001	30 min Avg	-0.002	0.036	0.046
SSE	10:00 AM	30 min Avg	0.000	30 min Avg	0.010	0.035	0.045
SE	10:30 AM	30 min Avg	0.000	30 min Avg	-0.003	0.035	0.045
SE	11:00 AM	30 min Avg	0.007	30 min Avg	-0.001	0.042	0.052
SE	11:30 AM	30 min Avg	0.003	30 min Avg	0.007	0.038	0.048
SE	12:00 PM	30 min Avg	0.010	30 min Avg	0.005	0.045	0.055
SE	12:30 PM	30 min Avg	0.000	30 min Avg	-0.005	0.035	0.045
SE	1:00 PM	30 min Avg	0.007	30 min Avg	0.002	0.042	0.052
SE	1:30 PM	30 min Avg	0.007	30 min Avg	0.009	0.042	0.052
SE	2:00 PM	30 min Avg	0.011	30 min Avg	0.007	0.046	0.056
SE	2:30 PM	30 min Avg	-0.001	30 min Avg	0.001	0.036	0.046
SE	3:00 PM	30 min Avg	0.014	30 min Avg	0.009	0.049	0.059
ESE	3:30 PM	30 min Avg	0.011	30 min Avg	0.003	0.046	0.056
ESE	4:00 PM	30 min Avg	0.004	30 min Avg	0.012	0.039	0.049
ESE	4:30 PM	30 min Avg	0.015	30 min Avg	0.006	0.050	0.060
ESE	5:00 PM	30 min Avg	0.006	30 min Avg	0.010	0.041	0.051
ESE	5:30 PM	30 min Avg	0.009	30 min Avg	0.006	0.044	0.054

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 7-30-11**

Date: 7/29/2011 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	-0.005	30 min Avg	-0.005	0.040	0.040
NE	6:30 AM	30 min Avg	0.006	30 min Avg	0.070	0.041	0.051
NE	7:00 AM	30 min Avg	0.098	30 min Avg	0.021	0.133	0.143
NE	7:30 AM	30 min Avg	0.006	30 min Avg	0.028	0.041	0.051
ENE	8:00 AM	30 min Avg	0.010	30 min Avg	0.015	0.045	0.055
NE	8:30 AM	30 min Avg	-0.005	30 min Avg	0.025	0.040	0.050
NE	9:00 AM	30 min Avg	0.003	30 min Avg	0.011	0.038	0.048
ENE	9:30 AM	30 min Avg	-0.005	30 min Avg	0.014	0.040	0.050
ENE	10:00 AM	30 min Avg	0.002	30 min Avg	0.007	0.037	0.047
ENE	10:30 AM	30 min Avg	0.004	30 min Avg	0.015	0.039	0.049
ENE	11:00 AM	30 min Avg	-0.004	30 min Avg	-0.005	0.039	0.049
ENE	11:30 AM	30 min Avg	0.021	30 min Avg	-0.001	0.056	0.066
ENE	12:00 PM	30 min Avg	0.004	30 min Avg	0.011	0.039	0.049
ENE	12:30 PM	30 min Avg	0.000	30 min Avg	0.013	0.035	0.045
ENE	1:00 PM	30 min Avg	0.014	30 min Avg	0.009	0.049	0.059
ENE	1:30 PM	30 min Avg	0.008	30 min Avg	0.010	0.043	0.053
E	2:00 PM	30 min Avg	0.006	30 min Avg	0.001	0.041	0.051
E	2:30 PM	30 min Avg	0.023	30 min Avg	0.019	0.058	0.068
E	3:00 PM	30 min Avg	0.003	30 min Avg	0.000	0.038	0.048
E	3:30 PM	30 min Avg	0.006	30 min Avg	0.009	0.041	0.051

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: All work stopped at 3:15 PM to prepare for tropical storm conditions.

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 7-30-11

Date: 7/30/2011 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

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: No work at site due to potential for inbound tropical storm
