

**Former ASARCO-Encycle Demolition
Particulate Monitoring Summary
Week Ending 7-23-11**

Date: 7/18/2011 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	0.007	30 min Avg	0.035	0.042	0.052
SSE	7:00 AM	30 min Avg	0.057	30 min Avg	0.066	0.092	0.102
SSE	7:30 AM	30 min Avg	-0.005	30 min Avg	-0.005	0.040	0.050
S	8:00 AM	30 min Avg	0.039	30 min Avg	0.044	0.074	0.084
S	8:30 AM	30 min Avg	0.017	30 min Avg	0.002	0.052	0.062
S	9:00 AM	30 min Avg	0.012	30 min Avg	0.022	0.047	0.057
S	9:30 AM	30 min Avg	-0.005	30 min Avg	-0.005	0.040	0.050
S	10:00 AM	30 min Avg	-0.005	30 min Avg	0.005	0.040	0.050
S	10:30 AM	30 min Avg	-0.005	30 min Avg	-0.001	0.040	0.050
S	11:00 AM	30 min Avg	-0.003	30 min Avg	0.001	0.038	0.048
SSE	11:30 AM	30 min Avg	0.008	30 min Avg	0.003	0.043	0.053
ENE	12:00 PM	30 min Avg	0.011	30 min Avg	0.008	0.030	0.035
ENE	12:30 PM	30 min Avg	-0.005	30 min Avg	0.017	0.024	0.029
ENE	1:00 PM	30 min Avg	0.009	30 min Avg	-0.001	0.028	0.033
ENE	1:30 PM	30 min Avg	0.012	30 min Avg	0.011	0.031	0.036
ENE	2:00 PM	30 min Avg	0.006	30 min Avg	0.004	0.025	0.030
ENE	2:30 PM	30 min Avg	0.013	30 min Avg	0.005	0.032	0.037
ENE	3:00 PM	30 min Avg	0.004	30 min Avg	-0.001	0.023	0.028
ENE	3:30 PM	30 min Avg	0.009	30 min Avg	0.012	0.028	0.033
ESE	4:00 PM	30 min Avg	0.013	30 min Avg	0.007	0.048	0.058
ESE	4:30 PM	30 min Avg	0.005	30 min Avg	0.001	0.040	0.050
ESE	5:00 PM	30 min Avg	0.001	30 min Avg	0.012	0.036	0.046
ESE	5:30 PM	30 min Avg	0.010	30 min Avg	0.014	0.045	0.055

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:

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: 11:50 a.m.-Wind direction observed to have a Northerly component; Action and Stop work levels adjusted downward and all demo, abatement and hazardous waste removal was shut down for the remainder of the day.

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 7-23-11**

Date: 7/19/2011 Technician: Carl Jones/Bo Armes

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	30 min Avg	-0.005	0.040	0.050
S	6:30 AM	30 min Avg	0.033	30 min Avg	0.049	0.068	0.078
S	7:00 AM	30 min Avg	0.013	30 min Avg	0.032	0.048	0.058
S	7:30 AM	30 min Avg	0.047	30 min Avg	0.000	0.082	0.092
S	8:00 AM	30 min Avg	0.023	30 min Avg	0.034	0.058	0.068
SSE	8:30 AM	30 min Avg	0.000	30 min Avg	0.012	0.035	0.045
SSE	9:00 AM	30 min Avg	0.004	30 min Avg	0.008	0.039	0.049
S	9:30 AM	30 min Avg	-0.005	30 min Avg	0.018	0.040	0.050
S	10:00 AM	30 min Avg	-0.001	30 min Avg	-0.002	0.036	0.046
S	10:30 AM	30 min Avg	-0.005	30 min Avg	-0.005	0.040	0.050
S	11:00 AM	30 min Avg	0.006	30 min Avg	0.013	0.041	0.051
SSE	11:30 AM	30 min Avg	-0.002	30 min Avg	-0.001	0.037	0.047
SSE	12:00 PM	30 min Avg	0.001	30 min Avg	0.000	0.036	0.046
SSE	12:30 PM	30 min Avg	0.013	30 min Avg	0.007	0.048	0.058
ESE	1:00 PM	30 min Avg	0.014	30 min Avg	0.020	0.049	0.059
E	1:30 PM	30 min Avg	0.009	30 min Avg	-0.001	0.044	0.054
E	2:00 PM	30 min Avg	0.007	30 min Avg	0.022	0.042	0.052
ENE	2:30 PM	30 min Avg	0.022	30 min Avg	0.008	0.041	0.046
NNE	3:00 PM	30 min Avg	0.005	30 min Avg	0.008	0.024	0.029
E	3:30 PM	30 min Avg	0.010	30 min Avg	-0.001	0.029	0.034
ENE	4:00 PM	30 min Avg	0.006	30 min Avg	0.010	0.025	0.030
E	4:30 PM	30 min Avg	0.010	30 min Avg	0.008	0.029	0.034
E	5:00 PM	30 min Avg	0.013	30 min Avg	0.014	0.032	0.037

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:

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: 2:30 p.m.-Wind direction observed to have a Northerly component; Action and Stop work levels adjusted downward accordingly; 3:00 p.m. all demo, abatement and hazardous waste removal was shut down for the remainder of the day, due to sustained Northerly wind.

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 7-23-11**

Date: 7/20/2011 Technician: Caitlin Cagle

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			
	6:30 AM	30 min Avg	-0.005	30 min Avg	-0.005	
	7:00 AM	30 min Avg	0.008	30 min Avg	0.041	
SE	7:30 AM	30 min Avg	0.100	30 min Avg	0.086	0.135
SE	8:00 AM	30 min Avg	0.043	30 min Avg	0.020	0.078
SE	8:30 AM	30 min Avg	0.003	30 min Avg	0.030	0.038
SE	9:00 AM	30 min Avg	0.011	30 min Avg	0.026	0.046
SE	9:30 AM	30 min Avg	0.018	30 min Avg	0.016	0.053
SE	10:00 AM	30 min Avg	0.014	30 min Avg	0.015	0.049
SE	10:30 AM	30 min Avg	0.017	30 min Avg	0.014	0.052
SE	11:00 AM	30 min Avg	0.008	30 min Avg	0.019	0.043
SE	11:30 AM	30 min Avg	0.014	30 min Avg	0.015	0.049
SE	12:00 PM	30 min Avg	0.023	30 min Avg	0.023	0.058
SE	12:30 PM	30 min Avg	0.029	30 min Avg	0.007	0.064
SE	1:00 PM	30 min Avg	0.022	30 min Avg	0.031	0.057
SE	1:30 PM	30 min Avg	0.030	30 min Avg	0.025	0.065
SE	2:00 PM	30 min Avg	0.028	30 min Avg	0.020	0.063
SE	2:30 PM	30 min Avg	0.019	30 min Avg	0.024	0.054
SE	3:00 PM	30 min Avg	0.018	30 min Avg	0.016	0.053
ESE	3:30 PM	30 min Avg	0.028	30 min Avg	0.024	0.063
SE	4:00 PM	30 min Avg	0.018	30 min Avg	0.015	0.053
SE	4:30 PM	30 min Avg	0.027	30 min Avg	0.024	0.062
SE	5:00 PM	30 min Avg	0.022	30 min Avg	0.024	0.057
SE	5:30 PM	30 min Avg	0.016	30 min Avg	0.018	0.051

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: None

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 7-23-11**

Date: 7/21/2011 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	0.006	30 min Avg	0.020	0.041	0.051
SSE	7:00 AM	30 min Avg	0.054	30 min Avg	0.000	0.089	0.099
SSE	7:30 AM	30 min Avg	0.032	30 min Avg	0.028	0.067	0.077
SSE	8:00 AM	30 min Avg	0.034	30 min Avg	0.022	0.069	0.079
SE	8:30 AM	30 min Avg	0.004	30 min Avg	0.015	0.039	0.049
SE	9:00 AM	30 min Avg	0.001	30 min Avg	0.020	0.036	0.046
SSE	9:30 AM	30 min Avg	0.016	30 min Avg	0.018	0.051	0.061
SSE	10:00 AM	30 min Avg	0.009	30 min Avg	0.024	0.044	0.054
SSE	10:30 AM	30 min Avg	0.015	30 min Avg	0.011	0.050	0.060
SE	11:00 AM	30 min Avg	0.009	30 min Avg	-0.003	0.044	0.054
SE	11:30 AM	30 min Avg	0.015	30 min Avg	0.017	0.050	0.060
SE	12:00 PM	30 min Avg	0.012	30 min Avg	0.013	0.047	0.057
SE	12:30 PM	30 min Avg	0.016	30 min Avg	0.006	0.051	0.061
SE	1:00 PM	30 min Avg	0.013	30 min Avg	0.004	0.048	0.058
SE	1:30 PM	30 min Avg	0.011	30 min Avg	0.026	0.046	0.056
SE	2:00 PM	30 min Avg	0.010	30 min Avg	0.005	0.045	0.055
SE	2:30 PM	30 min Avg	0.012	30 min Avg	0.008	0.047	0.057
SE	3:00 PM	30 min Avg	0.020	30 min Avg	0.008	0.055	0.065
SE	3:30 PM	30 min Avg	0.010	30 min Avg	0.017	0.045	0.055
SE	4:00 PM	30 min Avg	0.007	30 min Avg	0.011	0.042	0.052
SE	4:30 PM	30 min Avg	0.016	30 min Avg	0.003	0.051	0.061
SE	5:00 PM	30 min Avg	0.023	30 min Avg	0.018	0.058	0.068
SE	5:30 PM	30 min Avg	0.023	30 min Avg	0.018	0.058	0.068

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: None

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 7-23-11**

Date: 7/22/2011 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	0.040
SE	6:30 AM	30 min Avg	0.029	30 min Avg	0.030	0.064	0.074
SE	7:00 AM	30 min Avg	0.045	30 min Avg	0.039	0.080	0.090
SE	7:30 AM	30 min Avg	0.034	30 min Avg	0.044	0.069	0.079
SE	8:00 AM	30 min Avg	0.025	30 min Avg	0.018	0.060	0.070
SE	8:30 AM	30 min Avg	0.021	30 min Avg	0.018	0.056	0.066
SE	9:00 AM	30 min Avg	-0.005	30 min Avg	0.002	0.040	0.050
SE	9:30 AM	30 min Avg	-0.002	30 min Avg	0.010	0.037	0.047
SE	10:00 AM	30 min Avg	-0.005	30 min Avg	0.002	0.040	0.050
SE	10:30 AM	30 min Avg	0.003	30 min Avg	0.010	0.038	0.048
SE	11:00 AM	30 min Avg	0.000	30 min Avg	0.000	0.035	0.045
SE	11:30 AM	30 min Avg	0.006	30 min Avg	0.002	0.041	0.051
SE	12:00 PM	30 min Avg	0.017	30 min Avg	0.016	0.052	0.062
SE	12:30 PM	30 min Avg	0.006	30 min Avg	0.015	0.041	0.051
SE	1:00 PM	30 min Avg	0.019	30 min Avg	0.023	0.054	0.064
SE	1:30 PM	30 min Avg	0.024	30 min Avg	0.019	0.059	0.069
SE	2:00 PM	30 min Avg	0.023	30 min Avg	0.022	0.058	0.068
SE	2:30 PM	30 min Avg	0.018	30 min Avg	0.006	0.053	0.063
SE	3:00 PM	30 min Avg	0.009	30 min Avg	0.007	0.044	0.054
SE	3:30 PM	30 min Avg	0.005	30 min Avg	0.004	0.040	0.050
SE	4:00 PM	30 min Avg	0.012	30 min Avg	0.013	0.047	0.057
SE	4:30 PM	30 min Avg	0.010	30 min Avg	0.005	0.045	0.055
SE	5:00 PM	30 min Avg	0.004	30 min Avg	0.008	0.039	0.049
SE	5:30 PM	30 min Avg	0.013	30 min Avg	0.011	0.048	0.058

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: **None**

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: 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 7-23-11**

Date: 7/23/2011 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 0.015	30 min Avg 0.037	0.050	0.060
SE	7:00 AM	30 min Avg 0.056	30 min Avg 0.062	0.091	0.101
SE	7:30 AM	30 min Avg 0.036	30 min Avg 0.034	0.071	0.081
SE	8:00 AM	30 min Avg 0.044	30 min Avg 0.009	0.079	0.089
SE	8:30 AM	30 min Avg 0.025	30 min Avg 0.033	0.060	0.070
SE	9:00 AM	30 min Avg 0.015	30 min Avg 0.026	0.050	0.060
SE	9:30 AM	30 min Avg 0.004	30 min Avg 0.012	0.039	0.049
SE	10:00 AM	30 min Avg 0.003	30 min Avg 0.004	0.038	0.048
SE	10:30 AM	30 min Avg -0.001	30 min Avg 0.013	0.036	0.046
SE	11:00 AM	30 min Avg 0.006	30 min Avg 0.002	0.041	0.051
SE	11:30 AM	30 min Avg 0.009	30 min Avg 0.009	0.044	0.054
SE	12:00 PM	30 min Avg 0.010	30 min Avg 0.003	0.045	0.055
SE	12:30 PM	30 min Avg 0.011	30 min Avg 0.014	0.046	0.056
SE	1:00 PM	30 min Avg 0.015	30 min Avg 0.009	0.050	0.060
SE	1:30 PM	30 min Avg 0.007	30 min Avg 0.021	0.042	0.052
SE	2:00 PM	30 min Avg 0.009	30 min Avg 0.011	0.044	0.054
SE	2:30 PM	30 min Avg 0.016	30 min Avg 0.005	0.051	0.061
SE	3:00 PM	30 min Avg 0.010	30 min Avg 0.016	0.045	0.055

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: All work at site stopped for the weekend at 2:40 p.m.

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