Former ASARCO-Encycle Demolition
Particulate Monitoring Summary
Week Ending 9-3-11

Date: 8/29/2011 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	30 min Avg	-0.005	0.040	0.050
S	6:30 AM	30 min Avg	0.066	30 min Avg	0.081	0.101	0.111
S	7:00 AM	30 min Avg	0.007	30 min Avg	0.009	0.042	0.052
S	7:30 AM	30 min Avg	0.002	30 min Avg	0.012	0.037	0.047
S	8:00 AM	30 min Avg	0.027	30 min Avg	0.021	0.062	0.072
S	8:30 AM	30 min Avg	0.029	30 min Avg	0.007	0.064	0.074
S	9:00 AM	30 min Avg	-0.004	30 min Avg	0.013	0.039	0.049
S	9:30 AM	30 min Avg	-0.005	30 min Avg	0.007	0.040	0.050
S	10:00 AM	30 min Avg	-0.005	30 min Avg	-0.001	0.040	0.050
SE	10:30 AM	30 min Avg	0.007	30 min Avg	0.001	0.042	0.052
SE	11:00 AM	30 min Avg	0.000	30 min Avg	0.001	0.035	0.045
NE	11:30 AM	30 min Avg	0.018	30 min Avg	0.015	0.053	0.063
NE	12:00 PM	30 min Avg	0.012	30 min Avg	0.007	0.047	0.057
E	12:30 PM	30 min Avg	0.015	30 min Avg	0.027	0.050	0.060
E	1:00 PM	30 min Avg	0.017	30 min Avg	0.007	0.052	0.062
SE	1:30 PM	30 min Avg	0.008	30 min Avg	0.005	0.043	0.053
SE	2:00 PM	30 min Avg	0.015	30 min Avg	0.012	0.050	0.060
SE	2:30 PM	30 min Avg	0.012	30 min Avg	0.014	0.047	0.057
SE	3:00 PM	30 min Avg	0.009	30 min Avg	0.011	0.044	0.054
SE	3:30 PM	30 min Avg	0.010	30 min Avg	0.015	0.045	0.055
ESE	4:00 PM	30 min Avg	0.012	30 min Avg	0.009	0.047	0.057
ESE	4:30 PM	30 min Avg	0.011	30 min Avg	0.018	0.046	0.056
ESE	5:00 PM	30 min Avg	0.021	30 min Avg	0.009	0.056	0.066
ESE	5:30 PM	30 min Avg	0.005	30 min Avg	0.015	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: **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 9-3-11

Date: 8/30/2011 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	30 min Avg	-0.005	0.040	0.050
S	6:30 AM	30 min Avg	0.013	30 min Avg	0.051	0.048	0.058
S	7:00 AM	30 min Avg	0.057	30 min Avg	0.078	0.092	0.102
S	7:30 AM	30 min Avg	0.019	30 min Avg	0.018	0.054	0.064
S	8:00 AM	30 min Avg	-0.005	30 min Avg	-0.002	0.040	0.050
S	8:30 AM	30 min Avg	0.060	30 min Avg	0.018	0.095	0.105
SSE	9:00 AM	30 min Avg	0.003	30 min Avg	0.009	0.038	0.048
SE	9:30 AM	30 min Avg	-0.005	30 min Avg	0.004	0.040	0.050
SE	10:00 AM	30 min Avg	-0.005	30 min Avg	0.007	0.040	0.050
SE	10:30 AM	30 min Avg	0.004	30 min Avg	-0.001	0.039	0.049
ENE	11:00 AM	30 min Avg	0.037	30 min Avg	0.014	0.072	0.082
ESE	11:30 AM	30 min Avg	0.001	30 min Avg	0.028	0.036	0.046
ESE	12:00 PM	30 min Avg	0.007	30 min Avg	-0.005	0.042	0.052
ESE	12:30 PM	30 min Avg	0.002	30 min Avg	0.009	0.037	0.047
ESE	1:00 PM	30 min Avg	0.021	30 min Avg	0.017	0.056	0.066
ESE	1:30 PM	30 min Avg	0.022	30 min Avg	0.012	0.057	0.067
ESE	2:00 PM	30 min Avg	0.020	30 min Avg	0.027	0.055	0.065
ESE	2:30 PM	30 min Avg	0.022	30 min Avg	0.016	0.057	0.067
ESE	3:00 PM	30 min Avg	0.027	30 min Avg	0.028	0.062	0.072
ESE	3:30 PM	30 min Avg	0.027	30 min Avg	0.015	0.062	0.072
ESE	4:00 PM	30 min Avg	0.023	30 min Avg	0.026	0.058	0.068
ESE	4:30 PM	30 min Avg	0.036	30 min Avg	0.021	0.071	0.081
ESE	5:00 PM	30 min Avg	0.030	30 min Avg	0.020	0.065	0.075
ESE	5:30 PM	30 min Avg	0.026	30 min Avg	0.037	0.061	0.071

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 9-3-11

Date: **8/31/2011** 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	0.070	30 min Avg	0.078	0.105	0.115
SE	7:00 AM	30 min Avg	0.049	30 min Avg	0.044	0.084	0.094
SE	**7:30 AM**	**30 min Avg**	**0.007**	**30 min Avg**	**0.042**	**0.042**	**0.052**
ESE	8:00 AM	30 min Avg	0.058	30 min Avg	0.013	0.093	0.103
ESE	8:30 AM	30 min Avg	0.007	30 min Avg	0.019	0.042	0.052
SE	9:00 AM	30 min Avg	-0.005	30 min Avg	0.008	0.040	0.050
ESE	9:30 AM	30 min Avg	0.012	30 min Avg	0.018	0.047	0.057
ESE	10:00 AM	30 min Avg	-0.002	30 min Avg	0.001	0.037	0.047
ESE	10:30 AM	30 min Avg	0.012	30 min Avg	0.009	0.047	0.057
ESE	11:00 AM	30 min Avg	0.006	30 min Avg	0.012	0.041	0.051
ESE	11:30 AM	30 min Avg	0.005	30 min Avg	0.007	0.040	0.050
ESE	12:00 PM	30 min Avg	0.017	30 min Avg	0.009	0.052	0.062
ESE	12:30 PM	30 min Avg	0.008	30 min Avg	0.012	0.043	0.053
ESE	1:00 PM	30 min Avg	0.010	30 min Avg	0.015	0.045	0.055
ESE	1:30 PM	30 min Avg	0.017	30 min Avg	0.021	0.052	0.062
ESE	2:00 PM	30 min Avg	0.016	30 min Avg	-0.002	0.051	0.061
ESE	2:30 PM	30 min Avg	0.009	30 min Avg	0.016	0.044	0.054
ESE	3:00 PM	30 min Avg	0.008	30 min Avg	0.009	0.043	0.053
ESE	3:30 PM	30 min Avg	0.020	30 min Avg	0.006	0.055	0.065
ESE	4:00 PM	30 min Avg	0.008	30 min Avg	0.012	0.043	0.053
ESE	4:30 PM	30 min Avg	0.010	30 min Avg	0.011	0.045	0.055
ESE	5:00 PM	30 min Avg	0.011	30 min Avg	0.005	0.046	0.056
ESE	5:30 PM	30 min Avg	0.013	30 min Avg	0.016	0.048	0.058

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: 7:30 a.m. Action Level-The reading collected at 7:30 a.m. represents particulate concentrations averaged over the 30 minute period between 7:00 a.m. and 7:30 a.m., while site crews attended morning safety meeting. Dust suppression commenced at 7:15 a.m., and demolition, abatement and hazardous waste removal did not commence until 7:30 a.m.

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 9-3-11

Date: **9/1/2011** 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	30 min Avg	-0.005	0.040	0.050
S	6:30 AM	30 min Avg	0.027	30 min Avg	0.093	0.062	0.072
S	7:00 AM	30 min Avg	0.056	30 min Avg	0.018	0.091	0.101
N	7:30 AM	30 min Avg	0.002	30 min Avg	0.022	0.037	0.047
N	8:00 AM	30 min Avg	0.037	30 min Avg	0.033	0.072	0.082
N	8:30 AM	30 min Avg	0.029	30 min Avg	0.017	0.064	0.074
N	9:00 AM	30 min Avg	0.019	30 min Avg	0.019	0.054	0.064
N	9:30 AM	30 min Avg	-0.005	30 min Avg	0.013	0.040	0.050
NE	10:00 AM	30 min Avg	0.000	30 min Avg	0.007	0.035	0.045
NE	10:30 AM	30 min Avg	0.008	30 min Avg	0.000	0.043	0.053
NE	11:00 AM	30 min Avg	-0.005	30 min Avg	0.005	0.040	0.050
ENE	11:30 AM	30 min Avg	0.005	30 min Avg	-0.005	0.040	0.050
ENE	12:00 PM	30 min Avg	0.025	30 min Avg	0.024	0.060	0.070
ENE	12:30 PM	30 min Avg	0.020	30 min Avg	0.002	0.055	0.065
ENE	1:00 PM	30 min Avg	0.007	30 min Avg	0.007	0.042	0.052
ENE	1:30 PM	30 min Avg	-0.005	30 min Avg	0.004	0.040	0.050
ESE	2:00 PM	30 min Avg	0.011	30 min Avg	-0.001	0.046	0.056
ESE	2:30 PM	30 min Avg	0.008	30 min Avg	0.007	0.043	0.053
ESE	3:00 PM	30 min Avg	0.000	30 min Avg	0.008	0.035	0.045
ESE	3:30 PM	30 min Avg	0.000	30 min Avg	-0.001	0.035	0.045
ESE	4:00 PM	30 min Avg	0.004	30 min Avg	-0.003	0.039	0.049
ESE	4:30 PM	30 min Avg	0.001	30 min Avg	0.001	0.036	0.046
ESE	5:00 PM	30 min Avg	0.007	30 min Avg	0.004	0.042	0.052
ESE	5:30 PM	30 min Avg	0.001	30 min Avg	0.002	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: **None**

Former ASARCO-Encycle Demolition
Particulate Monitoring Summary
Week Ending 09-03-11

Date: 9/2/2011 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	-0.005	30 min Avg	-0.005	0.028	0.034
N	6:30 AM	30 min Avg	0.011	30 min Avg	0.077	0.034	0.040
N	7:00 AM	30 min Avg	0.080	30 min Avg	0.034	0.103	0.109
N	7:30 AM	30 min Avg	0.011	30 min Avg	0.019	0.034	0.040
N	8:00 AM	30 min Avg	0.008	30 min Avg	0.010	0.031	0.037
N	8:30 AM	30 min Avg	-0.005	30 min Avg	0.012	0.028	0.034
NE	9:00 AM	30 min Avg	-0.005	30 min Avg	0.002	0.028	0.034
NNE	9:30 AM	30 min Avg	-0.004	30 min Avg	0.003	0.027	0.033
ENE	10:00 AM	30 min Avg	-0.002	30 min Avg	0.005	0.025	0.031
ENE	10:30 AM	30 min Avg	0.006	30 min Avg	-0.004	0.029	0.035
ENE	11:00 AM	30 min Avg	0.006	30 min Avg	-0.005	0.029	0.035
ENE	11:30 AM	30 min Avg	0.013	30 min Avg	0.003	0.036	0.042
ENE	12:00 PM	30 min Avg	0.006	30 min Avg	-0.003	0.029	0.035
ENE	12:30 PM	30 min Avg	-0.003	30 min Avg	0.015	0.026	0.032
ENE	1:00 PM	30 min Avg	0.004	30 min Avg	0.002	0.027	0.033
ENE	1:30 PM	30 min Avg	0.004	30 min Avg	0.007	0.027	0.033
ESE	2:00 PM	30 min Avg	0.009	30 min Avg	0.012	0.044	0.054
ESE	2:30 PM	30 min Avg	0.003	30 min Avg	-0.001	0.038	0.048
ESE	3:00 PM	30 min Avg	0.010	30 min Avg	0.018	0.045	0.055
ESE	3:30 PM	30 min Avg	0.015	30 min Avg	0.000	0.050	0.060
ESE	4:00 PM	30 min Avg	0.004	30 min Avg	0.015	0.039	0.049

Notes:
All readings in mg/m3
Action Levels for wind without a northerly component (Implement Sept. 2 thru Sept. 16):
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 Sept. 2 thru Sept. 16):
Action level = upwind concentration + 0.023 mg/m3
Stop Work Level = upwind concentration + 0.029 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 9-3-11

Date: **9/3/2011** 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

Notes:
All readings in mg/m3
Action Levels for wind <u>without</u> a northerly component (Implement Sept. 2 thru Sept. 16):
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 Labor Day Holiday weekend.

Action Levels for wind with a <u>northerly</u> component (Implement Sept. 2 thru Sept. 16):
Action level = upwind concentration + 0.023 mg/m3
Stop Work Level = upwind concentration + 0.029 mg/m3
Note time/duration of work stoppage: