Former ASARCO-Encycle Demolition
Particulate Monitoring Summary
Week Ending 8-27-11

Date: 8/22/2011 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	0.004	30 min Avg	0.056	0.039	0.049
S	7:00 AM	30 min Avg	0.054	30 min Avg	0.059	0.089	0.099
S	7:30 AM	30 min Avg	-0.002	30 min Avg	0.013	0.037	0.047
S	8:00 AM	30 min Avg	0.044	30 min Avg	0.003	0.079	0.089
S	8:30 AM	30 min Avg	0.016	30 min Avg	0.003	0.051	0.061
S	9:00 AM	30 min Avg	-0.004	30 min Avg	0.012	0.039	0.049
S	9:30 AM	30 min Avg	0.001	30 min Avg	0.008	0.036	0.046
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	-0.001	30 min Avg	-0.005	0.036	0.046
SE	11:00 AM	30 min Avg	-0.003	30 min Avg	-0.005	0.038	0.048
SE	11:30 AM	30 min Avg	0.020	30 min Avg	0.005	0.055	0.065
ESE	12:00 PM	30 min Avg	-0.001	30 min Avg	0.005	0.036	0.046
ESE	12:30 PM	30 min Avg	0.008	30 min Avg	0.005	0.043	0.053
ESE	1:00 PM	30 min Avg	0.009	30 min Avg	0.008	0.044	0.054
ESE	1:30 PM	30 min Avg	0.005	30 min Avg	0.008	0.040	0.050
ESE	2:00 PM	30 min Avg	0.015	30 min Avg	0.005	0.050	0.060
ESE	2:30 PM	30 min Avg	-0.005	30 min Avg	0.001	0.040	0.050
ESE	3:00 PM	30 min Avg	0.014	30 min Avg	0.006	0.049	0.059
ESE	3:30 PM	30 min Avg	0.009	30 min Avg	0.014	0.044	0.054
ESE	4:00 PM	30 min Avg	0.011	30 min Avg	0.002	0.046	0.056
ESE	4:30 PM	30 min Avg	0.012	30 min Avg	0.005	0.047	0.057
ESE	5:00 PM	30 min Avg	-0.001	30 min Avg	0.011	0.036	0.046
ESE	5:30 PM	30 min Avg	0.012	30 min Avg	0.006	0.047	0.057

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 8-27-11

Date: 8/23/2011 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	0.005	30 min Avg	0.065	0.040	0.050
S	7:00 AM	30 min Avg	0.059	30 min Avg	0.035	0.094	0.104
S	7:30 AM	30 min Avg	0.011	30 min Avg	0.015	0.046	0.056
S	8:00 AM	30 min Avg	0.024	30 min Avg	0.007	0.059	0.069
S	8:30 AM	30 min Avg	0.007	30 min Avg	-0.004	0.042	0.052
S	9:00 AM	30 min Avg	-0.005	30 min Avg	0.001	0.040	0.050
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	0.000	30 min Avg	-0.003	0.035	0.045
SSE	10:30 AM	30 min Avg	-0.005	30 min Avg	-0.005	0.040	0.050
ESE	11:00 AM	30 min Avg	-0.005	30 min Avg	-0.001	0.040	0.050
ESE	11:30 AM	30 min Avg	0.011	30 min Avg	0.000	0.046	0.056
ESE	12:00 PM	30 min Avg	0.011	30 min Avg	0.008	0.046	0.056
ESE	12:30 PM	30 min Avg	0.018	30 min Avg	0.014	0.053	0.063
ESE	1:00 PM	30 min Avg	0.005	30 min Avg	-0.002	0.040	0.050
ESE	1:30 PM	30 min Avg	0.000	30 min Avg	0.010	0.035	0.045
ESE	2:00 PM	30 min Avg	0.012	30 min Avg	0.006	0.047	0.057
ESE	2:30 PM	30 min Avg	0.005	30 min Avg	0.004	0.040	0.050
ESE	3:00 PM	30 min Avg	0.005	30 min Avg	0.000	0.040	0.050
ESE	3:30 PM	30 min Avg	0.011	30 min Avg	0.006	0.046	0.056
ESE	4:00 PM	30 min Avg	0.002	30 min Avg	0.003	0.037	0.047
ESE	4:30 PM	30 min Avg	0.010	30 min Avg	0.012	0.045	0.055
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	0.006	30 min Avg	0.005	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: **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 8-27-11

Date: **8/24/2011** 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	-0.005	30 min Avg	0.035	0.040	0.050
S	7:00 AM	30 min Avg	0.063	30 min Avg	0.058	0.098	0.108
S	7:30 AM	30 min Avg	0.004	30 min Avg	0.025	0.039	0.049
S	8:00 AM	30 min Avg	0.043	30 min Avg	-0.005	0.078	0.088
SSE	8:30 AM	30 min Avg	0.002	30 min Avg	0.011	0.037	0.047
S	9:00 AM	30 min Avg	-0.005	30 min Avg	0.004	0.040	0.050
S	9:30 AM	30 min Avg	-0.001	30 min Avg	0.002	0.036	0.046
S	10:00 AM	30 min Avg	-0.005	30 min Avg	0.000	0.040	0.050
S	10:30 AM	30 min Avg	0.010	30 min Avg	0.005	0.045	0.055
S	11:00 AM	30 min Avg	-0.005	30 min Avg	-0.001	0.040	0.050
SE	11:30 AM	30 min Avg	0.019	30 min Avg	-0.002	0.054	0.064
ESE	12:00 PM	30 min Avg	0.005	30 min Avg	0.009	0.040	0.050
ESE	12:30 PM	30 min Avg	0.011	30 min Avg	0.012	0.046	0.056
ESE	1:00 PM	30 min Avg	0.009	30 min Avg	0.007	0.044	0.054
ESE	1:30 PM	30 min Avg	0.008	30 min Avg	0.004	0.043	0.053
ESE	2:00 PM	30 min Avg	0.007	30 min Avg	0.005	0.042	0.052
ESE	2:30 PM	30 min Avg	0.016	30 min Avg	0.004	0.051	0.061
ESE	3:00 PM	30 min Avg	0.018	30 min Avg	0.004	0.053	0.063
ESE	3:30 PM	30 min Avg	-0.005	30 min Avg	0.009	0.040	0.050
ESE	4:00 PM	30 min Avg	0.012	30 min Avg	0.006	0.047	0.057
ESE	4:30 PM	30 min Avg	0.005	30 min Avg	0.004	0.040	0.050
ESE	5:00 PM	30 min Avg	0.002	30 min Avg	0.013	0.037	0.047
ESE	5:30 PM	30 min Avg	0.009	30 min Avg	0.004	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 8-27-11

Date: **8/25/2011** 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	0.029	30 min Avg	0.091	0.064	0.074
S	7:00 AM	30 min Avg	0.085	30 min Avg	0.022	0.120	0.130
S	7:30 AM	30 min Avg	0.018	30 min Avg	0.022	0.053	0.063
N	8:00 AM	30 min Avg	0.014	30 min Avg	0.005	0.049	0.059
NNE	8:30 AM	30 min Avg	-0.005	30 min Avg	0.001	0.040	0.050
NNE	9:00 AM	30 min Avg	0.003	30 min Avg	0.020	0.038	0.048
NNE	9:30 AM	30 min Avg	-0.005	30 min Avg	0.012	0.040	0.050
NNE	10:00 AM	30 min Avg	0.000	30 min Avg	0.013	0.035	0.045
NNE	10:30 AM	30 min Avg	0.001	30 min Avg	0.008	0.036	0.046
NNE	11:00 AM	30 min Avg	0.005	30 min Avg	0.009	0.040	0.050
ENE	11:30 AM	30 min Avg	0.003	30 min Avg	0.009	0.038	0.048
ENE	12:00 PM	30 min Avg	0.010	30 min Avg	0.005	0.045	0.055
ESE	12:30 PM	30 min Avg	-0.004	30 min Avg	-0.005	0.039	0.049
ENE	1:00 PM	30 min Avg	0.014	30 min Avg	0.002	0.049	0.059
ESE	1:30 PM	30 min Avg	0.014	30 min Avg	-0.002	0.049	0.059
ESE	2:00 PM	30 min Avg	-0.002	30 min Avg	0.014	0.037	0.047
ESE	2:30 PM	30 min Avg	0.009	30 min Avg	0.007	0.044	0.054
ESE	3:00 PM	30 min Avg	0.012	30 min Avg	0.011	0.047	0.057
ESE	3:30 PM	30 min Avg	0.011	30 min Avg	0.004	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: **All work stopped at 3:20 p.m. due to rapidly approaching thunderstorm with high northerly winds. Site shut down for the day at 4:00 pm.**

Former ASARCO-Encycle Demolition
Particulate Monitoring Summary
Week Ending 8-27-11

Date: **8/26/2011** Technician: Carl Jones

Prevailing Wind Direction	Time	Unit 2-Upwind Reading		Unit 1-Downwind Reading		Action Level	Stop Work
NNE	6:00 AM	30 min Avg	-0.005	30 min Avg	-0.005	0.040	0.040
NNE	6:30 AM	30 min Avg	0.009	30 min Avg	0.040	0.044	0.054
NNE	7:00 AM	30 min Avg	0.064	30 min Avg	0.070	0.099	0.109
NNE	7:30 AM	30 min Avg	-0.005	30 min Avg	-0.003	0.040	0.050
NNE	8:00 AM	30 min Avg	0.024	30 min Avg	0.043	0.059	0.069
NNE	8:30 AM	30 min Avg	0.051	30 min Avg	0.021	0.086	0.096
NNE	9:00 AM	30 min Avg	-0.005	30 min Avg	0.007	0.040	0.050
NNE	9:30 AM	30 min Avg	0.022	30 min Avg	0.012	0.057	0.067
NNE	10:00 AM	30 min Avg	0.001	30 min Avg	0.008	0.036	0.046
NNE	10:30 AM	30 min Avg	0.025	30 min Avg	0.022	0.060	0.070
ENE	11:00 AM	30 min Avg	-0.005	30 min Avg	-0.005	0.040	0.050
ESE	11:30 AM	30 min Avg	-0.004	30 min Avg	-0.005	0.039	0.049
SE	12:00 PM	30 min Avg	0.003	30 min Avg	0.003	0.038	0.048
ESE	12:30 PM	30 min Avg	0.013	30 min Avg	0.010	0.048	0.058
ESE	1:00 PM	30 min Avg	0.009	30 min Avg	0.013	0.044	0.054
ESE	1:30 PM	30 min Avg	0.018	30 min Avg	0.005	0.053	0.063
ESE	2:00 PM	30 min Avg	0.006	30 min Avg	0.019	0.041	0.051
ESE	2:30 PM	30 min Avg	0.017	30 min Avg	0.014	0.052	0.062
SE	3:00 PM	30 min Avg	0.013	30 min Avg	0.009	0.048	0.058
ESE	3:30 PM	30 min Avg	0.008	30 min Avg	0.018	0.043	0.053
ESE	4:00 PM	30 min Avg	0.014	30 min Avg	0.013	0.049	0.059
ESE	4:30 PM	30 min Avg	0.011	30 min Avg	0.010	0.046	0.056
ESE	5:00 PM	30 min Avg	0.013	30 min Avg	0.016	0.048	0.058
ESE	5:30 PM	30 min Avg	0.012	30 min Avg	0.018	0.047	0.057

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 8-27-11

Date: **8/27/2011** 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**	**0.040**
S	6:30 AM	30 min Avg	**-0.005**	30 min Avg	**0.028**	**0.040**	**0.050**
S	7:00 AM	30 min Avg	**0.009**	30 min Avg	**0.099**	**0.044**	**0.054**
N	7:30 AM	30 min Avg	0.020	30 min Avg	0.023	0.055	0.065
N	8:00 AM	30 min Avg	0.038	30 min Avg	0.008	0.073	0.083
N	8:30 AM	30 min Avg	0.008	30 min Avg	0.018	0.043	0.053
N	9:00 AM	30 min Avg	0.051	30 min Avg	0.009	0.086	0.096
N	9:30 AM	30 min Avg	0.013	30 min Avg	0.005	0.048	0.058
N	10:00 AM	30 min Avg	0.006	30 min Avg	0.015	0.041	0.051
N	10:30 AM	30 min Avg	-0.005	30 min Avg	0.007	0.040	0.050
N	11:00 AM	30 min Avg	-0.005	30 min Avg	-0.002	0.040	0.050
NNE	11:30 AM	30 min Avg	0.003	30 min Avg	-0.003	0.038	0.048
ENE	12:00 PM	30 min Avg	0.003	30 min Avg	0.002	0.038	0.048
ENE	12:30 PM	30 min Avg	0.012	30 min Avg	-0.003	0.047	0.057

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 12:15 p.m. and site shut down for weekend by 1:00 p.m.**