

**Former ASARCO-Encycle Demolition
Particulate Monitoring Data Summary Daily Report**

Date: 4/25/2011 Technician: Carl Jones

Prevailing Wind

Direction	Time	Upwind Reading	Downwind Reading	Action Level	Stop Work
SE	7:30 AM	30 min Avg 0.005	30 min Avg 0.019	0.040	0.050
SE	8:00 AM	30 min Avg 0.041	30 min Avg 0.031	0.076	0.086
SE	8:30 AM	30 min Avg 0.065	30 min Avg 0.068	0.100	0.110
SE	9:00 AM	30 min Avg 0.037	30 min Avg 0.032	0.072	0.082
SE	9:30 AM	30 min Avg 0.016	30 min Avg 0.025	0.051	0.061
SE	10:00 AM	30 min Avg 0.010	30 min Avg 0.007	0.045	0.055
SE	10:30 AM	30 min Avg 0.020	30 min Avg 0.026	0.055	0.065
SE	11:00 AM	30 min Avg 0.011	30 min Avg 0.007	0.046	0.056
SE	11:30 AM	30 min Avg 0.023	30 min Avg 0.022	0.058	0.068
SE	12:00 PM	30 min Avg 0.010	30 min Avg 0.008	0.045	0.055
SE	12:30 PM	30 min Avg 0.030	30 min Avg 0.034	0.065	0.075
SE	1:00 PM	30 min Avg 0.029	30 min Avg 0.016	0.064	0.074
SE	1:30 PM	30 min Avg 0.016	30 min Avg 0.037	0.051	0.061
SE	2:00 PM	30 min Avg 0.025	30 min Avg 0.019	0.060	0.070
SE	2:30 PM	30 min Avg 0.039	30 min Avg 0.037	0.074	0.084
SE	3:00 PM	30 min Avg 0.002	30 min Avg 0.001	0.037	0.047
SE	3:30 PM	30 min Avg 0.016	30 min Avg 0.025	0.051	0.061
SE	4:00 PM	30 min Avg 0.019	30 min Avg 0.005	0.054	0.064
SE	4:30 PM	30 min Avg 0.010	30 min Avg Alarm	0.045	0.055
SE	5:00 PM	30 min Avg	30 min Avg	0.035	0.045
SE	5:30 PM	30 min Avg	30 min Avg	0.035	0.045
	6:00 PM	30 min Avg	30 min Avg	0.035	0.045
	6:30 PM	30 min Avg	30 min Avg	0.035	0.045
	7:00 PM	30 min Avg	30 min Avg	0.035	0.045
	7:30 PM	30 min Avg	30 min Avg	0.035	0.045
	8:00 PM	30 min Avg	30 min Avg	0.035	0.045
	8:30 PM	30 min Avg	30 min Avg	0.035	0.045
	9:00 PM	30 min Avg	30 min Avg	0.035	0.045
	9:30 PM	30 min Avg	30 min Avg	0.035	0.045
	10:00 PM	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: **4:30 p.m. Flow failure alarm - Unit 1 (downwind) - Stopped demo and abatement**
for the day.

**Former ASARCO-Encycle Demolition
Particulate Monitoring Data Summary Daily Report**

Date: 4/26/2011 Technician: Carl Jones

Prevailing Wind

Direction	Time	Upwind Reading	Downwind Reading	Action Level	Stop Work
SE	7:30 AM	30 min Avg 0.012	30 min Avg 0.032	0.047	0.057
SE	8:00 AM	30 min Avg 0.093	30 min Avg 0.038	0.128	0.138
SE	8:30 AM	30 min Avg 0.028	30 min Avg 0.066	0.063	0.073
SE	9:00 AM	30 min Avg 0.021	30 min Avg 0.030	0.056	0.066
SE	9:30 AM	30 min Avg 0.047	30 min Avg 0.043	0.082	0.092
SE	10:00 AM	30 min Avg 0.022	30 min Avg 0.026	0.057	0.067
SE	10:30 AM	30 min Avg 0.038	30 min Avg 0.035	0.073	0.083
SE	11:00 AM	30 min Avg 0.029	30 min Avg 0.034	0.064	0.074
SE	11:30 AM	30 min Avg 0.019	30 min Avg 0.023	0.054	0.064
SE	12:00 PM	30 min Avg 0.032	30 min Avg 0.014	0.067	0.077
SE	12:30 PM	30 min Avg 0.037	30 min Avg 0.023	0.072	0.082
SE	1:00 PM	30 min Avg 0.026	30 min Avg 0.033	0.061	0.071
SE	1:30 PM	30 min Avg 0.042	30 min Avg 0.037	0.077	0.087
SE	2:00 PM	30 min Avg 0.040	30 min Avg 0.039	0.075	0.085
SE	2:30 PM	30 min Avg 0.019	30 min Avg 0.024	0.054	0.064
SE	3:00 PM	30 min Avg 0.023	30 min Avg 0.022	0.058	0.068
SE	3:30 PM	30 min Avg 0.029	30 min Avg 0.027	0.064	0.074
SE	4:00 PM	30 min Avg 0.026	30 min Avg 0.034	0.061	0.071
SE	4:30 PM	30 min Avg 0.022	30 min Avg 0.027	0.057	0.067
SE	5:00 PM	30 min Avg 0.022	30 min Avg 0.023	0.057	0.067
SE	5:30 PM	30 min Avg 0.033	30 min Avg 0.027	0.068	0.078

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: **8:30 a.m. - Site Action Level reached; Project Managers advised to implement additional dust suppression measures before continuing demo or abatement.**

**Former ASARCO-Encycle Demolition
Particulate Monitoring Data Summary Daily Report**

Date: 4/27/2011 Technician: Carl Jones

Prevailing Wind

Direction	Time	Upwind Reading	Downwind Reading	Action Level	Stop Work
NNW	7:30 AM	30 min Avg 0.002	30 min Avg 0.005	0.037	0.047
N	8:00 AM	30 min Avg 0.018	30 min Avg 0.029	0.053	0.063
N	8:30 AM	30 min Avg 0.066	30 min Avg 0.086	0.101	0.111
N	9:00 AM	30 min Avg 0.047	30 min Avg 0.040	0.082	0.092
N	9:30 AM	30 min Avg 0.024	30 min Avg 0.025	0.059	0.069
N	10:00 AM	30 min Avg 0.001	30 min Avg 0.003	0.036	0.046
N	10:30 AM	30 min Avg 0.002	30 min Avg 0.005	0.037	0.047
	11:00 AM	30 min Avg	30 min Avg	0.035	0.045
	11:30 AM	30 min Avg	30 min Avg	0.035	0.045
	12:00 PM	30 min Avg	30 min Avg	0.035	0.045
	12:30 PM	30 min Avg	30 min Avg	0.035	0.045
	1:00 PM	30 min Avg	30 min Avg	0.035	0.045
	1:30 PM	30 min Avg	30 min Avg	0.035	0.045
	2:00 PM	30 min Avg	30 min Avg	0.035	0.045
	2:30 PM	30 min Avg	30 min Avg	0.035	0.045
	3:00 PM	30 min Avg	30 min Avg	0.035	0.045
	3:30 PM	30 min Avg	30 min Avg	0.035	0.045
	4:00 PM	30 min Avg	30 min Avg	0.035	0.045
	4:30 PM	30 min Avg	30 min Avg	0.035	0.045
	5:00 PM	30 min Avg	30 min Avg	0.035	0.045
	5:30 PM	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: 10:10 - Winds out of North reached a constant 15 mph. Demo and Abatement was stopped along with Hazardous waste removal.

**Former ASARCO-Encycle Demolition
Particulate Monitoring Data Summary Daily Report**

Date: 4/28/2011 Technician: Carl Jones

Prevailing Wind

Direction	Time	Upwind Reading	Downwind Reading	Action Level	Stop Work
ENE	7:30 AM	30 min Avg		0.035	0.045
ENE	8:00 AM	30 min Avg		0.035	0.045
ENE	8:30 AM	30 min Avg		0.035	0.045
ENE	9:00 AM	30 min Avg		0.035	0.045
ENE	9:30 AM	30 min Avg		0.035	0.045
ENE	10:00 AM	30 min Avg		0.035	0.045
ENE	10:30 AM	30 min Avg		0.035	0.045
ENE	11:00 AM	30 min Avg	0.011	0.014	0.046
ENE	11:30 AM	30 min Avg	0.010	0.010	0.045
ENE	12:00 PM	30 min Avg	0.010	0.000	0.045
ENE	12:30 PM	30 min Avg	0.014	0.006	0.049
ENE	1:00 PM	30 min Avg	0.002	0.003	0.037
ENE	1:30 PM	30 min Avg	0.007	0.009	0.042
ENE	2:00 PM	30 min Avg	0.011	0.001	0.046
ENE	2:30 PM	30 min Avg	0.011	0.001	0.046
ENE	3:00 PM	30 min Avg	0.002	0.019	0.037
	3:30 PM	30 min Avg		0.035	0.045
	4:00 PM	30 min Avg		0.035	0.045
	4:30 PM	30 min Avg		0.035	0.045
	5:00 PM	30 min Avg		0.035	0.045
	5:30 PM	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 demo, abatement or hazardous waste removal started due to Northerly wind component. Wind was forecasted to change direction out of the SE at noon, however it remained out of the Northeast.

**Former ASARCO-Encycle Demolition
Particulate Monitoring Data Summary Daily Report**

Date: 4/29/2011 Technician: Carl Jones

Prevailing Wind

Direction	Time	Upwind Reading	Downwind Reading	Action Level	Stop Work
ESE	7:30 AM	30 min Avg 0.068	30 min Avg 0.051	0.103	0.113
S	8:00 AM	30 min Avg 0.004	30 min Avg 0.009	0.039	0.049
S	8:30 AM	30 min Avg 0.010	30 min Avg 0.011	0.045	0.055
SE	9:00 AM	30 min Avg 0.006	30 min Avg 0.004	0.041	0.051
SE	9:30 AM	30 min Avg 0.005	30 min Avg 0.003	0.040	0.050
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 0.011	30 min Avg 0.005	0.046	0.056
SE	11:00 AM	30 min Avg 0.004	30 min Avg 0.004	0.039	0.049
SE	11:30 AM	30 min Avg 0.005	30 min Avg 0.004	0.040	0.050
SE	12:00 PM	30 min Avg 0.012	30 min Avg 0.004	0.047	0.057
SE	12:30 PM	30 min Avg 0.013	30 min Avg 0.005	0.048	0.058
SE	1:00 PM	30 min Avg 0.011	30 min Avg 0.015	0.046	0.056
SE	1:30 PM	30 min Avg 0.003	30 min Avg 0.002	0.038	0.048
SE	2:00 PM	30 min Avg 0.010	30 min Avg 0.007	0.045	0.055
SE	2:30 PM	30 min Avg 0.003	30 min Avg 0.006	0.038	0.048
SE	3:00 PM	30 min Avg 0.009	30 min Avg 0.000	0.044	0.054
ESE	3:30 PM	30 min Avg 0.009	30 min Avg 0.009	0.044	0.054
ESE	4:00 PM	30 min Avg 0.001	30 min Avg 0.010	0.036	0.046
ESE	4:30 PM	30 min Avg 0.015	30 min Avg 0.009	0.050	0.060
SE	5:00 PM	30 min Avg 0.007	30 min Avg 0.006	0.042	0.052
SE	5:30 PM	30 min Avg 0.003	30 min Avg 0.016	0.038	0.048

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:

**Former ASARCO-Encycle Demolition
Particulate Monitoring Data Summary Daily Report**

Date: 4/30/2011 Technician: Carl Jones

Prevailing Wind

Direction	Time	Upwind Reading	Downwind Reading	Action Level	Stop Work
SE	7:30 AM	30 min Avg 0.075	30 min Avg 0.023	0.110	0.120
SE	8:00 AM	30 min Avg 0.063	30 min Avg 0.079	0.098	0.108
SE	8:30 AM	30 min Avg 0.027	30 min Avg 0.025	0.062	0.072
SE	9:00 AM	30 min Avg 0.026	30 min Avg 0.046	0.061	0.071
SE	9:30 AM	30 min Avg 0.014	30 min Avg 0.018	0.049	0.059
SE	10:00 AM	30 min Avg 0.026	30 min Avg 0.031	0.061	0.071
SE	10:30 AM	30 min Avg 0.012	30 min Avg 0.025	0.047	0.057
SE	11:00 AM	30 min Avg 0.029	30 min Avg 0.024	0.064	0.074
SE	11:30 AM	30 min Avg 0.025	30 min Avg 0.033	0.060	0.070
SE	12:00 PM	30 min Avg 0.010	30 min Avg 0.019	0.045	0.055
SE	12:30 PM	30 min Avg 0.024	30 min Avg 0.021	0.059	0.069
SE	1:00 PM	30 min Avg 0.046	30 min Avg 0.045	0.081	0.091
SE	1:30 PM	30 min Avg 0.021	30 min Avg 0.031	0.056	0.066
SE	2:00 PM	30 min Avg 0.024	30 min Avg 0.021	0.059	0.069
SE	2:30 PM	30 min Avg 0.027	30 min Avg 0.031	0.062	0.072
SE	3:00 PM	30 min Avg 0.021	30 min Avg 0.021	0.056	0.066
SE	3:30 PM	30 min Avg 0.026	30 min Avg 0.024	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:
