

**Former ASARCO-Encycle Demolition
Particulate Monitoring Summary
Week Ending 6-4-11**

Date: 5/30/2011 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		
		30 min Avg	30 min Avg		
		30 min Avg	30 min Avg		
		30 min Avg	30 min Avg		
		30 min Avg	30 min Avg		
		30 min Avg	30 min Avg		
		30 min Avg	30 min Avg		
		30 min Avg	30 min Avg		
		30 min Avg	30 min Avg		
		30 min Avg	30 min Avg		
		30 min Avg	30 min Avg		
		30 min Avg	30 min Avg		
		30 min Avg	30 min Avg		
		30 min Avg	30 min Avg		
		30 min Avg	30 min Avg		
		30 min Avg	30 min Avg		
		30 min Avg	30 min Avg		
		30 min Avg	30 min Avg		
		30 min Avg	30 min Avg		
		30 min Avg	30 min Avg		
		30 min Avg	30 min Avg		
		30 min Avg	30 min Avg		
		30 min Avg	30 min Avg		

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 workers on site due to Holiday/No monitoring performed

**Former ASARCO-Encycle Demolition
Particulate Monitoring Summary
Week Ending 6-4-11**

Date: 5/31/2011 Technician: Carl Jones

Prevailing Wind

Direction	Time	Unit 2-Upwind Reading	Unit 1-Downwind Reading	Action Level	Stop Work
SE	5:30 AM	30 min Avg	-0.005	0.040	0.050
SE	6:00 AM	30 min Avg	-0.005	0.040	0.050
SE	6:30 AM	30 min Avg	0.064	0.099	0.109
SE	7:00 AM	30 min Avg	0.056	0.091	0.101
SE	7:30 AM	30 min Avg	0.015	0.050	0.060
SE	8:00 AM	30 min Avg	0.026	0.061	0.071
SE	8:30 AM	30 min Avg	0.019	0.054	0.064
SE	9:00 AM	30 min Avg	0.002	0.037	0.047
SE	9:30 AM	30 min Avg	0.001	0.036	0.046
ESE	10:00 AM	30 min Avg	-0.002	0.037	0.047
ESE	10:30 AM	30 min Avg	0.000	0.035	0.045
ESE	11:00 AM	30 min Avg	0.005	0.040	0.050
ESE	11:30 AM	30 min Avg	-0.002	0.037	0.047
ESE	12:00 PM	30 min Avg	0.004	0.039	0.049
ESE	12:30 PM	30 min Avg	0.023	0.058	0.068
ESE	1:00 PM	30 min Avg	0.014	0.049	0.059
ESE	1:30 PM	30 min Avg	0.016	0.051	0.061
ESE	2:00 PM	30 min Avg	0.022	0.057	0.067
ESE	2:30 PM	30 min Avg	0.007	0.042	0.052
ESE	3:00 PM	30 min Avg	0.012	0.047	0.057
ESE	3:30 PM	30 min Avg	0.014	0.049	0.059
ESE	4:00 PM	30 min Avg	0.015	0.050	0.060
ESE	4:30 PM	30 min Avg	0.010	0.045	0.055
ESE	5:00 PM	30 min Avg	0.010	0.045	0.055
ESE	5:30 PM	30 min Avg	0.013	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:

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 6-4-11**

Date: 6/1/2011 Technician: Carl Jones

Prevailing Wind

Direction	Time	Unit 2-Upwind Reading	Unit 1-Downwind Reading	Action Level	Stop Work		
ESE	6:00 AM	30 min Avg	-0.005	30 min Avg	-0.005	0.040	0.050
ESE	6:30 AM	30 min Avg	0.004	30 min Avg	0.021	0.039	0.049
ESE	7:00 AM	30 min Avg	0.061	30 min Avg	0.049	0.096	0.106
ESE	7:30 AM	30 min Avg	0.020	30 min Avg	0.029	0.055	0.065
ESE	8:00 AM	30 min Avg	0.046	30 min Avg	0.024	0.081	0.091
ESE	8:30 AM	30 min Avg	-0.005	30 min Avg	-0.005	0.040	0.050
ESE	9:00 AM	30 min Avg	-0.005	30 min Avg	-0.005	0.040	0.050
ESE	9:30 AM	30 min Avg	0.004	30 min Avg	0.000	0.039	0.049
ESE	10:00 AM	30 min Avg	0.007	30 min Avg	0.013	0.042	0.052
ESE	10:30 AM	30 min Avg	0.001	30 min Avg	0.003	0.036	0.046
ESE	11:00 AM	30 min Avg	-0.003	30 min Avg	-0.005	0.038	0.048
ESE	11:30 AM	30 min Avg	0.009	30 min Avg	0.006	0.044	0.054
ESE	12:00 PM	30 min Avg	0.009	30 min Avg	0.013	0.044	0.054
ESE	12:30 PM	30 min Avg	-0.001	30 min Avg	-0.004	0.036	0.046
ESE	1:00 PM	30 min Avg	0.009	30 min Avg	0.000	0.044	0.054
ESE	1:30 PM	30 min Avg	0.005	30 min Avg	0.014	0.040	0.050
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	0.004	30 min Avg	0.006	0.039	0.049
ESE	3:00 PM	30 min Avg	-0.001	30 min Avg	0.004	0.036	0.046
ESE	3:30 PM	30 min Avg	0.009	30 min Avg	0.005	0.044	0.054
ESE	4:00 PM	30 min Avg	0.012	30 min Avg	0.005	0.047	0.057
ESE	4:30 PM	30 min Avg	0.001	30 min Avg	0.012	0.036	0.046
ESE	5:00 PM	30 min Avg	0.012	30 min Avg	0.004	0.047	0.057
ESE	5:30 PM	30 min Avg	0.007	30 min Avg	0.011	0.042	0.052

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:

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 6-4-11**

Date: 6/2/2011 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	0.002	30 min Avg	0.025	0.037	0.047
SE	7:00 AM	30 min Avg	0.052	30 min Avg	0.028	0.087	0.097
SE	7:30 AM	30 min Avg	0.000	30 min Avg	0.059	0.035	0.045
SSE	8:00 AM	30 min Avg	0.038	30 min Avg	0.001	0.073	0.083
SSE	8:30 AM	30 min Avg	0.008	30 min Avg	0.003	0.043	0.053
SSE	9:00 AM	30 min Avg	0.004	30 min Avg	0.007	0.039	0.049
SSE	9:30 AM	30 min Avg	0.009	30 min Avg	0.004	0.044	0.054
SSE	10:00 AM	30 min Avg	-0.001	30 min Avg	0.013	0.036	0.046
SSE	10:30 AM	30 min Avg	0.008	30 min Avg	0.002	0.043	0.053
ESE	11:00 AM	30 min Avg	-0.001	30 min Avg	-0.001	0.036	0.046
ESE	11:30 AM	30 min Avg	0.000	30 min Avg	0.007	0.035	0.045
ESE	12:00 PM	30 min Avg	0.004	30 min Avg	0.018	0.039	0.049
ESE	12:30 PM	30 min Avg	0.023	30 min Avg	0.017	0.058	0.068
ESE	1:00 PM	30 min Avg	0.002	30 min Avg	0.010	0.037	0.047
ESE	1:30 PM	30 min Avg	0.010	30 min Avg	0.011	0.045	0.055
ESE	2:00 PM	30 min Avg	0.014	30 min Avg	0.007	0.049	0.059
ESE	2:30 PM	30 min Avg	0.004	30 min Avg	-0.002	0.039	0.049
ESE	3:00 PM	30 min Avg	0.005	30 min Avg	0.010	0.040	0.050
ESE	3:30 PM	30 min Avg	0.020	30 min Avg	0.005	0.055	0.065
ESE	4:00 PM	30 min Avg	0.004	30 min Avg	-0.005	0.039	0.049
ESE	4:30 PM	30 min Avg	0.010	30 min Avg	0.015	0.045	0.055
ESE	5:00 PM	30 min Avg	0.004	30 min Avg	0.010	0.039	0.049
ESE	5:30 PM	30 min Avg	0.005	30 min Avg	0.008	0.040	0.050
ESE	6:00 PM	30 min Avg	0.009	30 min Avg	0.020	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: The data reading taken at 7:30 am is the average particulate matter concentration collected over the 30-minute period between 7:00 am and 7:30 am, while site personnel attended pre-work safety meeting. No demo, abatement or hazardous waste removal had begun. Monitoring continued through 6:00 pm in order to allow demo crew to complete dismantling of silo on North side of plant. The task was completed at 5:50 pm.

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 6-4-11**

Date: 6/3/2011 Technician: Carl Jones

Prevailing Wind

Direction	Time	Unit 2-Upwind Reading	Unit 1-Downwind Reading	Action Level	Stop Work		
E	6:00 AM	30 min Avg	-0.005	30 min Avg	-0.005	0.040	0.050
E	6:30 AM	30 min Avg	0.001	30 min Avg	0.016	0.036	0.046
E	7:00 AM	30 min Avg	0.075	30 min Avg	0.070	0.110	0.120
ESE	7:30 AM	30 min Avg	0.025	30 min Avg	0.010	0.060	0.070
ESE	8:00 AM	30 min Avg	0.008	30 min Avg	-0.003	0.043	0.053
ESE	8:30 AM	30 min Avg	-0.005	30 min Avg	0.009	0.040	0.050
ESE	9:00 AM	30 min Avg	0.008	30 min Avg	-0.001	0.043	0.053
ESE	9:30 AM	30 min Avg	0.001	30 min Avg	0.011	0.036	0.046
ESE	10:00 AM	30 min Avg	-0.001	30 min Avg	0.006	0.036	0.046
ESE	10:30 AM	30 min Avg	0.004	30 min Avg	-0.005	0.039	0.049
ESE	11:00 AM	30 min Avg	0.007	30 min Avg	0.013	0.042	0.052
ESE	11:30 AM	30 min Avg	0.013	30 min Avg	0.011	0.048	0.058
ESE	12:00 PM	30 min Avg	0.006	30 min Avg	0.007	0.041	0.051
ESE	12:30 PM	30 min Avg	0.004	30 min Avg	-0.003	0.039	0.049
ESE	1:00 PM	30 min Avg	0.012	30 min Avg	0.003	0.047	0.057
ESE	1:30 PM	30 min Avg	0.012	30 min Avg	0.012	0.047	0.057
ESE	2:00 PM	30 min Avg	0.008	30 min Avg	0.015	0.043	0.053
ESE	2:30 PM	30 min Avg	0.015	30 min Avg	0.008	0.050	0.060
ESE	3:00 PM	30 min Avg	-0.003	30 min Avg	0.011	0.038	0.048
ESE	3:30 PM	30 min Avg	0.018	30 min Avg	0.014	0.053	0.063
ESE	4:00 PM	30 min Avg	0.014	30 min Avg	0.007	0.049	0.059
ESE	4:30 PM	30 min Avg	0.014	30 min Avg	0.021	0.049	0.059
ESE	5:00 PM	30 min Avg	0.012	30 min Avg	0.011	0.047	0.057
ESE	5:30 PM	30 min Avg	0.015	30 min Avg	0.013	0.050	0.060

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:

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 6-4-11-11**

Date: 6/4/2011 Technician: Carl Jones

Prevailing Wind

Direction	Time	Unit 2-Upwind Reading	Unit 1-Downwind Reading	Action Level	Stop Work		
ESE	6:00 AM	30 min Avg	-0.005	30 min Avg	-0.005	0.040	0.050
ESE	6:30 AM	30 min Avg	0.095	30 min Avg	0.071	0.130	0.140
ESE	7:00 AM	30 min Avg	0.023	30 min Avg	0.013	0.058	0.068
ESE	7:30 AM	30 min Avg	0.007	30 min Avg	0.028	0.042	0.052
ESE	8:00 AM	30 min Avg	-0.005	30 min Avg	-0.005	0.040	0.050
ESE	8:30 AM	30 min Avg	0.004	30 min Avg	0.006	0.039	0.049
ESE	9:00 AM	30 min Avg	-0.005	30 min Avg	0.001	0.040	0.050
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ESE	10:00 AM	30 min Avg	0.005	30 min Avg	0.008	0.040	0.050
ESE	10:30 AM	30 min Avg	0.001	30 min Avg	0.000	0.036	0.046
ESE	11:00 AM	30 min Avg	0.007	30 min Avg	0.007	0.042	0.052
ESE	11:30 AM	30 min Avg	0.003	30 min Avg	0.006	0.038	0.048
ESE	12:00 PM	30 min Avg	0.006	30 min Avg	0.004	0.041	0.051
ESE	12:30 PM	30 min Avg	0.004	30 min Avg	0.006	0.039	0.049
ESE	1:00 PM	30 min Avg	0.006	30 min Avg	0.003	0.041	0.051
ESE	1:30 PM	30 min Avg	0.005	30 min Avg	0.003	0.040	0.050
ESE	2:00 PM	30 min Avg	0.008	30 min Avg	0.011	0.043	0.053
ESE	2:30 PM	30 min Avg	0.000	30 min Avg	0.004	0.035	0.045
ESE	3:00 PM	30 min Avg	0.010	30 min Avg	0.007	0.045	0.055
ESE	3:30 PM	30 min Avg	0.003	30 min Avg	0.001	0.038	0.048
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ESE	5:00 PM	30 min Avg	0.013	30 min Avg	0.011	0.048	0.058
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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:

Note: Blue text readings are pre-work levels that were collected during the E-Bam instrument warm-up period and are not considered accurate.