

**Former ASARCO-Encycle Demolition
Particulate Monitoring Summary
Week Ending 07-22-12**

Date: 7/16/2012 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	30 min Avg	0.032	0.035	0.045
SSE	6:30 AM	30 min Avg	0.031	30 min Avg	0.036	0.066	0.076
SSE	7:00 AM	30 min Avg	0.034	30 min Avg	0.026	0.069	0.079
SE	7:30 AM	30 min Avg	0.052	30 min Avg	0.036	0.087	0.097
SE	8:00 AM	30 min Avg	0.026	30 min Avg	0.018	0.061	0.071
SE	8:30 AM	30 min Avg	0.029	30 min Avg	0.042	0.064	0.074
SE	9:00 AM	30 min Avg	0.021	30 min Avg	0.038	0.056	0.066
SE	9:30 AM	30 min Avg	0.016	30 min Avg	0.038	0.051	0.061
SE	10:00 AM	30 min Avg	0.016	30 min Avg	0.039	0.051	0.061
SE	10:30 AM	30 min Avg	0.024	30 min Avg	0.03	0.059	0.069
SE	11:00 AM	30 min Avg	0.007	30 min Avg	0.019	0.042	0.052
SE	11:30 AM	30 min Avg	0.052	30 min Avg	0.018	0.087	0.097
SE	12:00 PM	30 min Avg	0.007	30 min Avg	0.028	0.042	0.052
	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

E-BAM locations (Upwind) SW- south of building 3 (Downwind) NW- west of building 14

'Action Levels

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 ended at 11:30. E-BAM unit 2 had several Flow Failure alarms before the pump failed to run.

Notes:

All readings in mg/m³

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 07-22-12**

Date: 7/17/2012 Technician: Carl Jones

**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	0.035	0.045
6:30 AM	30 min Avg	30 min Avg	0.035	0.045
7:00 AM	30 min Avg	30 min Avg	0.035	0.045
7:30 AM	30 min Avg	30 min Avg	0.035	0.045
8:00 AM	30 min Avg	30 min Avg	0.035	0.045
8:30 AM	30 min Avg	30 min Avg	0.035	0.045
9:00 AM	30 min Avg	30 min Avg	0.035	0.045
9:30 AM	30 min Avg	30 min Avg	0.035	0.045
10:00 AM	30 min Avg	30 min Avg	0.035	0.045
10:30 AM	30 min Avg	30 min Avg	0.035	0.045
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

E-BAM locations (Upwind)

Action Levels

Action level = upwind concentration + 0.035 mg/m³

Stop Work Level = upwind concentration + 0.045 mg/m³

Note time/duration of work stoppage: TCEQ final walk thru and the fence crew constructing barricades around pits were the only activities happening on site. No readings were taken.

Notes:

All readings in mg/m³

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 07-22-12**

Date: 7/18/2012 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	0.016	0.035
SE	6:30 AM	30 min Avg	0	0.018	0.035
SE	7:00 AM	30 min Avg	0	0.011	0.035
SE	7:30 AM	30 min Avg	0	0.015	0.035
SE	8:00 AM	30 min Avg	0	0.003	0.035
SE	8:30 AM	30 min Avg	0	0.019	0.035
SE	9:00 AM	30 min Avg	0	0.012	0.035
SE	9:30 AM	30 min Avg	0	0.023	0.035
SE	10:00 AM	30 min Avg	0	0.015	0.035
SE	10:30 AM	30 min Avg	0	0.015	0.035
SE	11:00 AM	30 min Avg	0	0.001	0.035
ESE	11:30 AM	30 min Avg	0	0.016	0.035
ESE	12:00 PM	30 min Avg	0	0.001	0.035
ESE	12:30 PM	30 min Avg	0	0.019	0.035
ESE	1:00 PM	30 min Avg	0	0.004	0.035
ESE	1:30 PM	30 min Avg	0	0.019	0.035
ESE	2:00 PM	30 min Avg	0	0.004	0.035
ESE	2:30 PM	30 min Avg	0	0.006	0.035
ESE	3:00 PM	30 min Avg	0	0.015	0.035
ESE	3:30 PM	30 min Avg	0	0.018	0.035
	4:00 PM	30 min Avg			0.035
	4:30 PM	30 min Avg			0.035
	5:00 PM	30 min Avg			0.035
	5:30 PM	30 min Avg			0.035
	6:00PM	30 min Avg			0.035

E-BAM locations (Downwind) NW- west of bldg. 14

Action Levels

Action level = upwind concentration + 0.035 mg/m³

Stop Work Level = upwind concentration + 0.045 mg/m³

Note time/duration of work stoppage: With only one E-BAM unit, the upwind readings will count as zero.

Notes:

All readings in mg/m³

Blue text readings are pre-work levels that were collected during the E-Bam instrument warm-up period and are considered accurate.

**Former ASARCO-Encycle Demolition
Particulate Monitoring Summary
Week Ending 07-22-12**

Date: 7/19/2012 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	0.008	0.045
SSE	6:30 AM	30 min Avg	0	0.023	0.045
SSE	7:00 AM	30 min Avg	0	0.011	0.045
SSE	7:30 AM	30 min Avg	0	0.006	0.045
SSE	8:00 AM	30 min Avg	0	0.011	0.045
SSE	8:30 AM	30 min Avg	0	0.016	0.045
SSE	9:00 AM	30 min Avg	0	0.028	0.045
SSE	9:30 AM	30 min Avg	0	0	0.045
SSE	10:00 AM	30 min Avg	0	0.018	0.045
SSE	10:30 AM	30 min Avg	0	0.013	0.045
SE	11:00 AM	30 min Avg	0	0.006	0.045
SE	11:30 AM	30 min Avg	0	0.004	0.045
SE	12:00 PM	30 min Avg	0	0.007	0.045
SE	12:30 PM	30 min Avg	0	0	0.045
SE	1:00 PM	30 min Avg	0	0.017	0.045
SE	1:30 PM	30 min Avg	0	0.008	0.045
SSE	2:00 PM	30 min Avg	0	0.014	0.045
SSE	2:30 PM	30 min Avg	0	0.015	0.045
SSE	3:00 PM	30 min Avg	0	0.006	0.045
SSE	3:30 PM	30 min Avg	0	0.007	0.045
	4:00 PM	30 min Avg			0.045
	4:30 PM	30 min Avg			0.045
	5:00 PM	30 min Avg			0.045
	5:30 PM	30 min Avg			0.045
	6:00 PM	30 min Avg			0.045

E-BAM locations (Downwind) NW- west of building 14

Action Levels

Action level = upwind concentration + 0.035 mg/m³

Stop Work Level = upwind concentration + 0.045 mg/m³

Note time/duration of work stoppage:

Notes:

All readings in mg/m³

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 07-22-12**

Date: 7/20/2012 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	30 min Avg	0.024	0.035	0.045
S	6:30 AM	30 min Avg	0	30 min Avg	0.026	0.035	0.045
S	7:00 AM	30 min Avg	0	30 min Avg	0.022	0.035	0.045
S	7:30 AM	30 min Avg	0	30 min Avg	0.016	0.035	0.045
S	8:00 AM	30 min Avg	0	30 min Avg	0.016	0.035	0.045
S	8:30 AM	30 min Avg	0	30 min Avg	0.014	0.035	0.045
S	9:00 AM	30 min Avg	0	30 min Avg	0.023	0.035	0.045
S	9:30 AM	30 min Avg	0	30 min Avg	0.03	0.035	0.045
S	10:00 AM	30 min Avg	0	30 min Avg	0.035	0.035	0.045
S	10:30 AM	30 min Avg	0	30 min Avg	0.011	0.035	0.045
S	11:00 AM	30 min Avg	0	30 min Avg	0.028	0.035	0.045
S	11:30 AM	30 min Avg	0	30 min Avg	0.02	0.035	0.045
S	12:00 PM	30 min Avg	0	30 min Avg	0.018	0.035	0.045
SSE	12:30 PM	30 min Avg	0	30 min Avg	0.017	0.035	0.045
SE	1:00 PM	30 min Avg	0	30 min Avg	0.018	0.035	0.045
SE	1:30 PM	30 min Avg	0	30 min Avg	0.026	0.035	0.045
SE	2:00 PM	30 min Avg	0	30 min Avg	0.018	0.035	0.045
SE	2:30 PM	30 min Avg	0	30 min Avg	0.021	0.035	0.045
SE	3:00 PM	30 min Avg	0	30 min Avg	0.021	0.035	0.045
SE	3:30 PM	30 min Avg	0	30 min Avg	0.016	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

E-BAM locations (Downwind) NW- west of building 14

Action Levels

Action level = upwind concentration + 0.035 mg/m³

Stop Work Level = upwind concentration + 0.045 mg/m³

Note time/duration of work stoppage: The 10:00 reading reached an action level. Dust suppression was added to roadways and work areas.

Notes:

All readings in mg/m³

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 07-22-12**

Date: 7/21/2012 Technician: Carl Jones

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	0.035	0.045
	6:30 AM	30 min Avg	30 min Avg	0.035	0.045
	7:00 AM	30 min Avg	30 min Avg	0.035	0.045
	7:30 AM	30 min Avg	30 min Avg	0.035	0.045
	8:00 AM	30 min Avg	30 min Avg	0.035	0.045
	8:30 AM	30 min Avg	30 min Avg	0.035	0.045
	9:00 AM	30 min Avg	30 min Avg	0.035	0.045
	9:30 AM	30 min Avg	30 min Avg	0.035	0.045
	10:00 AM	30 min Avg	30 min Avg	0.035	0.045
	10:30 AM	30 min Avg	30 min Avg	0.035	0.045
	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

E-BAM locations

Action Levels

Action level = upwind concentration + 0.035 mg/m³

Stop Work Level = upwind concentration + 0.045 mg/m³

Note time/duration of work stoppage:

Notes:

All readings in mg/m³

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 07-22-12**

Date: 7/22/2012 Technician: Carl Jones

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	0.035	0.045
	6:30 AM	30 min Avg	30 min Avg	0.035	0.045
	7:00 AM	30 min Avg	30 min Avg	0.035	0.045
	7:30 AM	30 min Avg	30 min Avg	0.035	0.045
	8:00 AM	30 min Avg	30 min Avg	0.035	0.045
	8:30 AM	30 min Avg	30 min Avg	0.035	0.045
	9:00 AM	30 min Avg	30 min Avg	0.035	0.045
	9:30 AM	30 min Avg	30 min Avg	0.035	0.045
	10:00 AM	30 min Avg	30 min Avg	0.035	0.045
	10:30 AM	30 min Avg	30 min Avg	0.035	0.045
	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
	6:00PM	30 min Avg	30 min Avg	0.035	0.045

E-BAM locations

Action Levels

Action level = upwind concentration + 0.035 mg/m³

Stop Work Level = upwind concentration + 0.045 mg/m³

Note time/duration of work stoppage:

Notes:

All readings in mg/m³

Blue text readings are pre-work levels that were collected during the E-Bam instrument warm-up period and are considered accurate.