

**Former ASARCO-Encycle Demolition
Particulate Monitoring Summary
Week Ending 08-05-12**

Date: 7/30/2012 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	0.014	0.045
S	6:30 AM	30 min Avg	0	0.02	0.045
S	7:00 AM	30 min Avg	0	0.02	0.045
S	7:30 AM	30 min Avg	0	0.013	0.045
S	8:00 AM	30 min Avg	0	0.019	0.045
S	8:30 AM	30 min Avg	0	0.012	0.045
S	9:00 AM	30 min Avg	0	0.036	0.045
S	9:30 AM	30 min Avg	0	0.043	0.045
S	10:00 AM	30 min Avg	0	0.017	0.045
S	10:30 AM	30 min Avg	0	0.017	0.045
S	11:00 AM	30 min Avg	0	0.022	0.045
S	11:30 AM	30 min Avg	0	0.007	0.045
S	12:00 PM	30 min Avg	0	0.023	0.045
SE	12:30 PM	30 min Avg	0	0.019	0.045
SE	1:00 PM	30 min Avg	0	0.013	0.045
SE	1:30 PM	30 min Avg	0	0.015	0.045
SE	2:00 PM	30 min Avg	0	0.008	0.045
SE	2:30 PM	30 min Avg	0	0.017	0.045
SE	3:00 PM	30 min Avg	0	0.015	0.045
SE	3:30 PM	30 min Avg	0	0.015	0.045
SE	4:00 PM	30 min Avg	0	0	0.045
SE	4:30 PM	30 min Avg	0	0.021	0.045
SE	5:00 PM	30 min Avg	0	0.01	0.045
SE	5:30 PM	30 min Avg	0	0.009	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 9:00 and 9:30 readings reached action levels. 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 08-05-12**

Date: 7/31/2012 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	0.026	0.035	0.045
S	6:30 AM	30 min Avg	0	30 min Avg	0.016	0.035	0.045
S	7:00 AM	30 min Avg	0	30 min Avg	0.014	0.035	0.045
S	7:30 AM	30 min Avg	0	30 min Avg	0.014	0.035	0.045
S	8:00 AM	30 min Avg	0	30 min Avg	0.002	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	0.037	0.035	0.045
S	9:30 AM	30 min Avg	0	30 min Avg	0.014	0.035	0.045
S	10:00 AM	30 min Avg	0	30 min Avg	0.017	0.035	0.045
S	10:30 AM	30 min Avg	0	30 min Avg	0.007	0.035	0.045
S	11:00 AM	30 min Avg	0	30 min Avg	0.01	0.035	0.045
S	11:30 AM	30 min Avg	0	30 min Avg	0.002	0.035	0.045
S	12:00 PM	30 min Avg	0	30 min Avg	0.009	0.035	0.045
S	12:30 PM	30 min Avg	0	30 min Avg	0	0.035	0.045
S	1:00 PM	30 min Avg	0	30 min Avg	0.013	0.035	0.045
SE	1:30 PM	30 min Avg	0	30 min Avg	0.009	0.035	0.045
SE	2:00 PM	30 min Avg	0	30 min Avg	0.009	0.035	0.045
SE	2:30 PM	30 min Avg	0	30 min Avg	0.008	0.035	0.045
SE	3:00 PM	30 min Avg	0	30 min Avg	0.019	0.035	0.045
SE	3:30 PM	30 min Avg	0	30 min Avg	0.01	0.035	0.045
SE	4:00 PM	30 min Avg	0	30 min Avg	0.016	0.035	0.045
SE	4:30 PM	30 min Avg	0	30 min Avg	0.008	0.035	0.045
SE	5:00 PM	30 min Avg	0	30 min Avg	0.003	0.035	0.045
SE	5:30 PM	30 min Avg	0	30 min Avg	0.011	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 9:00 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 08-05-12**

Date: 8/1/2012 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	0.019	0.035
S	6:30 AM	30 min Avg	0	0.027	0.035
S	7:00 AM	30 min Avg	0	0.01	0.035
S	7:30 AM	30 min Avg	0	0.015	0.035
S	8:00 AM	30 min Avg	0	0.011	0.035
S	8:30 AM	30 min Avg	0	0.015	0.035
S	9:00 AM	30 min Avg	0	0.021	0.035
S	9:30 AM	30 min Avg	0	0.047	0.035
S	10:00 AM	30 min Avg	0	0.016	0.035
S	10:30 AM	30 min Avg	0	0.021	0.035
S	11:00 AM	30 min Avg	0	0.017	0.035
S	11:30 AM	30 min Avg	0	0.015	0.035
S	12:00 PM	30 min Avg	0	0.02	0.035
S	12:30 PM	30 min Avg	0	0.014	0.035
SE	1:00 PM	30 min Avg	0	0.023	0.035
SE	1:30 PM	30 min Avg	0	0.014	0.035
SE	2:00 PM	30 min Avg	0	0.032	0.035
SE	2:30 PM	30 min Avg	0	0.018	0.035
SE	3:00 PM	30 min Avg	0	0.019	0.035
SE	3:30 PM	30 min Avg	0	0.019	0.035
SE	4:00 PM	30 min Avg	0	0.015	0.035
SE	4:30 PM	30 min Avg	0	0.026	0.035
SE	5:00 PM	30 min Avg	0	0.02	0.035
SE	5:30 PM	30 min Avg	0	0.024	0.035
	6:00PM	30 min Avg			0.035

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 9:30 reading reached a stop work level. All work stopped for 30 minutes until the next reading had shown that work could continue.

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 08-05-12**

Date: 8/2/2012 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	0.036	0.045
S	6:30 AM	30 min Avg	0	0.021	0.045
S	7:00 AM	30 min Avg	0	0.014	0.045
S	7:30 AM	30 min Avg	0	0.028	0.045
S	8:00 AM	30 min Avg	0	0.014	0.045
S	8:30 AM	30 min Avg	0	0.022	0.045
S	9:00 AM	30 min Avg	0	0.018	0.045
S	9:30 AM	30 min Avg	0	0.046	0.045
S	10:00 AM	30 min Avg	0	0.008	0.045
S	10:30 AM	30 min Avg	0	0.02	0.045
SSE	11:00 AM	30 min Avg	0	0.008	0.045
SSE	11:30 AM	30 min Avg	0	0.014	0.045
SE	12:00 PM	30 min Avg	0	0.014	0.045
SE	12:30 PM	30 min Avg	0	0.022	0.045
SE	1:00 PM	30 min Avg	0	0.017	0.045
SE	1:30 PM	30 min Avg	0	0.012	0.045
SE	2:00 PM	30 min Avg	0	0.023	0.045
SE	2:30 PM	30 min Avg	0	0.017	0.045
SE	3:00 PM	30 min Avg	0	0.013	0.045
SE	3:30 PM	30 min Avg	0	0.019	0.045
SE	4:00 PM	30 min Avg	0	0.021	0.045
SE	4:30 PM	30 min Avg	0	0.016	0.045
SE	5:00 PM	30 min Avg	0	0.026	0.045
SE	5:30 PM	30 min Avg	0	0.016	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: The 9:30 reading reached a stop work level. All work except for dust suppression stopped for 30 minutes until the next reading had shown that work could continue.

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 08-05-12**

Date: 8/3/2012 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	0.021	0.045
S	6:30 AM	30 min Avg	0	0.015	0.045
S	7:00 AM	30 min Avg	0	0.015	0.045
S	7:30 AM	30 min Avg	0	0.012	0.045
S	8:00 AM	30 min Avg	0	0.015	0.045
S	8:30 AM	30 min Avg	0	0.009	0.045
S	9:00 AM	30 min Avg	0	0.026	0.045
S	9:30 AM	30 min Avg	0	0.017	0.045
S	10:00 AM	30 min Avg	0	0.022	0.045
SSE	10:30 AM	30 min Avg	0	0.002	0.045
S	11:00 AM	30 min Avg	0	0.012	0.045
S	11:30 AM	30 min Avg	0	0.002	0.045
SE	12:00 PM	30 min Avg	0	0.009	0.045
SE	12:30 PM	30 min Avg	0	0.007	0.045
SE	1:00 PM	30 min Avg	0	0.015	0.045
SE	1:30 PM	30 min Avg	0	0.004	0.045
SE	2:00 PM	30 min Avg	0	0.007	0.045
SE	2:30 PM	30 min Avg	0	0.01	0.045
SE	3:00 PM	30 min Avg	0	0.005	0.045
SE	3:30 PM	30 min Avg	0	0.016	0.045
SE	4:00 PM	30 min Avg	0	0.008	0.045
SE	4:30 PM	30 min Avg	0	0.015	0.045
SE	5:00 PM	30 min Avg	0	0.01	0.045
SE	5:30 PM	30 min Avg	0	0.003	0.045

E-BAM locations (Downwind) N- north of building 26

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 08-05-12**

Date: 8/4/2012 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 08-05-12**

Date: 8/5/2012 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.