

**Former ASARCO-Encycle Demolition  
Particulate Monitoring Summary  
Week Ending 03-18-12**

Date: 3/12/2012 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	0.035	0.045
SSE	6:30 AM	30 min Avg	0.012	30 min Avg	0.018	0.047	0.057
SSE	7:00 AM	30 min Avg	0.003	30 min Avg	0.013	0.038	0.048
SSE	7:30 AM	30 min Avg	0	30 min Avg	0.002	0.035	0.045
S	8:00 AM	30 min Avg	0.01	30 min Avg	0.008	0.045	0.055
S	8:30 AM	30 min Avg	0	30 min Avg	0.007	0.035	0.045
ESE	9:00 AM	30 min Avg	0	30 min Avg	0.002	0.035	0.045
ENE	9:30 AM	30 min Avg	0.008	30 min Avg	0.013	0.043	0.053
ESE	10:00 AM	30 min Avg	0.025	30 min Avg	0.02	0.060	0.070
SE	10:30 AM	30 min Avg	0.001	30 min Avg	0.011	0.036	0.046
SE	11:00 AM	30 min Avg	0	30 min Avg	0.011	0.035	0.045
SE	11:30 AM	30 min Avg	0.046	30 min Avg	0.036	0.081	0.091
S	12:00 PM	30 min Avg	0.002	30 min Avg	0.005	0.037	0.047
N	12:30 PM	30 min Avg	0.002	30 min Avg	0.008	0.037	0.047
ENE	1:00 PM	30 min Avg	0	30 min Avg	0.025	0.035	0.045
N	1:30 PM	30 min Avg	0.023	30 min Avg	0	0.058	0.068
N	2:00 PM	30 min Avg	0	30 min Avg	0.032	0.035	0.045
ENE	2:30 PM	30 min Avg	0.039	30 min Avg	0.032	0.074	0.084
ENE	3:00 PM	30 min Avg	0.004	30 min Avg	0.023	0.039	0.049
E	3:30 PM	30 min Avg	0.009	30 min Avg	0	0.044	0.054
E	4:00 PM	30 min Avg	0.005	30 min Avg	0.011	0.040	0.050
E	4:30 PM	30 min Avg	0.004	30 min Avg	0.011	0.039	0.049
E	5:00 PM	30 min Avg	0.015	30 min Avg	0.015	0.050	0.060
E	5:30 PM	30 min Avg	0.009	30 min Avg	0.006	0.044	0.054

E-BAM locations (Upwind) SW- south of building 3 (Downwind) NW- west of building 14  
[ 2:05 (Upwind) NW- west of building 14 (Downwind) SW- south of building 3]

**Action Levels**

Action level = upwind concentration + 0.035 mg/m<sup>3</sup>

Stop Work Level = upwind concentration + 0.045 mg/m<sup>3</sup>

*Note time/duration of work stoppage:*

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**Notes:**

All readings in mg/m<sup>3</sup>

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 03-18-12**

Date: 3/13/2012 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
SSE	6:30 AM	30 min Avg	0	0.035	0.045
SSE	7:00 AM	30 min Avg	0.001	0.036	0.046
SSE	7:30 AM	30 min Avg	0.01	0.045	0.055
SSE	8:00 AM	30 min Avg	0.01	0.045	0.055
SSE	8:30 AM	30 min Avg	0.004	0.039	0.049
SSE	9:00 AM	30 min Avg	0.001	0.036	0.046
SSE	9:30 AM	30 min Avg	0.012	0.047	0.057
SSE	10:00 AM	30 min Avg	0.027	0.062	0.072
SSE	10:30 AM	30 min Avg	0.019	0.054	0.064
SSE	11:00 AM	30 min Avg	0.02	0.055	0.065
SSE	11:30 AM	30 min Avg	0.003	0.038	0.048
SE	12:00 PM	30 min Avg	0.012	0.047	0.057
SE	12:30 PM	30 min Avg	0.015	0.050	0.060
SE	1:00 PM	30 min Avg	0.023	0.058	0.068
SE	1:30 PM	30 min Avg	0.016	0.051	0.061
SE	2:00 PM	30 min Avg	0.019	0.054	0.064
SE	2:30 PM	30 min Avg	0.009	0.044	0.054
SE	3:00 PM	30 min Avg	0.014	0.049	0.059
SE	3:30 PM	30 min Avg	0.006	0.041	0.051
SE	4:00 PM	30 min Avg	0.008	0.043	0.053
SE	4:30 PM	30 min Avg	0	0.035	0.045
SE	5:00 PM	30 min Avg	0.015	0.050	0.060
SE	5:30 PM	30 min Avg	0.012	0.047	0.057

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: Due to the daylight savings time change, the E-BAM units and all work will start 30 minutes later for the two or three weeks because of darkness.*

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**Notes:**

All readings in mg/m3

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**Former ASARCO-Encycle Demolition  
Particulate Monitoring Summary  
Week Ending 03-18-12**

Date: 3/14/2012 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
SE	6:30 AM	30 min Avg	0	0.035	0.045
SE	7:00 AM	30 min Avg	0.017	0.052	0.062
SSE	7:30 AM	30 min Avg	0.004	0.039	0.049
SSE	8:00 AM	30 min Avg	0.009	0.044	0.054
SSE	8:30 AM	30 min Avg	0.01	0.045	0.055
SE	9:00 AM	30 min Avg	0.011	0.046	0.056
SE	9:30 AM	30 min Avg	0.003	0.038	0.048
SE	10:00 AM	30 min Avg	0.01	0.045	0.055
SE	10:30 AM	30 min Avg	0.019	0.054	0.064
SE	11:00 AM	30 min Avg	0.012	0.047	0.057
SE	11:30 AM	30 min Avg	0.025	0.060	0.070
SE	12:00 PM	30 min Avg	0.012	0.047	0.057
SE	12:30 PM	30 min Avg	0	0.035	0.045
SE	1:00 PM	30 min Avg	0.005	0.040	0.050
SE	1:30 PM	30 min Avg	0.008	0.043	0.053
SE	2:00 PM	30 min Avg	0.006	0.041	0.051
SE	2:30 PM	30 min Avg	0.006	0.041	0.051
SE	3:00 PM	30 min Avg	0	0.035	0.045
SE	3:30 PM	30 min Avg	0.018	0.053	0.063
SE	4:00 PM	30 min Avg	0.004	0.039	0.049
SE	4:30 PM	30 min Avg	0.004	0.039	0.049
SE	5:00 PM	30 min Avg	0	0.035	0.045
SE	5:30 PM	30 min Avg	0.007	0.042	0.052
SE	6:00PM	30 min Avg	0.003	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/m<sup>3</sup>

Stop Work Level = upwind concentration + 0.045 mg/m<sup>3</sup>

*Note time/duration of work stoppage: All work ended at 5:30.*

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**Notes:**

All readings in mg/m<sup>3</sup>

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 03-18-12**

Date: 3/15/2012 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
SE	6:30 AM	30 min Avg	0	0.035	0.045
SE	7:00 AM	30 min Avg	0.013	0.048	0.058
SE	7:30 AM	30 min Avg	0.009	0.044	0.054
SE	8:00 AM	30 min Avg	0.01	0.045	0.055
SE	8:30 AM	30 min Avg	0.01	0.045	0.055
SE	9:00 AM	30 min Avg	0	0.035	0.045
SE	9:30 AM	30 min Avg	0.004	0.039	0.049
SE	10:00 AM	30 min Avg	0.052	0.087	0.097
SE	10:30 AM	30 min Avg	0	0.035	0.045
SE	11:00 AM	30 min Avg	0.017	0.052	0.062
SE	11:30 AM	30 min Avg	0.01	0.045	0.055
SE	12:00 PM	30 min Avg	0.009	0.044	0.054
SE	12:30 PM	30 min Avg	0.009	0.044	0.054
SSE	1:00 PM	30 min Avg	0.009	0.044	0.054
SSE	1:30 PM	30 min Avg	0.001	0.036	0.046
SSE	2:00 PM	30 min Avg	0	0.035	0.045
SE	2:30 PM	30 min Avg	0.019	0.054	0.064
SE	3:00 PM	30 min Avg	0.006	0.041	0.051
SE	3:30 PM	30 min Avg	0.005	0.040	0.050
SE	4:00 PM	30 min Avg	0.013	0.048	0.058
SE	4:30 PM	30 min Avg	0.008	0.043	0.053
SE	5:00 PM	30 min Avg	0.015	0.050	0.060
SE	5:30 PM	30 min Avg	0	0.035	0.045
SE	6:00 PM	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/m<sup>3</sup>

Stop Work Level = upwind concentration + 0.045 mg/m<sup>3</sup>

Note time/duration of work stoppage: The 10:30 reading reached an action level. Additional dust suppression was added to roadways and work areas.

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**Notes:**

All readings in mg/m<sup>3</sup>

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**Former ASARCO-Encycle Demolition  
Particulate Monitoring Summary  
Week Ending 03-18-12**

Date: 3/16/2012 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
SE	6:30 AM	30 min Avg	0	0.035	0.045
SE	7:00 AM	30 min Avg	0.005	0.040	0.050
SE	7:30 AM	30 min Avg	0.007	0.042	0.052
SE	8:00 AM	30 min Avg	0.01	0.045	0.055
SE	8:30 AM	30 min Avg	0.005	0.040	0.050
SE	9:00 AM	30 min Avg	0.008	0.043	0.053
SE	9:30 AM	30 min Avg	0.003	0.038	0.048
SE	10:00 AM	30 min Avg	0.007	0.042	0.052
SE	10:30 AM	30 min Avg	0.014	0.049	0.059
SE	11:00 AM	30 min Avg	0.029	0.064	0.074
SE	11:30 AM	30 min Avg	0.018	0.053	0.063
SE	12:00 PM	30 min Avg	0.001	0.036	0.046
SE	12:30 PM	30 min Avg	0	0.035	0.045
SE	1:00 PM	30 min Avg	0.013	0.048	0.058
SE	1:30 PM	30 min Avg	0.005	0.040	0.050
SE	2:00 PM	30 min Avg	0.013	0.048	0.058
SE	2:30 PM	30 min Avg	0.001	0.036	0.046
SE	3:00 PM	30 min Avg	0.004	0.039	0.049
SE	3:30 PM	30 min Avg	0	0.035	0.045
SE	4:00 PM	30 min Avg	0.015	0.050	0.060
SE	4:30 PM	30 min Avg	0.002	0.037	0.047
SE	5:00 PM	30 min Avg	0.007	0.042	0.052
SE	5:30 PM	30 min Avg	0.013	0.048	0.058

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

**Action Levels**

Action level = upwind concentration + 0.035 mg/m<sup>3</sup>

Stop Work Level = upwind concentration + 0.045 mg/m<sup>3</sup>

*Note time/duration of work stoppage:*

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**Notes:**

All readings in mg/m<sup>3</sup>

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 03-18-12**

Date: 3/17/2012 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
SE	6:30 AM	30 min Avg	0	0.035	0.045
SE	7:00 AM	30 min Avg	0	0.035	0.045
SE	7:30 AM	30 min Avg	0.009	0.044	0.054
SE	8:00 AM	30 min Avg	0.009	0.044	0.054
SSE	8:30 AM	30 min Avg	0	0.035	0.045
SSE	9:00 AM	30 min Avg	0	0.035	0.045
SSE	9:30 AM	30 min Avg	0.004	0.039	0.049
SSE	10:00 AM	30 min Avg	0	0.035	0.045
SSE	10:30 AM	30 min Avg	0.016	0.051	0.061
SSE	11:00 AM	30 min Avg	0.048	0.083	0.093
SSE	11:30 AM	30 min Avg	0.001	0.036	0.046
SSE	12:00 PM	30 min Avg	0	0.035	0.045
SSE	12:30 PM	30 min Avg	0.008	0.043	0.053
SE	1:00 PM	30 min Avg	0.014	0.049	0.059
SE	1:30 PM	30 min Avg	0	0.035	0.045
SE	2:00 PM	30 min Avg	0.007	0.042	0.052
SE	2:30 PM	30 min Avg	0.009	0.044	0.054
SE	3:00 PM	30 min Avg	0	0.035	0.045
SE	3:30 PM	30 min Avg	0.008	0.043	0.053
	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

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

**Action Levels**

Action level = upwind concentration + 0.035 mg/m<sup>3</sup>

Stop Work Level = upwind concentration + 0.045 mg/m<sup>3</sup>

*Note time/duration of work stoppage: All work ended at 3:05.*

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**Notes:**

All readings in mg/m<sup>3</sup>

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Particulate Monitoring Summary  
Week Ending 03-18-12**

Date: 3/18/2012 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 (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: No work*

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**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.