

**Former ASARCO-Encycle Demolition  
Particulate Monitoring Summary  
Week Ending 02-26-12**

Date: 2/20/2012 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	0.035	0.045
SE	6:30 AM	30 min Avg	0.017	0.052	0.062
ESE	7:00 AM	30 min Avg	0.001	0.036	0.046
ESE	7:30 AM	30 min Avg	0.015	0.050	0.060
SE	8:00 AM	30 min Avg	0	0.035	0.045
SE	8:30 AM	30 min Avg	0.002	0.037	0.047
SE	9:00 AM	30 min Avg	0.025	0.060	0.070
SE	9:30 AM	30 min Avg	0.007	0.042	0.052
SE	10:00 AM	30 min Avg	0.025	0.060	0.070
SE	10:30 AM	30 min Avg	0.006	0.041	0.051
SE	11:00 AM	30 min Avg	0.008	0.043	0.053
SE	11:30 AM	30 min Avg	0	0.035	0.045
SE	12:00 PM	30 min Avg	0	0.035	0.045
SE	12:30 PM	30 min Avg	0.006	0.041	0.051
SE	1:00 PM	30 min Avg	0.011	0.046	0.056
SE	1:30 PM	30 min Avg	0	0.035	0.045
ESE	2:00 PM	30 min Avg	0	0.035	0.045
ESE	2:30 PM	30 min Avg	0.01	0.045	0.055
ESE	3:00 PM	30 min Avg	0	0.035	0.045
ESE	3:30 PM	30 min Avg	0.011	0.046	0.056
ESE	4:00 PM	30 min Avg	0.026	0.061	0.071
ESE	4:30 PM	30 min Avg	0	0.035	0.045
ESE	5:00 PM	30 min Avg	0.001	0.036	0.046
ESE	5:30 PM	30 min Avg	0.009	0.044	0.054
	6:00 PM	30 min Avg			

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

With a northerly component:

Action level+ upwind concentration + 0.031 mg/m3

Stop Work Level = upwind concentration + 0.039 mg/m3

*Note time/duration of work stoppage: The 1:30 reading reached a stop work level. All work except for dust suppression stopped for 30 minutes until the next reading had shown we were in compliance to 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 02-26-12**

Date: 2/21/2012 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	0.02	30 min Avg	0.01	0.055	0.065
SE	7:00 AM	30 min Avg	0.013	30 min Avg	0.018	0.048	0.058
SE	7:30 AM	30 min Avg	0	30 min Avg	0.011	0.035	0.045
ESE	8:00 AM	30 min Avg	0.008	30 min Avg	0.005	0.043	0.053
ENE	8:30 AM	30 min Avg	0.002	30 min Avg	0.014	0.037	0.047
ENE	9:00 AM	30 min Avg	0.024	30 min Avg	0.016	0.059	0.069
NNE	9:30 AM	30 min Avg	0.031	30 min Avg	0.037	0.066	0.076
NNE	10:00 AM	30 min Avg	0	30 min Avg	0	0.035	0.045
NNE	10:30 AM	30 min Avg	0.055	30 min Avg	0.047	0.090	0.100
NE	11:00 AM	30 min Avg	0.002	30 min Avg	0.016	0.037	0.047
NE	11:30 AM	30 min Avg	0.027	30 min Avg	0.014	0.062	0.072
NE	12:00 PM	30 min Avg	0	30 min Avg	0	0.035	0.045
E	12:30 PM	30 min Avg	0.002	30 min Avg	0.015	0.037	0.047
ENE	1:00 PM	30 min Avg	0	30 min Avg	0.01	0.035	0.045
E	1:30 PM	30 min Avg	0.01	30 min Avg	0.018	0.045	0.055
E	2:00 PM	30 min Avg	0.007	30 min Avg	0.002	0.042	0.052
E	2:30 PM	30 min Avg	0.007	30 min Avg	0.006	0.042	0.052
ENE	3:00 PM	30 min Avg	0.005	30 min Avg	0.002	0.040	0.050
E	3:30 PM	30 min Avg	0.001	30 min Avg	0.013	0.036	0.046
E	4:00 PM	30 min Avg	0.014	30 min Avg	0.011	0.049	0.059
E	4:30 PM	30 min Avg	0.011	30 min Avg	0	0.046	0.056
E	5:00 PM	30 min Avg	0	30 min Avg	0	0.035	0.045
ESE	5:30 PM	30 min Avg	0.009	30 min Avg	0.009	0.044	0.054

E-BAM locations (Upwind) SW- south of building 3 (Downwind) NW- west of building 14  
[ 9:45 (Upwind) NW- west of building 14 (Downwind) SW- south of building 3]

**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:*

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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 not considered accurate.

**Former ASARCO-Encycle Demolition  
Particulate Monitoring Summary  
Week Ending 02-26-12**

Date: 2/22/2012 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	0.035	0.045
S	6:30 AM	30 min Avg	0.009	0.044	0.054
S	7:00 AM	30 min Avg	0.018	0.053	0.063
S	7:30 AM	30 min Avg	0	0.035	0.045
S	8:00 AM	30 min Avg	0.008	0.043	0.053
S	8:30 AM	30 min Avg	0.006	0.041	0.051
SSW	9:00 AM	30 min Avg	0.009	0.044	0.054
SSW	9:30 AM	30 min Avg	0.008	0.043	0.053
SSW	10:00 AM	30 min Avg	0.025	0.060	0.070
SSW	10:30 AM	30 min Avg	0	0.035	0.045
SSW	11:00 AM	30 min Avg	0	0.035	0.045
SW	11:30 AM	30 min Avg	0.038	0.073	0.083
SW	12:00 PM	30 min Avg	0.011	0.046	0.056
SW	12:30 PM	30 min Avg	0.012	0.047	0.057
SW	1:00 PM	30 min Avg	0.001	0.036	0.046
SW	1:30 PM	30 min Avg	0.023	0.058	0.068
SW	2:00 PM	30 min Avg	0.011	0.046	0.056
SW	2:30 PM	30 min Avg	0.022	0.057	0.067
SW	3:00 PM	30 min Avg	0.014	0.049	0.059
SW	3:30 PM	30 min Avg	0.013	0.048	0.058
S	4:00 PM	30 min Avg	0.02	0.055	0.065
SSE	4:30 PM	30 min Avg	0.014	0.049	0.059
SSE	5:00 PM	30 min Avg	0.019	0.054	0.064
SE	5:30 PM	30 min Avg	0.015	0.050	0.060
	6:00PM	30 min Avg			

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 1:00 reading reached a stop work level. All work except for dust suppression stopped for 30 minutes until the next reading had shown we were in compliance to continue.

**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 02-26-12**

Date: 2/23/2012 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	0.035	0.045
S	6:30 AM	30 min Avg	0.02	30 min Avg	0.017	0.055	0.065
S	7:00 AM	30 min Avg	0.011	30 min Avg	0.027	0.046	0.056
S	7:30 AM	30 min Avg	0.017	30 min Avg	0.016	0.052	0.062
S	8:00 AM	30 min Avg	0.018	30 min Avg	0.021	0.053	0.063
S	8:30 AM	30 min Avg	0.021	30 min Avg	0.021	0.056	0.066
S	9:00 AM	30 min Avg	0.016	30 min Avg	0.026	0.051	0.061
S	9:30 AM	30 min Avg	0.021	30 min Avg	0.028	0.056	0.066
S	10:00 AM	30 min Avg	0.025	30 min Avg	0.024	0.060	0.070
S	10:30 AM	30 min Avg	0.068	30 min Avg	0.057	0.103	0.113
SSW	11:00 AM	30 min Avg	0.011	30 min Avg	0.005	0.046	0.056
SSW	11:30 AM	30 min Avg	0.013	30 min Avg	0.037	0.048	0.058
SSW	12:00 PM	30 min Avg	0.021	30 min Avg	0.019	0.056	0.066
SSW	12:30 PM	30 min Avg	0.019	30 min Avg	0.01	0.054	0.064
SSW	1:00 PM	30 min Avg	0.022	30 min Avg	0.025	0.057	0.067
SW	1:30 PM	30 min Avg	0.027	30 min Avg	0.016	0.062	0.072
SSW	2:00 PM	30 min Avg	0.027	30 min Avg	0.031	0.062	0.072
S	2:30 PM	30 min Avg	0.038	30 min Avg	0.038	0.073	0.083
S	3:00 PM	30 min Avg	0.027	30 min Avg	0.026	0.062	0.072
SSW	3:30 PM	30 min Avg	0.062	30 min Avg	0.033	0.097	0.107
S	4:00 PM	30 min Avg	0.051	30 min Avg	0.056	0.086	0.096
S	4:30 PM	30 min Avg	0.047	30 min Avg	0.04	0.082	0.092
S	5:00 PM	30 min Avg	0.005	30 min Avg	0.026	0.040	0.050
S	5:30 PM	30 min Avg	0.064	30 min Avg	0.048	0.099	0.109
SSE	6:00 PM	30 min Avg	0.013	30 min Avg	0.016	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/m3

Stop Work Level = upwind concentration + 0.045 mg/m3

*Note time/duration of work stoppage: All work ended at 5:40.*

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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 not considered accurate.

**Former ASARCO-Encycle Demolition  
Particulate Monitoring Summary  
Week Ending 02-26-12**

Date: 2/24/2012 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/m<sup>3</sup>

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

*Note time/duration of work stoppage: No work was started due to the forecast of high northerly winds.*

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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 02-26-12**

Date: 2/25/2012 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/m<sup>3</sup>

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

*Note time/duration of work stoppage: No work was started due to rain and approaching thunderstorms with heavy rain, high northerly winds and possible lightning.*

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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 02-26-12**

Date: 2/26/2012 Technician: Carl Jones

**Prevailing Wind**

Direction	Time	Unit 2-Upwind Reading	Unit 1-Downwind Reading	Action Level	Stop Work
NE	6:00 AM	30 min Avg	0	0.035	0.045
NE	6:30 AM	30 min Avg	0.012	0.047	0.057
NE	7:00 AM	30 min Avg	0.008	0.043	0.053
NE	7:30 AM	30 min Avg	0.003	0.038	0.048
NE	8:00 AM	30 min Avg	0.004	0.039	0.049
NE	8:30 AM	30 min Avg	0.009	0.044	0.054
NE	9:00 AM	30 min Avg	0	0.035	0.045
NE	9:30 AM	30 min Avg	0.005	0.040	0.050
NE	10:00 AM	30 min Avg	0.033	0.068	0.078
NE	10:30 AM	30 min Avg	0	0.035	0.045
ENE	11:00 AM	30 min Avg	0.025	0.060	0.070
E	11:30 AM	30 min Avg	0.019	0.054	0.064
E	12:00 PM	30 min Avg	0.003	0.038	0.048
E	12:30 PM	30 min Avg	0	0.035	0.045
E	1:00 PM	30 min Avg	0.004	0.039	0.049
	1:30 PM	30 min Avg		0.035	0.045
	2:00 PM	30 min Avg		0.035	0.045
	2:30 PM	30 min Avg		0.035	0.045
	3:00 PM	30 min Avg		0.035	0.045
	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
	6:00PM	30 min Avg		0.035	0.045

E-BAM locations (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: All work ended at 12:40 due to equipment issues associated with the stack demolition wall saw.*

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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.