

**Former ASARCO-Encycle Demolition  
Particulate Monitoring Summary  
Week Ending 01-21-12**

Date: 1/16/2012 Technician: Carl Jones

Prevailing Wind		Unit 2-Upwind Reading		Unit 1-Downwind Reading		Action Level	Stop Work
Direction	Time						
SSE	6:00 AM	30 min Avg	0	30 min Avg	0	0.035	0.045
SSE	6:30 AM	30 min Avg	0.013	30 min Avg	0.017	0.048	0.058
SSE	7:00 AM	30 min Avg	0.001	30 min Avg	0.008	0.036	0.046
SSE	7:30 AM	30 min Avg	0.007	30 min Avg	0.015	0.042	0.052
SSE	8:00 AM	30 min Avg	0.006	30 min Avg	0.002	0.041	0.051
SSE	8:30 AM	30 min Avg	0	30 min Avg	0	0.035	0.045
S	9:00 AM	30 min Avg	0.037	30 min Avg	0.024	0.072	0.082
S	9:30 AM	30 min Avg	0.03	30 min Avg	0.03	0.065	0.075
S	10:00 AM	30 min Avg	0.011	30 min Avg	0.028	0.046	0.056
S	10:30 AM	30 min Avg	0.003	30 min Avg	0	0.038	0.048
S	11:00 AM	30 min Avg	0	30 min Avg	0.008	0.035	0.045
S	11:30 AM	30 min Avg	0.005	30 min Avg	0.012	0.040	0.050
S	12:00 PM	30 min Avg	0	30 min Avg	0.008	0.035	0.045
S	12:30 PM	30 min Avg	0.014	30 min Avg	0.008	0.049	0.059
SSE	1:00 PM	30 min Avg	0.007	30 min Avg	0.014	0.042	0.052
SSE	1:30 PM	30 min Avg	0.006	30 min Avg	0.004	0.041	0.051
SSE	2:00 PM	30 min Avg	0.004	30 min Avg	0.01	0.039	0.049
SSE	2:30 PM	30 min Avg	0.014	30 min Avg	0.019	0.049	0.059
SSE	3:00 PM	30 min Avg	0.005	30 min Avg	0.005	0.040	0.050
SSE	3:30 PM	30 min Avg	0.01	30 min Avg	0.015	0.045	0.055
SE	4:00 PM	30 min Avg	0	30 min Avg	0.004	0.035	0.045
SE	4:30 PM	30 min Avg	0.022	30 min Avg	0.009	0.057	0.067
SSE	5:00 PM	30 min Avg	0.007	30 min Avg	0.011	0.042	0.052
SSE	5:30 PM	30 min Avg	0.02	30 min Avg	0	0.055	0.065

E-BAM locations (Upwind) SW- south of building 3 (Downwind) 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 01-21-12**

Date: 1/17/2012 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	0.021	30 min Avg	0.04	0.056	0.066
S	7:00 AM	30 min Avg	0.009	30 min Avg	0.018	0.044	0.054
S	7:30 AM	30 min Avg	0.014	30 min Avg	0.012	0.049	0.059
S	8:00 AM	30 min Avg	0.013	30 min Avg	0.015	0.048	0.058
S	8:30 AM	30 min Avg	0.019	30 min Avg	0.016	0.054	0.064
SSW	9:00 AM	30 min Avg	0.032	30 min Avg	0.021	0.067	0.077
SSW	9:30 AM	30 min Avg	0.015	30 min Avg	0.006	0.050	0.060
SW	10:00 AM	30 min Avg	0.049	30 min Avg	0.037	0.084	0.094
SW	10:30 AM	30 min Avg	0.009	30 min Avg	0.015	0.044	0.054
SW	11:00 AM	30 min Avg	0.003	30 min Avg	0.036	0.038	0.048
SW	11:30 AM	30 min Avg	0.017	30 min Avg	0.011	0.052	0.062
SW	12:00 PM	30 min Avg	0	30 min Avg	0.017	0.035	0.045
W	12:30 PM	30 min Avg	0.005	30 min Avg	0.02	0.040	0.050
SW	1:00 PM	30 min Avg	0.014	30 min Avg	0.029	0.049	0.059
SW	1:30 PM	30 min Avg	0.018	30 min Avg	0.022	0.053	0.063
W	2:00 PM	30 min Avg	0.016	30 min Avg	0.016	0.051	0.061
NNW	2:30 PM	30 min Avg	0.015	30 min Avg	0.031	0.050	0.060
N	3:00 PM	30 min Avg	0.009	30 min Avg	0.023	0.044	0.054
N	3:30 PM	30 min Avg	0.018	30 min Avg	0.024	0.053	0.063
NE	4:00 PM	30 min Avg	0.011	30 min Avg	0.012	0.046	0.056
ENE	4:30 PM	30 min Avg	0.027	30 min Avg	0.017	0.062	0.072
ENE	5:00 PM	30 min Avg	0.032	30 min Avg	0.021	0.067	0.077
E	5:30 PM	30 min Avg	0.036	30 min Avg	0.021	0.071	0.081
E	6:00 PM	30 min Avg	0.04	30 min Avg	0	0.035	0.045

E-BAM locations (Upwind) SW- south of building 3 (Downwind) NW- west of building 14 [2:34 (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 stopped at 5:35*

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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 01-21-12**

Date: 1/18/2012 Technician: Carl Jones

Prevailing Wind Direction	Time	Unit 2-Upwind Reading	Unit 1-Downwind Reading	Action Level	Stop Work
NNE	6:00 AM	30 min Avg	0.026	0.006	0.061
NNE	6:30 AM	30 min Avg	0.007	0.026	0.052
NNE	7:00 AM	30 min Avg	0.01	0.027	0.055
NNE	7:30 AM	30 min Avg	0	0.012	0.045
NE	8:00 AM	30 min Avg	0.008	0.018	0.053
NE	8:30 AM	30 min Avg	0.003	0.007	0.048
NE	9:00 AM	30 min Avg	0.003	0.013	0.048
NE	9:30 AM	30 min Avg	0	0.022	0.045
NNE	10:00 AM	30 min Avg	0.006	0.024	0.051
NNE	10:30 AM	30 min Avg	0.002	0.017	0.047
N	11:00 AM	30 min Avg	0.006	0.013	0.051
N	11:30 AM	30 min Avg	0.007	0.017	0.052
NNW	12:00 PM	30 min Avg	0.009	0.016	0.054
NNW	12:30 PM	30 min Avg	0.004	0.016	0.049
E	1:00 PM	30 min Avg	0.004	0.005	0.049
NNE	1:30 PM	30 min Avg	0	0.013	0.045
E	2:00 PM	30 min Avg	0.023	0.027	0.068
NNE	2:30 PM	30 min Avg	0.005	0.002	0.050
NNE	3:00 PM	30 min Avg	0.005	0.016	0.050
NNE	3:30 PM	30 min Avg	0.01	0.016	0.055
E	4:00 PM	30 min Avg	0.002	0.02	0.047
S	4:30 PM	30 min Avg	0.012	0.014	0.057
SSW	5:00 PM	30 min Avg	0.018	0.021	0.063
SSW	5:30 PM	30 min Avg	0.007	0.007	0.052
S	6:00 PM	30 min Avg	0.005	0.008	0.045

E-BAM locations (Upwind) NW- west of building 14 (Downwind) SW- south of building 3 [ 4:35 (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 stopped at 5:35.*

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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 01-22-12**

Date: 1/19/2012 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	0.035	30 min Avg	0.038	0.070	0.080
S	7:00 AM	30 min Avg	0.083	30 min Avg	0.028	0.118	0.128
S	7:30 AM	30 min Avg	0.043	30 min Avg	0.052	0.078	0.088
S	8:00 AM	30 min Avg	0.032	30 min Avg	0.037	0.067	0.077
S	8:30 AM	30 min Avg	0.027	30 min Avg	0.034	0.062	0.072
SSW	9:00 AM	30 min Avg	0.01	30 min Avg	0.014	0.045	0.055
SSW	9:30 AM	30 min Avg	0.02	30 min Avg	0.031	0.055	0.065
SSW	10:00 AM	30 min Avg	0.008	30 min Avg	0	0.043	0.053
SSW	10:30 AM	30 min Avg	0.015	30 min Avg	0	0.050	0.060
S	11:00 AM	30 min Avg	0.004	30 min Avg	0.049	0.039	0.049
S	11:30 AM	30 min Avg	0	30 min Avg	0.012	0.035	0.045
S	12:00 PM	30 min Avg	0.009	30 min Avg	0.006	0.044	0.054
S	12:30 PM	30 min Avg	0.006	30 min Avg	0.009	0.041	0.051
S	1:00 PM	30 min Avg	0.012	30 min Avg	0.007	0.047	0.057
S	1:30 PM	30 min Avg	0	30 min Avg	0.013	0.035	0.045
S	2:00 PM	30 min Avg	0.019	30 min Avg	0.014	0.054	0.064
S	2:30 PM	30 min Avg	0.003	30 min Avg	0.016	0.038	0.048
S	3:00 PM	30 min Avg	0.014	30 min Avg	0.008	0.049	0.059
SSE	3:30 PM	30 min Avg	0.012	30 min Avg	0.026	0.047	0.057
SE	4:00 PM	30 min Avg	0.015	30 min Avg	0.008	0.050	0.060
SE	4:30 PM	30 min Avg	0.015	30 min Avg	0.017	0.050	0.060
SE	5:00 PM	30 min Avg	0.021	30 min Avg	0.004	0.056	0.066
SSE	5:30 PM	30 min Avg	0.02	30 min Avg	0.023	0.055	0.065
SSE	6:00 PM	30 min Avg	0.049	30 min Avg	0.014	0.084	0.094

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 11:00 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. All work ended at 5:40.*

**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 01-22-12**

Date: 1/20/2012 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	0.035	0.045
S	6:30 AM	30 min Avg	0.019	0.054	0.064
S	7:00 AM	30 min Avg	0.018	0.053	0.063
S	7:30 AM	30 min Avg	0.004	0.039	0.049
S	8:00 AM	30 min Avg	0.012	0.047	0.057
S	8:30 AM	30 min Avg	0	0.035	0.045
S	9:00 AM	30 min Avg	0.005	0.040	0.050
S	9:30 AM	30 min Avg	0.007	0.042	0.052
S	10:00 AM	30 min Avg	0.021	0.056	0.066
S	10:30 AM	30 min Avg	0.054	0.089	0.099
S	11:00 AM	30 min Avg	0	0.035	0.045
S	11:30 AM	30 min Avg	0.008	0.043	0.053
S	12:00 PM	30 min Avg	0.016	0.051	0.061
S	12:30 PM	30 min Avg	0	0.035	0.045
S	1:00 PM	30 min Avg	0.018	0.053	0.063
S	1:30 PM	30 min Avg	0.011	0.046	0.056
SSE	2:00 PM	30 min Avg	0.011	0.046	0.056
SSE	2:30 PM	30 min Avg	0.013	0.048	0.058
SSE	3:00 PM	30 min Avg	0.012	0.047	0.057
SSE	3:30 PM	30 min Avg	0.012	0.047	0.057
SSE	4:00 PM	30 min Avg	0.025	0.060	0.070
SSE	4:30 PM	30 min Avg	0.007	0.042	0.052
SSE	5:00 PM	30 min Avg	0.016	0.051	0.061
SSE	5:30 PM	30 min Avg	0.022	0.057	0.067

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 5:10.*

**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 01-22-12**

Date: 1/21/2012 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	0.035	0.045
SW	7:00 AM	30 min Avg	0.008	0.043	0.053
SW	7:30 AM	30 min Avg	0.017	0.052	0.062
SW	8:00 AM	30 min Avg	0.017	0.052	0.062
SSW	8:30 AM	30 min Avg	0.016	0.051	0.061
SSW	9:00 AM	30 min Avg	0.034	0.069	0.079
SSW	9:30 AM	30 min Avg	0.025	0.060	0.070
SSE	10:00 AM	30 min Avg	0.026	0.061	0.071
SSE	10:30 AM	30 min Avg	0.005	0.040	0.050
ESE	11:00 AM	30 min Avg	0.023	0.058	0.068
NNE	11:30 AM	30 min Avg	0.012	0.047	0.057
NNE	12:00 PM	30 min Avg	0	0.035	0.045
NNE	12:30 PM	30 min Avg	0	0.035	0.045
	1:00 PM	30 min Avg		0.035	0.045
	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

E-BAM locations (Upwind) SW- south of building 3 (Downwind) NW- west of building 14 [ 11:35 (Upwind) NW- west 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 12:05 for the weekend.*

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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.