

**Former ASARCO-Encycle Demolition
Particulate Monitoring Summary
Week Ending 02-10-12**

Date: 2/6/2012 Technician: Carl Jones

Prevailing Wind

Direction	Time	Unit 2-Upwind Reading	Unit 1-Downwind Reading	Action Level	Stop Work
N	6:00 AM	30 min Avg	0	0.031	0.039
N	6:30 AM	30 min Avg	0.012	0.043	0.051
N	7:00 AM	30 min Avg	0.006	0.037	0.045
N	7:30 AM	30 min Avg	0.015	0.046	0.054
N	8:00 AM	30 min Avg	0.008	0.039	0.047
N	8:30 AM	30 min Avg	0.013	0.044	0.052
NNE	9:00 AM	30 min Avg	0.022	0.053	0.061
NNE	9:30 AM	30 min Avg	0.019	0.050	0.058
NNE	10:00 AM	30 min Avg	0	0.031	0.039
NNE	10:30 AM	30 min Avg	0.011	0.042	0.050
N	11:00 AM	30 min Avg	0.01	0.041	0.049
N	11:30 AM	30 min Avg	0	0.031	0.039
NNW	12:00 PM	30 min Avg	0.007	0.038	0.046
NNW	12:30 PM	30 min Avg	0	0.031	0.039
NNW	1:00 PM	30 min Avg	0.008	0.039	0.047
NNW	1:30 PM	30 min Avg	0.009	0.040	0.048
NNW	2:00 PM	30 min Avg	0	0.031	0.039
NNW	2:30 PM	30 min Avg	0.011	0.042	0.050
N	3:00 PM	30 min Avg	0.007	0.038	0.046
N	3:30 PM	30 min Avg	0	0.031	0.039
NE	4:00 PM	30 min Avg	0.009	0.040	0.048
NE	4:30 PM	30 min Avg	0.015	0.046	0.054
NE	5:00 PM	30 min Avg	0.004	0.035	0.043
NE	5:30 PM	30 min Avg	0.004	0.035	0.043
ENE	6:00 PM	30 min Avg	0.006	0.037	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/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: All work ended at 5:35.

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 02-10-12**

Date: 2/7/2012 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	30 min Avg	0	0.031	0.039
NE	6:30 AM	30 min Avg	0.018	30 min Avg	0.016	0.049	0.057
NE	7:00 AM	30 min Avg	0.026	30 min Avg	0.02	0.057	0.065
NE	7:30 AM	30 min Avg	0.012	30 min Avg	0.015	0.043	0.051
NNE	8:00 AM	30 min Avg	0.004	30 min Avg	0.008	0.035	0.043
NNE	8:30 AM	30 min Avg	0.026	30 min Avg	0.012	0.057	0.065
NNE	9:00 AM	30 min Avg	0.01	30 min Avg	0.034	0.041	0.049
NNE	9:30 AM	30 min Avg	0.035	30 min Avg	0.021	0.066	0.074
NE	10:00 AM	30 min Avg	0.005	30 min Avg	0.001	0.036	0.044
NE	10:30 AM	30 min Avg	0.01	30 min Avg	0.026	0.041	0.049
NE	11:00 AM	30 min Avg	0.004	30 min Avg	0.01	0.035	0.043
NNE	11:30 AM	30 min Avg	0.009	30 min Avg	0	0.040	0.048
NNE	12:00 PM	30 min Avg	0	30 min Avg	0.021	0.031	0.039
NNE	12:30 PM	30 min Avg	0.025	30 min Avg	0.034	0.056	0.064
NNE	1:00 PM	30 min Avg	0.007	30 min Avg	0.009	0.038	0.046
N	1:30 PM	30 min Avg	0.001	30 min Avg	0.012	0.032	0.040
N	2:00 PM	30 min Avg	0.012	30 min Avg	0.013	0.043	0.051
NNE	2:30 PM	30 min Avg	0.007	30 min Avg	0.012	0.038	0.046
NE	3:00 PM	30 min Avg	0.004	30 min Avg	0.008	0.035	0.043
NE	3:30 PM	30 min Avg	0.006	30 min Avg	0.012	0.037	0.045
ENE	4:00 PM	30 min Avg	0.004	30 min Avg	0.007	0.035	0.043
ENE	4:30 PM	30 min Avg	0.014	30 min Avg	0.002	0.045	0.053
ENE	5:00 PM	30 min Avg	0.007	30 min Avg	0.008	0.038	0.046
E	5:30 PM	30 min Avg	0.013	30 min Avg	0	0.048	0.058

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

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:

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 02-10-12**

Date: 2/8/2012 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	0.031	0.039
NNE	6:30 AM	30 min Avg	0.01	0.041	0.049
NNE	7:00 AM	30 min Avg	0.018	0.049	0.057
NNE	7:30 AM	30 min Avg	0.018	0.049	0.057
NNE	8:00 AM	30 min Avg	0.01	0.041	0.049
NNE	8:30 AM	30 min Avg	0.016	0.047	0.055
NNE	9:00 AM	30 min Avg	0.016	0.047	0.055
NNE	9:30 AM	30 min Avg	0.026	0.057	0.065
N	10:00 AM	30 min Avg	0.006	0.037	0.045
N	10:30 AM	30 min Avg	0.008	0.039	0.047
N	11:00 AM	30 min Avg	0.009	0.040	0.048
N	11:30 AM	30 min Avg	0.03	0.061	0.069
NNE	12:00 PM	30 min Avg	0.015	0.046	0.054
NNE	12:30 PM	30 min Avg	0.027	0.058	0.066
NE	1:00 PM	30 min Avg	0.017	0.048	0.056
NE	1:30 PM	30 min Avg	0.008	0.039	0.047
NNE	2:00 PM	30 min Avg	0.019	0.050	0.058
NNE	2:30 PM	30 min Avg	0.012	0.043	0.051
NE	3:00 PM	30 min Avg	0.02	0.051	0.059
NE	3:30 PM	30 min Avg	0.007	0.038	0.046
NE	4:00 PM	30 min Avg	0.02	0.051	0.059
N	4:30 PM	30 min Avg	0.015	0.046	0.054
N	5:00 PM	30 min Avg	0.017	0.048	0.056
NNE	5:30 PM	30 min Avg	0.012	0.043	0.051
	6:00PM	30 min Avg			

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

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:

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 02-10-12**

Date: 2/9/2012 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	0.031	0.039
NNE	6:30 AM	30 min Avg	0.029	0.060	0.068
NNE	7:00 AM	30 min Avg	0.019	0.050	0.058
NNE	7:30 AM	30 min Avg	0.016	0.047	0.055
NE	8:00 AM	30 min Avg	0.014	0.045	0.053
NE	8:30 AM	30 min Avg	0.016	0.047	0.055
NE	9:00 AM	30 min Avg	0.01	0.041	0.049
NE	9:30 AM	30 min Avg	0.023	0.054	0.062
NE	10:00 AM	30 min Avg	0.023	0.054	0.062
NE	10:30 AM	30 min Avg	0.009	0.040	0.048
NE	11:00 AM	30 min Avg	0.002	0.033	0.041
NE	11:30 AM	30 min Avg	0.004	0.035	0.043
NE	12:00 PM	30 min Avg	0.01	0.041	0.049
NE	12:30 PM	30 min Avg	0.008	0.039	0.047
NE	1:00 PM	30 min Avg	0.018	0.049	0.057
NE	1:30 PM	30 min Avg	0.017	0.048	0.056
ENE	2:00 PM	30 min Avg	0.015	0.046	0.054
ENE	2:30 PM	30 min Avg	0.015	0.046	0.054
NE	3:00 PM	30 min Avg	0.017	0.048	0.056
ENE	3:30 PM	30 min Avg	0.017	0.048	0.056
NE	4:00 PM	30 min Avg	0.012	0.043	0.051
NE	4:30 PM	30 min Avg	0.011	0.042	0.050
	5:00 PM	30 min Avg			
	5:30 PM	30 min Avg			
	6:00 PM	30 min Avg			

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

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: All work ended at 4:15 due to thunderstorms in the area.

Notes:

All readings in mg/m3

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N	7:30 AM	30 min Avg	0.004	30 min Avg	0.016	0.035	0.043
N	8:00 AM	30 min Avg	0.015	30 min Avg	0.008	0.046	0.054
N	8:30 AM	30 min Avg	0.006	30 min Avg	0.007	0.037	0.045
N	9:00 AM	30 min Avg	0.011	30 min Avg	0.021	0.042	0.050
N	9:30 AM	30 min Avg	0.002	30 min Avg	0.002	0.033	0.041
N	10:00 AM	30 min Avg	0.011	30 min Avg	0.009	0.042	0.050
N	10:30 AM	30 min Avg	0.006	30 min Avg	0.014	0.037	0.045
NNW	11:00 AM	30 min Avg	0.007	30 min Avg	0.009	0.038	0.046
NNW	11:30 AM	30 min Avg	0.008	30 min Avg	0.004	0.039	0.047
NNW	12:00 PM	30 min Avg	0.004	30 min Avg	0.004	0.035	0.043
NNW	12:30 PM	30 min Avg	0	30 min Avg	0	0.031	0.039
NNW	1:00 PM	30 min Avg	0.007	30 min Avg	0.013	0.038	0.046
N	1:30 PM	30 min Avg	0.005	30 min Avg	0.005	0.036	0.044
N	2:00 PM	30 min Avg	0.006	30 min Avg	0.009	0.037	0.045
NNW	2:30 PM	30 min Avg	0.035	30 min Avg	0.01	0.066	0.074
N	3:00 PM	30 min Avg	0.022	30 min Avg	0.036	0.053	0.061
N	3:30 PM	30 min Avg	0.018	30 min Avg	0.002	0.049	0.057
N	4:00 PM	30 min Avg	0.006	30 min Avg	0.03	0.037	0.045
N	4:30 PM	30 min Avg	0.011	30 min Avg	0.011	0.042	0.050
N	5:00 PM	30 min Avg	0	30 min Avg	0.016	0.031	0.039
	5:30 PM	30 min Avg		30 min Avg			

E-BAM locations (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

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: All work ended at 4:30 for the weekend.

Notes:

All readings in mg/m³

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