# APPENDIX E

## Acrolein Field Log Sheets

# CANISTER FIELD LOG SHEET

Project: Acrolein Ambient Air Monitoring In Kern County

Start Flow Set: 18 to 16ccm End Vacuum Criteria: -13 to -5"Hg

| Log # | Sample Name | Sampler ID Number | Date & Time Entry Example (6/14/07 13:42) Start | End | Elapsed Time In Hours:Mins | Canister Vacuum Display Start | End | Mass Flow Meter Display Start | End | Corrected Average Flow | Comment Number | Weather K,P,C,F&R Start | End |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001E | 0E-B | 2 | 7/24/07 11:21 | 7/24/07 15:26 | 4:05:00 | 30.0 | 9.0 | 15.1 | 12.7 | 14.7 | | K | P |
| 002E | 0E-FS | 1 | 7/24/07 11:21 | 7/24/07 14:27 | 3:06:00 | 19.0 | 7.0 | 14.5 | 8.8 | 12.4 | | K | P |
| 003E | TS | N.A. | 7/24/07 18:23 | N.A. | N.A. | 20.5 | N.A. | N.A. | N.A. | N.A. | | K | N.A. |
| 004E | 0E | 2 | 7/25/07 5:30 | 7/25/07 9:42 | 4:12:00 | 31.0 | 9.0 | 16.1 | 14.0 | 15.9 | | K | K |
| 005E | 0E-C | 1 | 7/25/07 5:30 | 7/25/07 9:42 | 4:12:00 | 31.0 | 10.0 | 16.1 | 13.8 | 15.8 | | K | K |
| 006E | 0.3E | 24 | 7/25/07 5:33 | 7/25/07 9:44 | 4:11:00 | 29.0 | 8.0 | 16.6 | 13.9 | 16.1 | | K | K |
| 007E | 0.3E-L | 18 | 7/25/07 5:34 | 7/25/07 9:46 | 4:12:00 | 31.0 | 11.0 | 16.1 | 14.1 | 15.9 | | K | K |
| 008E | 0.7E | 23 | 7/25/07 5:36 | 7/25/07 9:53 | 4:17:00 | 31.0 | 9.0 | 16.6 | 14.5 | 16.4 | | K | K |
| 009E | 1E | 16 | 7/25/07 5:38 | 7/25/07 9:53 | 4:15:00 | 30.0 | 8.0 | 16.5 | 14.2 | 16.2 | | K | K |
| 001W | 0W-B | 3 | 7/24/07 11:21 | 7/24/07 15:26 | 4:05:00 | 29.0 | 8.0 | 16.0 | 12.5 | 15.1 | | K | P |
| 002W | TB | N.A. | 7/24/07 18:23 | N.A. | N.A. | 31.0 | N.A. | N.A. | N.A. | N.A. | | K | N.A. |
| 003W | 0W | 3 | 7/25/07 5:30 | 7/25/07 9:40 | 4:10:00 | 30.0 | 9.0 | 17.1 | 13.7 | 16.3 | 1 | K | K |
| 004W | 0.3W | 21 | 7/25/07 5:32 | 7/25/07 9:44 | 4:12:00 | 30.0 | 9.0 | 16.5 | 13.4 | 15.8 | | K | K |
| 005W | 0.3W-L | 20 | 7/25/07 5:33 | 7/25/07 9:46 | 4:13:00 | 31.0 | 9.0 | 16.6 | 13.1 | 15.7 | | K | K |
| 006W | 0.7W | 19 | 7/25/07 5:36 | 7/25/07 9:52 | 4:16:00 | 31.0 | 10.0 | 16.8 | 14.0 | 16.3 | | K | K |
| 007W | 1W | 17 | 7/25/07 5:38 | 7/25/07 9:55 | 4:17:00 | 31.0 | 10.0 | 17.1 | 14.5 | 16.7 | | K | K |
| | | | | | 0:00:00 | | | | | | | | |
| | | | | | 0:00:00 | | | | | | | | |

Comments: 1 = At 5:20 found applicator had started applying at 5:10 despite us being told he would not start until 5:30. He stopped and restarted at 5:30. A total of 10 minutes were run without any sampling. The application was shut off at 8:30. We were notified around 15:20 on Monday, 7/23, that this was a 3 hour appplication instead of the originally agreed 4 hour application. As our Restek controllers, with the orifices installed, were not capable of 3 hour sampling we stayed witrh just over 4 hour sampling.

**MFM Used #:** 20005345 **Slope:** 1.014 **Intrcpt:** 0.635



Weather Codes: K = Clear, P = Partly Cloudy, C = ≥67% Cloudy, F = Fog, and R = Rain (any)

# CANISTER FIELD LOG SHEET

Project: Acrolein Ambient Air Monitoring In Kern County

Start Flow Set: 18 to 16ccm  End Vacuum Criteria: -13 to -5"Hg

| Log # | Sample Name | Sampler ID Number | Date & Time Entry Example (6/14/07 13:42) | | Elapsed Time In | Canister Vacuum Display | | Mass Flow Meter Display | | Corrected Average Flow | Comment Number | Weather K,P,C,F&R | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Start | End | Hours:Mins | Start | End | Start | End | | | Start | End |
| 010E | 3.5E | 5 | 7/25/07 7:45 | 7/25/07 12:00 | 4:15:00 | 30.0 | 9.0 | 14.5 | 14.5 | 17.2 | 1 & 2 | K | K |
| 011E | 3.5E-C | 8 | 7/25/07 7:46 | 7/25/07 12:01 | 4:15:00 | 29.0 | 9.0 | 14.7 | 14.0 | 17.1 | | K | K |
| 012E | 3.8E | 7 | 7/25/07 7:48 | 7/25/07 12:05 | 4:17:00 | 30.0 | 8.5 | 15.6 | 11.6 | 16.3 | | K | K |
| 013E | 4.2E | 11 | 7/25/07 7:51 | 7/25/07 12:10 | 4:19:00 | 30.0 | 9.0 | 14.1 | 11.8 | 15.6 | | K | K |
| 014E | 4.5E | 9 | 7/25/07 7:54 | 7/25/07 12:15 | 4:21:00 | 30.0 | 9.0 | 14.7 | 11.9 | 16.0 | 3 | K | K |
| 010W | 3.5W | 4 | 7/25/07 7:45 | 7/25/07 12:00 | 4:15:00 | 30.0 | 8.0 | 15.5 | 12.6 | 16.8 | 4 | K | K |
| 011W | 3.8W | 13 | 7/25/07 7:48 | 7/25/07 12:05 | 4:17:00 | 30.0 | 8.0 | 15.0 | 12.3 | 16.4 | | K | K |
| 012W | 4.2W | 14 | 7/25/07 7:51 | 7/25/07 12:10 | 4:19:00 | 29.0 | 8.0 | 14.5 | 12.2 | 16.1 | | K | K |
| 013W | 4.5W | 12 | 7/25/07 7:54 | 7/25/07 12:15 | 4:21:00 | 30.0 | 8.0 | 15.0 | 12.1 | 16.3 | | K | K |
| | | | | | 0:00:00 | | | | | | | | |

Comments:

1 = Immediately after starting the first samplers 6 diesel tractors drove by. In total greater than 20 diesel tractors drove by the 3.5E & W sites during the sampling period.

2 = The calculated arrival of the acrolein plume was approximately 07:45. Baker Petrolite staff were to notify us when their samples of the water showed the acrolein had arrived. However, as they were running behind I had the ARB staff start the samplers at 07:45. Baker Petrolite's first sample taken around 07:57 showed a weak positive. Their 2nd sample was also weak, but their 3rd sample taken around 08:10 was a strong positive.

3 = All times on the hand entered log sheets are in PDST instead of PST. On this electronic log sheet the times have been corrected to PST.

4 = There are no log entries 008W nor 009W.

**MFM Used #:** 20005346  **Slope:** 1.008  **Intrcpt:** 2.594



Weather Codes: K = Clear, P = Partly Cloudy, C = ≥67% Cloudy, F = Fog, and R = Rain (any)

# CANISTER FIELD LOG SHEET

Project: Acrolein Ambient Air Monitoring In Kern County

Start Flow Set: 16 to 15ccm End vacuum Criteria: -13 to -5"Hg

| Log # | Sample Name | Sampler ID Number | Date & Time Entry Example (6/14/07 13:42) Start | Date & Time End | Canister Vacuum Display Start | Canister Vacuum Display End | Mass Flow Meter Display Start | Mass Flow Meter Display End | Corrected Average Flow | Comment Number | Weather K,P,C,F&R Start | Weather End | Initials Start | Initials End |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001E | OE-B | 2 | 7/24/07 1121 | 7/24/07 1526 | -30 | -9 | 15.1 | 12.7 | | | K | P | JRR | JMC |
| 002E | OE-B-ES | 1 | 7/24/07 1121 | 7/24/07 1427 | -19 | -7 | 14.5 | 8.8 | | | K | P | JRR | JRR |
| 003E | TS | NA. | 7/24/07 18:23 | NA. | -20.5 | NA. | NA | NA | | | K | NA | JRR | NA |
| 004E | OE | 2 | 7/25/07 0530 | 7/25/07 0942 | <-30 | -9 | 16.1 | 0900 14.0 | | | K | K | JC | JMC |
| 005E | OE-C | 1 | 7/25/07 0530 | 7/25/07 0942 | <-30 | -10 | 16.1 | 0900 13.8 | | | K | K | JC | JMC |
| 006E | 0.3E | 24 | 7/25/07 0533 | 7/25/07 0944 | -29 | -8 | 16.6 | 0903 13.9 | | | K | K | JMC | JMC |
| 007E | 0.3E-L | 18 | 7/25/07 0534 | 7/25/07 0946 | <-30 | -11 | 16.1 | 0904 14.1 | | | K | K | JMC | JMC |
| 008E | 0.7E | 23 | 7/25/07 0536 | 7/25/07 0953 | <-30 | -9 | 16.6 | 0908 14.5 | | | K | K | JRR | JMC |
| 009E | 1.0E | 16 | 7/25/07 0538 | 7/25/07 09:55 | -30 | -8 | 16.5 | 0909 14.2 | | | K | K | JMC | JMC |

MFM Used #: 20005345 Slope: 1.014 Intrcpt: 0.635

Section 0-1 East Side

Weather Codes: K = Clear, P = Partly Cloudy, C = ≥67% Cloudy, F = Fog and R = Rain (any)

# CANISTER FIELD LOG SHEET

Project: Acrolein Ambient Air Monitoring In Kern County

Start Flow Set: 16 to 15ccm End Vacuum Criteria: -13 to -5"Hg

| Log # | Sample Name | Sampler ID Number | Date & Time Entry Example (6/14/07 13:42) Start | End | Canister Vacuum Display Start | End | Mass Flow Meter Display Start | End | Corrected Average Flow | Comment Number | Weather K,P,C,F&R Start | End | Initials Start | End |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001W | OW-B | 3 | 7/24/07 11:21 | 7/24/07 1526 | -29 | -8 | 16.0 | 12.5 | | | K | P | JRR | JRR |
| 002W | TB | NA | 7/24/07 1823 | NA | <-30 | NA | NA | NA | NA | | K | NA | JRR | NA |
| 003W | OW | 3 | 7/25/07 05:30 | 7/25/07 09:40 | -30 | -9 | 17.1 | 0923 13.7 | 1 | | K | K | JRR | JRR |
| 004W | 0.3W | 21 | 7/25/07 05:32 | 7/25/07 09:44 | -30 | -9 | 16.5 | 0920 13.4 | | | K | K | JRR | JRR |
| 005W | 0.3WL | 20 | 7/25/07 05:33 | 7/25/07 09:46 | <-30 | -9 | 16.6 | 0919 13.1 | | | K | K | JRR | JRR |
| 006W | 0.7W | 19 | 7/25/07 05:36 | 7/25/07 09:52 | <-30 | -10 | 16.8 | 0915 14.0 | | | K | K | JRR | JRR |
| 007W | 1W | 17 | 7/25/07 05:38 | 7/25/07 09:55 | <-30 | -10 | 17.1 | 0913 14.3 | | | K | K | JRR | JRR |

MFM Used #: 26005345 Slope: 1.014 Intrcpt: 0.635



Section 0-1 West Side

Weather Codes: K = Clear, P = Partly Cloudy, C = ≥67% Cloudy, F = Fog, and R = Rain (any)

# CANISTER FIELD LOG SHEET

Project: Acrolein Ambient Air Monitoring In Kern County

Start Flow Set: 16 to 15ccm End Vacuum Criteria: -13 to -5"Hg

| Log # | Sample Name | Sampler ID Number | Date & Time Entry Example (6/14/07 13:42) Start | Date & Time End | Canister Vacuum Display Start | Canister Vacuum Display End | Mass Flow Meter Display Start | Mass Flow Meter Display End | Corrected Average Flow | Comment Number | Weather K,P,C,F&R Start | Weather End | Initials Start | Initials End |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 010E | 3.5 E | 5 | 7/25 845 | 7/25 100 | -30 | -9 | 14.5 | ~~16.0~~ 14.5 | | 1+2 | | | | |
| 011E | 3.5 E-C | 8 | 7/25 840 | 7/25 101 | -29 | -9 | 14.7 | 14.0 | | | | | | |
| 012E | 3.8 E | 7 | 7/25 848 | 7/25 105 | -30 | -8.5 | 15.6 | 11.~~8~~6 | | | | | | |
| 013E | 4.2E | 11 | 7/25 851 | 7/25 110 | -30 | -9 | 14.1 | 11.8 | | | | | | |
| 014E | 4.5E | 9 | 7/25 854 | 7/25 115 | -30 | -9 | 14.7 | 11.9 | | 3 | | | | |

MFM Used #: 20005346 Slope: 1.008 Intrcpt: +2.592



Section 3.5-4.5 East Side

Weather Codes: K = Clear, P = Partly Cloudy, C = ≥67% Cloudy, F = Fog, and R = Rain (any)

# CANISTER FIELD LOG SHEET

Project: Acrolein Ambient Air Monitoring In Kern County

Start Flow Set: 16 to 15ccm End Vacuum Criteria: -13 to -5"Hg

7/20/07 13:15 SR

| Log # | Sample Name | Sampler ID Number | Date & Time Entry Example (6/14/07 13:42) Start | Date & Time End | Canister Vacuum Display Start | Canister Vacuum Display End | Mass Flow Meter Display Start | Mass Flow Meter Display End | Corrected Average Flow | Comment Number | Weather K,P,C,F&R Start | Weather K,P,C,F&R End | Initials Start | Initials End |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 010W | 3.5W | 4 | 7/25 8:46AM | 1:00pm | -30 | -8 | 15.45 | 12.6 | | 1 | | | | |
| 011W | 3.8W | 13 | 7/25 8:48 | 1:05pm | -30 | -8 | 15 | 12.3 | | | | | | |
| 012W | 4.2W | 14 | 7/25 8:51 | 1:10pm | -29 | -8 | 14.5 | 12.2 | | | | | | |
| 013W | 4.5W | 12 | 7/25 8:54 | 1:15pm | -30 | -8 | 15 | 12.1 | | 2 | | | | |

MFM Used #: 20005346 Slope: 1.008 Intrcpt: +2.594



Section 3.5-4.5 West Side

Weather Codes: K = Clear, P = Partly Cloudy, C = ≥67% Cloudy, F = Fog, and R = Rain (any)