

## Title V Permit Evaluation

**Site Number:** 606

**Site Name:** Anheuser-Busch

**Periodic Monitoring:**

NOx and CO Sources

| S-# | Description |
|-----|-------------|
| S-1 | Boiler      |
| S-2 | Boiler      |
| S-3 | Boiler      |

VOC Sources

| S-#  | Description   |              |     |               |
|------|---|--------------|-----|---------------|
| S-15 | Mash Cooker #1                                      | Custom Built |     | 18.5 ton/hr   |
| S-16 | Mash Cooker #2                                      | Custom Built |     | 18.5 ton/hr   |
| S-18 | Strainmaster/Spent Grain Tank                       | Custom Built |     | 18.5 ton/hr   |
| S-20 | Brew Holding Kettle                                 | Custom Built |     | 10,850 gal/hr |
| S-21 | Brew Kettle   | Custom Built |     | 21,700 gal/hr |
| S-22 | Hops Strainer                                       | Barry Blower | 165 | 21,700 gal/hr |
| S-23 | Hot Wort Tank                                       | Barry Blower | 165 | 21,700 gal/hr |
| S-24 | Wort Aerator /Cooler #1                             | Custom Built |     | 10,850 gal/hr |
| S-25 | Wort Aerator /Cooler #1                             | Custom Built |     | 10,850 gal/hr |
| S-41 | Chip Washers 1 through 4                            | Debothelat   |     | 0.375 ton/hr  |
| S-52 | Keg Washer  | Axial        |     | 500 Kegs/hr   |
| S-60 | Still Feed Tank                                     |              |     | 10,000 gal    |
| S-61 | Alcohol Distillation Degasser                       |              |     | 57 gal/hr     |
| S-62 | Alcohol Distillation Column                         |              |     | 57 gal/hr     |
| S-63 | Alcohol Distillation Column<br>Condenser            |              |     | 57 gal/hr     |
| S-64 | Alcohol Distillation Rectifying<br>Column           |              |     | 57 gal/hr     |
| S-65 | Alcohol Distillation Rectifying<br>Column Condenser |              |     | 57 gal/hr     |
| S-66 | Alcohol Day Tank #1                                 |              |     | 1500 gal      |

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| S-#   | Description                   |                       |        |              |
|-------|-------------------------------|-----------------------|--------|--------------|
| S-67  | Alcohol Day Tank #2           |                       |        | 1500 gal     |
| S-68  | Alcohol Storage Tank #1       |                       |        | 15000 gal    |
| S-69  | Alcohol Storage Tank #2       |                       |        | 15000 gal    |
| S-70  | Alcohol Storage Tank #1       |                       |        | 3200 gal     |
| S-71  | Alcohol Storage Tank #2       |                       |        | 3200 gal     |
| S-75  | Can Coder, Line 40            | Videojet Excel Series | 170I   | 1 liter      |
| S-76  | Can Coder, Line 40            | Videojet Excel Series | 170I   | 1 liter      |
| S-77  | Can Coder, Line 50            | Videojet Excel Series | 170I   | 1 liter      |
| S-78  | Can Coder, Line 50            | Videojet Excel Series | 170I   | 1 liter      |
| S-86  | Case Coder, Line 50           | Marsh                 | LCP/1  | 1 liter      |
| S-97  | Mash Cooker #3                | Barry-Blower          | 222    | 77.7 tons/hr |
| S-98  | Mash Cooker #4                | Barry-Blower          | 222    | 77.7 tons/hr |
| S-120 | Case Coder, Line 40           | Marsh                 | LCP/1  | 1 liter      |
| S-121 | Case Coder, Line 10           | Marsh                 | LCP/1  | 1 liter      |
| S-122 | Insecticide Fogging Operation | Entech                |        |              |
| S-124 | Alpha Fermentation Tanks      | Custom Built          |        | 0.18 MM Gal  |
| S-128 | Case Coder, Line 50/51        | Marsh                 | LCP/1  |              |
| S-132 | Label Coder, Line 90          | Videojet              | III    | 1 liter      |
| S-133 | Label Coder, Line 90          | Videojet              | III    | 1 liter      |
| S-135 | Railcar Fumigation Venting    | Spencer               | SA-407 |              |
| S-138 | Case Coder, Line 20           | Marsh                 | LCP/1  | 1 liter      |
| S-139 | Alcohol Loading Station       | Custom Built          |        |              |

Based on testing done at this facility by Powers Engineering of San Diego, CA., on January 6 & 7, 1999, (in anticipation of compliance with the District's proposed Regulation 8-52, Emissions from Expanded Polystyrene Operations) Wincup is in compliance with Regulation 8 Rule 2 which requires emissions of total carbon (dry basis) be less than 15 lb/day and 300 ppm. VOC emissions from sources 11 through 15 Pre-Expanders are an order of magnitude below 300 ppm after abatement by the S-1 and S-2 Boilers. Source 4 through 7 Foam Cup Molding Lines are unabated, but VOC measurements at the ceiling vents indicate that VOC concentrations are an order of magnitude lower than 300 ppm. Since the margin of compliance between 300 ppm and the actual concentrations measured are an order of magnitude, the need for continuous monitoring is precluded.

Adequate recordkeeping requirements are in place for the boilers, expanders, coating and solvent cleaning sources at the facility to monitor the NOx and VOC emissions from these sources, per

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requirements by the Regulations 8-4-501 and 8-16-501, and per existing permit conditions. No additional monitoring is recommended.

### **Permit Shield:**

No permit shield was requested.

### **MACT:**

This facility is subject to MACT Requirements, Section 112

### **Alternate Operating Scenario:**

No alternate operating scenario was requested.

### **Compliance Status:**

There are currently no sources out of compliance.