8. The Scrubber/Absorber System is subject to the following requirements:

   A. The sulfur dioxide (SO_2) and sulfur trioxide (SO_3) removal efficiency shall be at least 90 percent on an hourly average.

   B. The VOC removal efficiency shall be at least 90 percent on an hourly average.

   C. After the first satisfactory stack test, the minimum liquid flow to the absorber shall be at least equal to that maintained during any satisfactory 3 hours of sampling in the last satisfactory stack test. The circulation rate shall be monitored and recorded at least once an hour.

   D. After the first satisfactory stack test, the maximum absorber exhaust temperature shall be no greater than the average temperature maintained during any satisfactory 3 hours of sampling in the last satisfactory stack test. The exhaust temperature may be allowed to increase up to 10°F above that value if satisfactory removal efficiency and emission rates are demonstrated at the higher temperature by using a computer simulation to ratio stack test results to the higher temperature.

   E. The holder of this permit shall install and maintain a continuous temperature monitor for the scrubber exhaust. The temperature shall be recorded at least every six minutes as six minute averages. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, or at least annually, whichever is more frequent, and shall be accurate to within 2 percent of the reading or 2.5°Celsius.

   F. Quality assured (or valid) temperature data must be generated when the Scrubber/Absorber System is operating. Loss of valid data due to periods of monitor break down, out-of-control operation (producing inaccurate data), repair, maintenance, or calibration may be exempted provided it does not exceed 5 percent of the time (in hours) that the Scrubber/Absorber System operated over the previous rolling 12-month period. The measurements missed shall be estimated using engineering judgement and the methods used recorded.
   [Deleted "except during the performance of the calibration requirements of Special Condition Number 8E". This calibration must be done within the 5 percent of the time which the condition specifies.]

   G. After the first satisfactory stack test, the scrubbing solution pH shall be at or

above the average pH maintained during any satisfactory 3 hours of sampling in the last last satisfactory stack test. The pH shall be continuously analyzed and recorded at least once a minute. Each monitoring device shall be cleaned with an automatic cleaning system, or cleaned weekly using hydraulic, chemical, or mechanical cleaning. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, or at least weekly, whichever is more frequent, and shall be accurate to within + 0.5 pH unit.

H. Quality assured (or valid) pH data must be generated when the Scrubber/Absorber System is operating. Loss of valid data due to periods of monitor break down, out-of-
control operation (producing inaccurate data), repair, maintenance, or calibration may be exempted provided it does not exceed 5 percent of the time (in hours) that the Scrubber/Absorber System operated over the previous rolling 12-month period. The measurements missed shall be estimated using engineering judgement and the methods used recorded. **(04/06)**
[Deleted "except during the calibration requirements of Special Condition Number 8G". This calibration must be done within the 5 percent of the time which the condition specifies.]

SPECIAL CONDITIONS

Permit Number 56697

7. The Abatement System is subject to the following requirements:

   A. The VOC removal efficiency shall be at least 95 percent on an hourly average.

   B. After the first satisfactory stack test, the minimum liquid flow to the scrubber shall be at least equal to that maintained during any satisfactory 3 hours of sampling in the last satisfactory stack test. The circulation rate shall be monitored and recorded at least once an hour.

   ~~C. After the first satisfactory stack test, the absorber liquid specific gravity shall be at least equal to the average specific gravity maintained during any satisfactory 3 hours of sampling in the last stack test.~~
   [Deleted, because specific gravity will not be monitored.]

   C. After the first satisfactory stack test, the maximum scrubber exhaust temperature shall be no greater than the average temperature maintained during any satisfactory 3 hours of sampling in the last satisfactory stack test. The exhaust temperature may be allowed to increase up to 10°F above that value if satisfactory removal efficiency and emission rates are demonstrated at the higher temperature by using a computer simulation to ratio stack test results to the higher temperature. **[Renumbered to C.]**

   D. The holder of this permit shall install and maintain a continuous temperature monitor for the scrubber exhaust. The temperature shall be recorded at least every six minutes as six-minute averages. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, or at least annually, whichever is more frequent, and shall be accurate to within 2 percent of the reading or 2.5 degrees Celsius. **[Renumbered to D.]**

   E. Quality-assured (or valid) temperature data must be generated when the scrubber/absorber system is operating. Loss of valid data due to periods of monitor break down, out-of-control operation (producing inaccurate data), repair, maintenance, or calibration may be exempted provided it does not exceed 5 percent of the time (in hours) that the scrubber/absorber system operated over the previous rolling 12-month period. The measurements missed shall be estimated using engineering judgement and the methods used recorded. **(04/06)**
   [Deleted "except during the performance of the calibration requirements of Special Condition No. 7E". This calibration must be done within the 5

percent of the time which the condition specifies.] [Renumbered to E.]