

217/782-2113

CONSTRUCTION PERMIT

PERMITTEE

ITT Bell & Gossett
Attn: William Dempsey
8200 North Austin Avenue
Morton Grove, Illinois 60053

Application No.: 02070034

I.D. No.: 031195ABT

Applicant's Designation:

Date Received: July 10, 2002

Subject: Wastewater Evaporator

Date Issued: October 29, 2002

Location: 8200 North Austin Avenue, Morton Grove

Permit is hereby granted to the above-designated Permittee to CONSTRUCT emission source(s) and/or air pollution control equipment consisting of wastewater evaporator as described in the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special condition(s):

1. At all times, the Permittee shall to the extent practicable, maintain and operate the wastewater evaporator, in a manner consistent with good air pollution control practice for minimizing emissions.
2. The wastewater evaporator is subject to 35 IAC 218.301, which provides that no person shall cause or allow the discharge of more than 3.6 kg/hr (8 lb/hr) of organic material into the atmosphere from any emission unit, except as provided in 35 IAC 218.302 and with the following exception: if no odor nuisance exists the limitation shall apply only to photochemically reactive material.
- 3a. Natural gas shall be the only fuel burned in the wastewater evaporator.
 - b. The maximum firing rate for the wastewater evaporator shall not exceed 1.0 million BTU/hr.
4. Throughput of wastewater for the evaporator shall not exceed 180 lb/hr and 780 tons/yr.
- 5a.
 - i. Volatile organic material (VOM) emissions from the wastewater evaporator shall not exceed 0.5 tons/mo and 5.15 tons/yr. Compliance with this limit shall be determined assuming that all VOM in wastewater processed by the evaporator is lost to the atmosphere as emissions.
 - ii. Compliance with these annual limits shall be determined from a running total of 12 months of data.

- b. This permit is issued based on negligible emissions of nitrogen oxides, particulate matter, and carbon monoxides from the wastewater evaporator. For this purpose, emissions of these pollutants each shall not exceed emission rates of 0.1 lb/hour and 0.44 ton/year.
- 6a. This permit is issued based on this project not constituting a major modification subject to Major Stationary Sources Construction and Modification (MSSCAM) 35 IAC Part 203, because the net increase in VOM emissions is not significant as explained in Attachment 1.
- b. Upon startup of new equipment, total VOM emissions from the coating operations shall not exceed 10.0 tons/month and 63.0 tons/year including the trickle varnish operation. This limit supersedes the limitation established in Construction Permit 00060071.
- c. Upon startup of new equipment, the amount of VOM in coatings and cleanup solvent used at the source shall not exceed 10.0 tons/month and 63.0 tons/year.
- 7a. The Permittee shall keep a file:
 - i. Documenting the evaporator's rated maximum firing rate and wastewater processing capacity.
 - ii. Containing calculations for the maximum hourly organic material emission rate from the evaporator.
- b. The Permittee shall keep records of the throughput and VOM content of wastewater processed through the evaporator section of the evaporator unit.
- c. The Permittee shall keep records of the VOM emissions in tons/month and tons/year with supporting calculations.
- d. The Permittee shall maintain logs of inspection, maintenance, and repairs for the evaporator to demonstrate good air pollution control practice.
- 8. All records and logs required by this permit shall be retained at a readily accessible location at the source for at least five years from the date of entry and shall be made available for inspection and copying by the Illinois EPA upon request. Any records retained in electronic form (e.g. computer) shall be capable of being retrieved and printed on paper during normal source office hours so as to be able to respond to an Illinois EPA request for records during the course of a source inspection.
- 9. The Permittee shall promptly notify the Illinois EPA, of noncompliance with the permit requirements. Reports shall describe the probable cause of such deviations and any corrective actions or preventive measures taken.

10. Two copies of required reports and notifications concerning equipment operation or repairs, performance testing, or a continuous monitoring system shall be sent to:

Illinois Environmental Protection Agency
Division of Air Pollution Control - Regional Office
9511 West Harrison
Des Plaines, Illinois 60016

Illinois Environmental Protection Agency
Division of Air Pollution Control
Compliance Section (#40)
P.O. Box 19276
Springfield, Illinois 67294-9276

11. This permit is issued based on the source not being a major source for hazardous air pollutants (HAPs) and not being subject to 40 CFR 63 Subpart M- National Emission Standards for Hazardous Air Pollutants: Surface Coating of Miscellaneous Metal Parts and Products.
12. This permit does not relax any requirements contained in the CAAPP Permit 96030036 for overall source conditions and units other than the evaporator, including any associated requirements for monitoring, recordkeeping, or reporting.
13. The Permittee may operate the wastewater evaporator under this construction permit until its CAAPP permit is revised.

If you have any questions on this, please call Kaushal Desai at 217/782-2113.

Donald E. Sutton, P.E.
Manager, Permit Section
Division of Air Pollution Control

DES:KKD:psj

cc: Region 1

Attachment 1 - NSR Applicability
Net VOM Emissions Increase Determination

Table 1
Emissions Increases Associated With The Proposed Modification

	<u>VOM (Tons/Year)</u>
Wastewater Evaporator	5.15

Table 2
Contemporaneous VOM Increases

<u>Emission Unit</u>	<u>Permit</u>	<u>VOM (Ton/Yr)</u>
Paint Area 9	98120083	0.09
Trickle Varnish Operation	00020047	0.90
Facility-Wide Coating Increase ¹	00060071	<u>18.48</u>
	Total	19.47

Table 3
Contemporaneous VOM Decreases

<u>Emission Unit</u>	<u>VOM (Ton/Yr)</u>
Shutdown of Varnish Dip Tank VDT2	0.70
	Total 0.70

Table 4
Net VOM Emission Increase

Proposed Modification	<u>5.15</u>
Contemporaneous Increases	19.47
<u>Contemporaneous Decreases</u>	<u>- 0.70</u>
Net Change in Emissions	+ 23.92

1: In conjunction with this project, the allowed increase in VOM emissions from 00060071 has been revised to be only 19.38 tons/year rather than 24.43 tons/year (42.78 to 62.16 rather than 42.78 to 67.21)

KKD:psj