

217/782-2113

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT

PERMITTEE

A. O. Smith Engineered Storage Products Co.
Attn: Joe S. Wright
345 Harvestore Drive
DeKalb, Illinois 60115-9607

Application No.: 73120098

I.D. No.: 037803AAF

Applicant's Designation: FESOP

Date Received: September 8, 1998

Subject: Harvestore Facility

Date Issued: January 3, 2000

Expiration Date: January 3, 2005

Location: 345 Harvestore Drive, DeKalb

This permit is hereby granted to the above-designated Permittee to OPERATE emission unit(s) and/or air pollution control equipment consisting of "A" coat spray booths, "B" coat hand spray booths with dust collectors, "B" coat automatic spray booths with dust collectors, White coat spray booth, "C" coat spray booths with dust collectors, decal spray booths, firing furnace, mill room, flowcoat station, trough dip tank, small parts spray booth, large parts spray booth, paint burn-off oven, sheet cleaning steel blast, and boilers pursuant to the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special condition(s):

- 1a. This federally enforceable state operating permit is issued to limit the emissions of air pollutants from the source to less than major source thresholds (i.e., 100 tons per year of PM-10, 100 tons per year of VOM, and 10/25 tons per year of HAPs). As a result the source is excluded from the requirement to obtain a Clean Air Act Permit Program (CAAPP) permit. The maximum emissions of this source, as limited by the conditions of this permit, are described in Attachment A.
- b. Prior to issuance, a draft of this permit has undergone a public notice and comment period.
- c. This permit supersedes all operating permits issued for this location.
2. Emissions of volatile organic material from this source shall not exceed 25 tons per year in the absence of control equipment. This condition is required to meet the exemption limit specified in 35 Ill. Adm. Code 215.206(a).
3. The emissions of Hazardous Air Pollutants (HAPs) as listed in Section 112(b) of the Clean Air Act shall not equal or exceed 10 tons per year of any single HAP or 25 tons per year of any combination of such HAPs,

or such lesser quantity as USEPA may establish in rule which would require the Permittee to obtain a CAAPP permit from the Illinois EPA. As a result of this condition, this permit is issued based on the emissions of any HAP from this source not triggering the requirement to obtain a CAAPP permit from the Illinois EPA.

- 4a. The Permittee shall maintain and record the following data on at least a monthly basis:
 - i. Production (lb/month)
 - ii. VOM and HAP usage (ton/month and ton/year)
 - iii. Particulate matter-10 emissions (tons/month and tons/year)
 - iv. VOM and HAP emissions (tons/month and tons/year)
- b. All records and logs required by this permit shall be retained at a readily accessible location at the source for at least three years from the date of entry and shall be made available for inspection and copying by the Illinois EPA or USEPA upon request. Any records retained in an electronic format (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 or USEPA request for records during the course of a source inspection.
5. If there is an exceedance of the requirements of this permit as determined by the records required by this permit, the Permittee shall submit a report to the Illinois EPA's Compliance Section in Springfield, Illinois within 30 days after the exceedance. The report shall include the emissions released in accordance with the recordkeeping requirements, a copy of the relevant records, and a description of the exceedance or violation and efforts to reduce emissions and future occurrences.
6. All reports, notifications, etc., required by this permit shall be sent to:

Illinois Environmental Protection Agency
Division of Air Pollution Control
Compliance Section (#40)
P.O. Box 19276
Springfield, Illinois 62794-9276

and

Illinois Environmental Protection Agency
Division of Air Pollution Control
5415 North University
Peoria, Illinois 61614

7. The Permittee shall submit the following additional information with the Annual Emission Report, due May 1st of each year: production data and emissions. If there have been no exceedance during the prior calendar year, the Annual Emission Report shall include a statement to that effect.

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

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

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cc: Illinois EPA, FOS Region 1
Illinois EPA, Compliance Section
USEPA

Attachment A - Emission Summary

This attachment provides a summary of the maximum emissions from the manufacturing plant operating in compliance with the requirements of this federally enforceable permit. In preparing this summary, the Illinois EPA used the annual operating scenario which results in maximum emissions from such a plant. The resulting maximum emissions are well below the levels, e.g., 100 tons per year of PM-10, 10 and 25 tons per year of HAPs at which this source would be considered a major source for purposes of the Clean Air Act Permit Program. Actual emissions from this source will be less than predicted in this summary to the extent that less material is handled and control measures are more effective than required in this permit.

1. <u>Source</u>	<u>VOC</u>	<u>CO</u>	<u>NO_x</u>	<u>PM₁₀</u>
Bag Unloading Station	0.00	0.00	0.00	Neg.
A Coat Mill	0.00	0.00	0.00	Neg.
A Coat Spray Booths	0.00	0.00	0.00	1.28
B Coat Mill	0.00	0.00	0.00	Neg.
B Coat Hand Spray Booths	0.00	0.00	0.00	5.47
B Coat Auto Down Draft Spray Booth	0.00	0.00	0.00	43.36
B Coat Dryer	0.17	0.92	4.38	0.53
White Coat Mill	0.00	0.00	0.00	Neg.
White Glass Spray Booth (Coat A)	0.00	0.00	0.00	13.55
97 White Mill	0.00	0.00	0.00	Neg.
C Coat Mixing Tanks	0.00	0.00	0.00	Neg.
C Coat Spray Booth - Colors	0.00	0.00	0.00	7.64
C Coat Dryer	0.17	0.92	4.38	0.53
Decal Mill	0.00	0.00	0.00	Neg.
Decal Spray Booth	0.00	0.00	0.00	0.18
Boiler 1	0.20	2.58	10.30	1.01
Boiler 2	0.20	2.58	10.30	1.01
Furnace #24, Natural Gas	0.34	4.29	17.17	1.68
Furnace #25, Particulate	0.00	0.00	0.00	0.20
Bake Oven #85	0.03	0.18	0.88	0.11
Sheet Cleaning Steel Blast	0.00	0.00	0.00	1.89
Paint Burn Off Oven	0.04	0.22	1.05	0.13
Welding Units	0.00	0.00	0.00	0.15
S.S. Welding	0.00	0.00	0.00	0.01
Miscellaneous Welding	0.00	0.00	0.00	0.11
Flowcoat Station	3.77	0.00	0.00	Neg.
Trough Dip Tank	7.53	0.00	0.00	Neg.
2 Spray Booths - Large Parts and Small In Line	10.20	0.00	0.00	7.45
Spray Booth - Gun Cleaning	1.40	0.00	0.00	Neg.
<u>Thermal Arc Spray System</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.45</u>
Totals	24.05	11.69	48.46	86.74

Neg. - PM emissions are greater than 10 micron. PM-10 is insignificant.

2. As a consequence of the requirements of this permit, the emissions of hazardous air pollutants (HAP) as listed in Section 112(b) of the Clean Air Act from this source will be less than 10 tons/year of any single HAP and 25 tons/year of any combination of such HAPs so that HAP emissions do not trigger the requirements to obtain a Clean Air Act Permit Program permit from the Illinois EPA.

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