

9 December 2002

Mr. Eric Stager
Engineering Services Manager
UMICORE INDIUM PRODUCTS
50 Sims Avenue
Providence, RI 02909

Dear Mr. Stager:

The Department of Environmental Management, Office of Air Resources, has reviewed and approved your application for the installation of process equipment at your 50 Sims Avenue, Providence facility.

Enclosed is a minor source permit issued pursuant to our review of your application (Approval No. 1728-1732).

If there are any questions concerning this permit, please contact me at (401) 222-2808, extension 7011.

Sincerely,

Douglas L. McVay
Associate Supervising Engineer
Office of Air Resources

cc: Providence Building Official
A. David Scarchilli – OccuHealth, Inc.

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR RESOURCES

MINOR SOURCE PERMIT

UMICORE INDIUM PRODUCTS

APPROVAL NOs. 1728-1732

Pursuant to the provisions of Air Pollution Control Regulation No. 9, this minor source permit is issued to:

Umicore Indium Products

For the following:

Installation & operation of five (5) gas fired metal melt pots served by a common ventilation system. The ventilation system consists of local exhaust hoods at each pot, connecting ducts, a centrifugal fan located outside the building and an exhaust stack. The exhaust stack shall be 43 ft in height.

Located at:

50 Sims Avenue, Providence

This permit shall be effective from the date of its issuance and shall remain in effect until revoked by or surrendered to the Department. This permit does not relieve *Umicore Indium Products* from compliance with applicable state and federal air pollution control rules and regulations. The design, construction and operation of this equipment shall be subject to the attached permit conditions and emission limitations.

Stephen Majkut, Chief
Office of Air Resources

Date of issuance

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR RESOURCES

Permit Conditions and Emission Limitations

Umicore Indium Products

APPROVAL NOs. 1728-1732

A. Emission Limitations

1. Visible emissions from the exhaust shall not exceed 10% opacity (six-minute average)
2. The total quantity of cadmium contained in cadmium-bearing melts shall not exceed 26,670 lbs per year (12-month rolling average).

B. Operating Requirements

1. The design of the ventilation system must meet the minimum requirements for exhaust volumes at each melt pot, as contained in the 23rd edition of the American Conference of Governmental Industrial Hygienists (ACGIH), Industrial Ventilation Manual.
2. At all times, including periods of startup, shutdown and malfunction, the owner/operator shall, to the extent practicable, maintain and operate the facility in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Office of Air Resources, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures and inspection of the source.

C. Recordkeeping and Reporting

1. The owner/operator shall, on a monthly basis, no later than 15 days after the first of the month, determine the total quantity of cadmium contained in cadmium-bearing melts for the previous 12 months. The owner/operator shall keep records of this determination and provide such records to the Office of Air Resources upon request.
2. The owner/operator shall notify the Office of Air Resources, in writing, within 30 days after the first of the month, whenever the total quantity of cadmium contained in cadmium-bearing melts exceeds 26,670 lbs for the previous 12 months.

3. The owner/operator shall notify the Office of Air Resources of any non-compliance with the terms of this permit, in writing, within 48 hours of the occurrence.
4. The owner/operator shall notify the Office of Air Resources in writing of any planned physical or operational change to any equipment covered under this approval that would:
 - a. Change the representation of the facility in the application.
 - b. Alter the applicability of any state or federal air pollution rules or regulations.
 - c. Result in the violation of any terms or conditions of this permit.
 - d. Qualify as a modification under APC Regulation No. 9.

Such notification shall include:

- Information describing the nature of the change.
- Information describing the effect of the change on the emission of any air contaminant.
- The scheduled completion date of the planned change.

Any change which may result in an increased emission rate of any air contaminant shall be subject to the approval of the Director.

5. All records required as a condition of this approval must be made available to the Office of Air Resources or its representative upon request. These records must be maintained for a minimum of three years after the date of each record.

D. Other Permit Conditions

1. The height of the discharge of the melt pot exhaust stack shall be at least 43 feet from the ground.
2. To the extent consistent with the requirements of this approval and applicable Federal and State laws, the facility shall be designed, constructed and operated in accordance with the representation of the facility in the permit application dated July 26, 2002.

3. Employees of the Office of Air Resources and its authorized representatives shall be allowed to enter the facility at all times for the purpose of inspecting any air pollution source, investigating any condition it believes may be causing air pollution or examining any records to be maintained by the Office of Air Resources.
4. The Office of Air Resources may reopen and revise this minor source permit if it determines that:
 - a. a material mistake was made in establishing the operating restriction in Condition A.2; or,
 - b. inaccurate emission factors were used in establishing the operating restriction in Condition A.2; or,
 - c. the minor source permit must be revised to ensure that emissions from this facility do not cause an increase in the ground level concentration of cadmium, at or beyond the property line, in exceedance of the Acceptable Ambient Level in Table I of Air Pollution Control Regulation No. 22.

Umicoreper.doc