



The State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES



Thomas S. Burack, Commissioner

EMAIL ONLY

August 31, 2016

Cheryl Blackwood
OSRAM SYLVANIA, Inc.
275 West Main Street
Hillsborough, NH 03244

**Subject: Hillsborough – OSRAM SYLVANIA, Inc., 275 West Main Street
DES Site #199304012, Project #4213**

Application for Groundwater Management Permit Renewal, prepared by EOS
Research, Ltd., dated March 30, 2016

Dear Ms. Blackwood:

Please find enclosed Groundwater Management Permit Number **GWP-199304012-H-005**, approved by the Department of Environmental Services (Department). This permit is issued for a period of 5 years to monitor the effects of past discharges of volatile organic compounds.

All monitoring summaries and all required sampling results shall be submitted to the Groundwater Management Permits Coordinator at the address below. All correspondence must contain a cover letter that clearly shows the Department identification number for the site (DES Site #199304012, Project #4213).

Should you have any questions, please contact me at the Waste Management Division.

Sincerely,

David C. Bowen, P.G.
Hazardous Waste Remediation Bureau
Tel: (603) 271-2800
Fax: (603) 271-2181
Email: david.bowen@des.nh.gov

ec: Ronald W. Gehl, P.E., EOS Research, Ltd.
Karlee Kenison, P.G., HWRB/NHDES
Attention Health Officer, Town of Hillsborough

DES Web Site: www.des.nh.gov

P.O. Box 95, 29 Hazen Drive, Concord, New Hampshire 03302-0095
Telephone: (603) 271-2908 Fax: (603) 271-2181 TDD Access: Relay NH 1-800-735-2964



The
NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES
hereby issues
GROUNDWATER MANAGEMENT PERMIT NO. GWP-199304012-H-005
to the permittee
OSRAM SYLVANIA, INC.
to monitor the past discharge of
Volatile Organic Compounds
at
OSRAM SYLVANIA, INC.
(275 West Main Street)
In HILLSBOROUGH, N.H.
via the groundwater monitoring system comprised of
22 monitoring wells & 2 surface water locations
as depicted on the Site Plan entitled
Monitoring Well and Recovery Point Locations
dated January 20, 2016, prepared by EOS Research, Ltd.

TO: ATTN: CHERYL BLACKWOOD
OSRAM SYLVANIA, INC.
275 WEST MAIN STREET
HILLSBOROUGH, NH 03244

Date of Issuance: August 31, 2016
Date of Expiration: August 30, 2021

Pursuant to authority in N.H. RSA 485-C:6-a, the New Hampshire Department of Environmental Services (Department), hereby grants this permit to monitor past discharges to the groundwater at the above described location for five years subject to the following conditions:

(continued)

STANDARD MANAGEMENT PERMIT CONDITIONS

1. The permittee shall not violate Ambient Groundwater Quality Standards adopted by the Department (N.H. Admin. Rules Env-Or 600) in groundwater outside the boundaries of the Groundwater Management Zone, as shown on the referenced site plan.
2. The permittee shall not cause groundwater degradation that results in a violation of surface water quality standards (N.H. Admin. Rules Env-Ws 1700) in any surface water body.
3. The permittee shall allow any authorized staff of the Department, or its agent, to enter the property covered by this permit for the purpose of collecting information, examining records, collecting samples, or undertaking other action associated with this permit.
4. The permittee shall apply for renewal of this permit prior to its expiration date but no more than 90 days prior to expiration.
5. This permit is transferable only upon written request to, and approval of, the Department. Compliance with the existing Permit shall be established prior to permit transfer. Transfer requests shall include the name and address of the person to whom the permit transfer is requested, signature of the current and future permittee, and a summary of all monitoring results to date.
6. The Department reserves the right, under N.H. Admin. Rules Env-Or 600, to require additional hydrogeologic studies and/or remedial measures if the Department receives information indicating the need for such work.
7. The permittee shall maintain a water quality monitoring program and submit monitoring results to the Department's Waste Management Division no later than 45 days after sampling. Samples shall be taken from monitoring wells and surface water sampling points as shown and labeled on the referenced site plan and listed on the following table in accordance with the schedule outlined herein:

Monitoring Locations	Sampling Frequency	Parameters
MW-1S, MW-1D, MW-2S, MW-3S, MW-4S, MW-5S, MW-6S, MW-7S, MW-7D, MW-8D, MW-9S, MW-9D, MW-10S, MW-10D, MW- 11D, MW-12S, MW-12D, MW-13S, MW-14D, MW- 15D, MW-16D, MW-17S. <i>Surface Water:</i> S-1 & S-2	April and December each year	NHDES Waste Management Division Full List of Analytes for Volatile Organics and Static Water Levels

Sampling shall be performed in accordance with the documents listed in Env-Or 610.02 (e). Samples shall be analyzed by a laboratory certified by the U.S. Environmental Protection Agency or the New Hampshire Department of Environmental Services pursuant to Env-C 300.

Summaries of water quality shall be submitted annually to the Department's Waste Management Division, in the month of February, using a format acceptable to the Department. The Summary Report shall include the information listed in Env-Or 607.04 (a), as applicable.

The Annual Summary Report shall be prepared and stamped by a professional engineer or professional geologist licensed in the State of New Hampshire.

8. Issuance of this permit is based on the Groundwater Management Permit Application dated March 30, 2016, and the historical documents found in the Department file DES #199304012. The Department may require additional hydrogeologic studies and/or remedial measures if invalid or inaccurate data are submitted.
9. Within 30 days of discovery of a violation of an ambient groundwater quality standard at or beyond the Groundwater Management Zone boundary, the permittee shall notify the Department in writing. Within 60 days of discovery, the permittee shall submit recommendations to correct the violation. The Department shall approve the recommendations if the Department determines that they will correct the violation.
10. All monitoring wells at the site shall be properly maintained and secured from unauthorized access or surface water infiltration.

SPECIAL CONDITIONS FOR THIS PERMIT

11. Recorded property within the Groundwater Management Zone includes the lots as listed and described in the following table:

Tax Map / Lot No.	Property Address	Owner Name and Address	Deed Reference (Book / Page)
11K/167-0 (merged with 168)	OSRAM SYLVANIA, Inc. (17.4 Acres)	Osram Sylvania, Inc. 275 West Main Street Hillsborough, NH 03244	5162/1104-1107
11K/169	OSRAM SYLVANIA, Inc.	Osram Sylvania, Inc. 275 West Main Street Hillsborough, NH 03244	5240/667-669
11K/330	276 West Main Street	Hingham Plaza, LLC 36 Washington St., Suite 340 Wellesley Hills, MA 02481	7493/386
11K/330-1	Town of Hillsborough Conservation Easement	Town of Hillsborough P.O. Box 7 Hillsborough, NH 03244	7185/1966
11K/332	258 West Main St.	258 West Main St. Hillsboro, LLC 9 Whittier Dr Bow, NH 03304	8693/1668
11K/333	248 West Main St.	Aubuchon Realty Co., Inc. 23 West Main Street Westminister, MA 01420	7342/0454
11K/334	246 West Main St.	Joyce E. Bosse 207 Bible Hill Road P.O. Box 11190 Hillsborough, NH 03244	6903/0338

12. The permittee shall update ownership information required by Env-Or 607.03(a)(20) for all properties within the Groundwater Management Zone prior to renewal of the permit or upon a recommendation for site closure.

13. FINANCIAL ASSURANCE

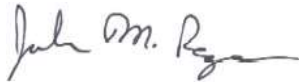
OSRAM SYLVANIA, Inc. must provide financial assurance in accordance with Env-Or 606.20 Financial Assurance.

Submit in February of each year, along with the Annual Summary Report, a detailed written estimate of the cost of hiring a third party to perform the remaining remedial tasks and an approved financial assurance mechanism to address these tasks.

14. PERFORMANCE STANDARDS

A periodic assessment of the performance of the remediation system shall be documented in the Annual Summary Report and submitted to the Department each February.

The effectiveness of the upper and lower sand aquifer groundwater treatment system shall be routinely evaluated via a trend analysis of the Volatile Organic Compound (VOC) levels utilizing analytical data collected in accordance with Condition No. 7 of this Permit. The hydraulic performance of the system shall be evaluated via a standard flow-net analysis to demonstrate that all groundwater flow lines that enter the upper and lower sand aquifer VOC source area(s) terminate at the respective recovery well.



John M. Regan, P.G., Administrator
Hazardous Waste Remediation Bureau
Waste Management Division

Any person aggrieved by any terms or conditions of this permit may appeal to the N.H. Waste Management Council ("Council") by filing an appeal that meets the requirements specified in RSA 21-O:14 and the rules adopted by the Council, Env-WMC 200. The appeal must be filed **directly with the Council within 30 days** of the date of this decision and must set forth fully **every ground** upon which it is claimed that the decision complained of is unlawful or unreasonable. Only those grounds set forth in the notice of appeal can be considered by the Council.

Information about the Council, including a link to the Council's rules, is available at <http://nhec.nh.gov/> (or more directly at <http://nhec.nh.gov/waste/index.htm>). Copies of the rules also are available from the DES Public Information Center at (603) 271-2975.

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