

AGENCY OF NATURAL RESOURCES
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
BUILDING MAIN-2
1 NATIONAL LIFE DRIVE
MONTPELIER, VERMONT 05620-3522

FACT SHEET

February 2014

DRAFT NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
PERMIT TO DISCHARGE TO WATERS OF THE UNITED STATES

FILE NO.: 11-20
NPDES NO.: VT0000442
PERMIT NO: 3-0017

NAME AND ADDRESS OF APPLICANT:

Isovolta, Inc.
PO Box 848
Rutland, VT 05702-0848

NAME AND ADDRESS OF FACILITY WHERE DISCHARGE OCCURS:

477 Windcrest Road
Rutland, VT

RECEIVING WATER: Cold River, Class B

I. Proposed Action, Type of Facility, and Discharge Location

The above named applicant applied for renewal of their existing discharge permit on January 21, 2014. The facility is engaged in a mica paper finishing operations. The discharge is from the permittee's process wastewater treatment facility to the Cold River.

The complete application, draft permit, and other information are on file and may be inspected at the VTDEC, Watershed Management Division, 1 National Life Drive, Montpelier, VT. Copies will be made at a cost based on the current Secretary of State Official Fee Schedule for Copying Public Records from 8:00 am to 4:30 pm, Monday through Friday. The draft permit may also be viewed on the Division's website at <http://www.anr.state.vt.us/dec/waterq/ww/html/notices.htm>

II. Description of Discharge

A quantitative description of the discharge in terms of significant effluent parameters is based upon state and federal laws and regulations and the permit application.

III. Limitations and Conditions

Effluent limitations and sampling frequencies included in this draft permit may be found on page 2 of the permit.

IV. Permit Basis and Explanation of Effluent Limitation Derivation

Isovolta, Inc. is currently permitted to discharge from their mica paper finishing operation to the Cold River, in Rutland, VT. Raw mica (a naturally occurring mineral) is received at the facility and undergoes a sizing and “pulping” process to produce a “mica slurry” which is then dried and produces a “mica paper”. No chemicals are added or used in this part of the manufacturing process. Mica papers, tapes, and wrappers etc. are used in the electrical industry.

The wastewater treatment system consists of the three settling lagoons. Lagoon 1 and Lagoon 2 are alternated and used to provide primary settling. These lagoons are typically cleaned each year. Piles of the removed mica are located adjacent to the lagoons. Lagoon 3 is used as a polishing lagoon. To aid in the settling processes, a polymer is added to the wastewater as it leaves the manufacturing building.

Having completed its review of the application, the Department has made a determination to issue a discharge permit for this discharge. Following is a discussion of the specific factors considered in the issuance of this amended permit.

Flow

Per the application, the draft permit contains a flow limitation is 1.5 mgd, monthly average, and 1.75 mgd, daily maximum. These limitations are unchanged from the current permit that currently authorizes this discharge. This facility has a continuous flow when the manufacturing process is in operation and daily flow monitoring is required.

Turbidity

The current permit contains a “Monitor Only requirement for turbidity. Sampling is required twice per month. The draft permit will maintain this monitoring requirement and sampling frequency.

Due to the light reflecting properties of mica, turbidity analyses conducted on this discharge are not representative of the actual discoloration of the discharge. Therefore the results of turbidity analyses cannot be considered valid and cannot be used to determine compliance with the Vermont Water Quality Standards. However, while the turbidity analyses conducted on this discharge cannot be used to determine compliance with the Vermont Water Standards, the turbidity results can be used to detect changes in the effluent quality.

pH

The pH limit of 6.5 to 8.5 SU, maximum day, is based on the Vermont Water Quality Standards effective December 30, 2011, and is unchanged from the current permit. Sampling is required twice per month.

Total Suspended Solids

The draft permit contains mass Total Suspended Solids limitations of 125 lbs/day, monthly average, and 167 lbs/day, daily maximum and concentration based TSS limitations of 15 mg/l, monthly average, and 20 mg/l, daily maximum. Sampling is required twice per month. These limitations and the sampling frequency are unchanged from the current permit. The effluent limitations have been based on the Agency’s best professional judgment. Specifically, if the

wastewater treatment system is properly operated and maintained, this system should reliably be able to produce an effluent that complies with these limitations.

VI. Procedures for Formulation of Final Determinations

The public comment period for receiving comments on this draft permit is from February 18, 2014 through March 20, 2014 during which time interested persons may submit their written views on the draft permit.

All written comments received by 4:30 PM on March 20, 2014 will be retained by the Department and considered in the formulation of the final determination to issue, deny or modify the draft permit. The period of comment may be extended at the discretion of the Department.

Written comments should be sent to:

Vermont Agency of Natural Resources
Department of Environmental Conservation
Watershed Management Division – Main 2
1 National Life Drive
Montpelier, VT 05620-3522

Comments may also be faxed to: 802-828-1544 or submitted by e-mail using the e-mail provisions included at <http://www.anr.state.vt.us/dec/waterq/ww/htm/notices.htm>

Any interested person or groups of persons may request or petition for a public hearing with respect to this draft permit. Any such request or petition for a public hearing shall be filed within the public comment period described above and shall indicate the interest of the party filing such request and the reasons why a hearing is warranted.

The Department will hold a hearing if there is significant public interest in holding such a hearing. Any public hearing brought in response to such a request or petition will be held in the geographical area of the proposed discharge or other appropriate area, at the discretion of the Department and may, as appropriate, consider related groups of draft permits. Any person may submit oral or written statements and data concerning the draft permit at the public hearing. The Department may establish reasonable limits on the time allowed for oral statements and may require the submission of statements in writing. All statements, comments, and data presented at the public hearing will be retained by the Department and considered in the formulation of the final determination to issue, deny, or modify the draft permit