

NPDES Permit No. IL0079014
Notice No. LRL:11030202.docx

Public Notice Beginning Date: **May 15, 2015**

Public Notice Ending Date: **June 15, 2015**

National Pollutant Discharge Elimination System (NPDES)
Permit Program

Draft New NPDES Permit to Discharge into Waters of the State

Public Notice/Fact Sheet Issued By:

Illinois Environmental Protection Agency
Bureau of Water
Division of Water Pollution Control
Permit Section
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276
217/782-0610

Name and Address of Discharger:
R.A. Cullinan & Sons, Inc.
121 West Perk Street
Tremont, Illinois 61568

Name and Address of Facility:
Farmdale CCDD Facility
22493 Farmdale Road
Farmdale, Illinois 61611
(Tazewell County)

The Illinois Environmental Protection Agency (IEPA) has made a tentative determination to issue a NPDES permit to discharge into the waters of the state and has prepared a draft permit and associated fact sheet for the above named discharger. The Public Notice period will begin and end on the dates indicated in the heading of this Public Notice/Fact Sheet. The last day comments will be received will be on the Public Notice period ending date unless a commentor demonstrating the need for additional time requests an extension to this comment period and the request is granted by the IEPA. Interested persons are invited to submit written comments on the draft permit to the IEPA at the above address. Commentors shall provide his or her name and address and the nature of the issues proposed to be raised and the evidence proposed to be presented with regards to those issues. Commentors may include a request for public hearing. Persons submitting comments and/or requests for public hearing shall also send a copy of such comments or requests to the permit applicant. The NPDES permit and notice number(s) must appear on each comment page.

The application, engineer's review notes including load limit calculations, Public Notice/Fact Sheet, draft permit, comments received, and other documents are available for inspection and may be copied at the IEPA between 9:30 a.m. and 3:30 p.m. Monday through Friday when scheduled by the interested person.

If written comments or requests indicate a significant degree of public interest in the draft permit, the permitting authority may, at its discretion, hold a public hearing. Public notice will be given 45 days before any public hearing. Response to comments will be provided when the final permit is issued. For further information, please call Leslie Lowry at 217/782-0610.

The applicant is engaged in reclamation of a former gravel pit using clean construction and demolition debris (SIC 1629). Plant operation results in an average discharge of 0.0319 MGD of stormwater runoff from outfall 001.

Application is made for the new discharge which is located in Tazewell County, Illinois. The following information identifies the discharge point, receiving stream and stream classifications:

| Outfall | Receiving Stream | Latitude | Longitude | Stream Classification | Integrity Rating |
|---------|------------------|-------------------|-----------------|-----------------------|------------------|
| 001 | Farm Creek | 40° 39' 56" North | 89° 31' 1" West | General Use | Not Rated |

To assist you further in identifying the location of the discharge please see the attached map.

The stream segment receiving the discharge from outfall 001 is on draft 2014 303(d) list of impaired waters and is not a biologically significant stream on the 2008 Illinois Department of Natural Resources Publication – *Integrating Multiple Taxa in a Biological Stream Rating System*.

The following parameters have been identified as the pollutants causing impairment:

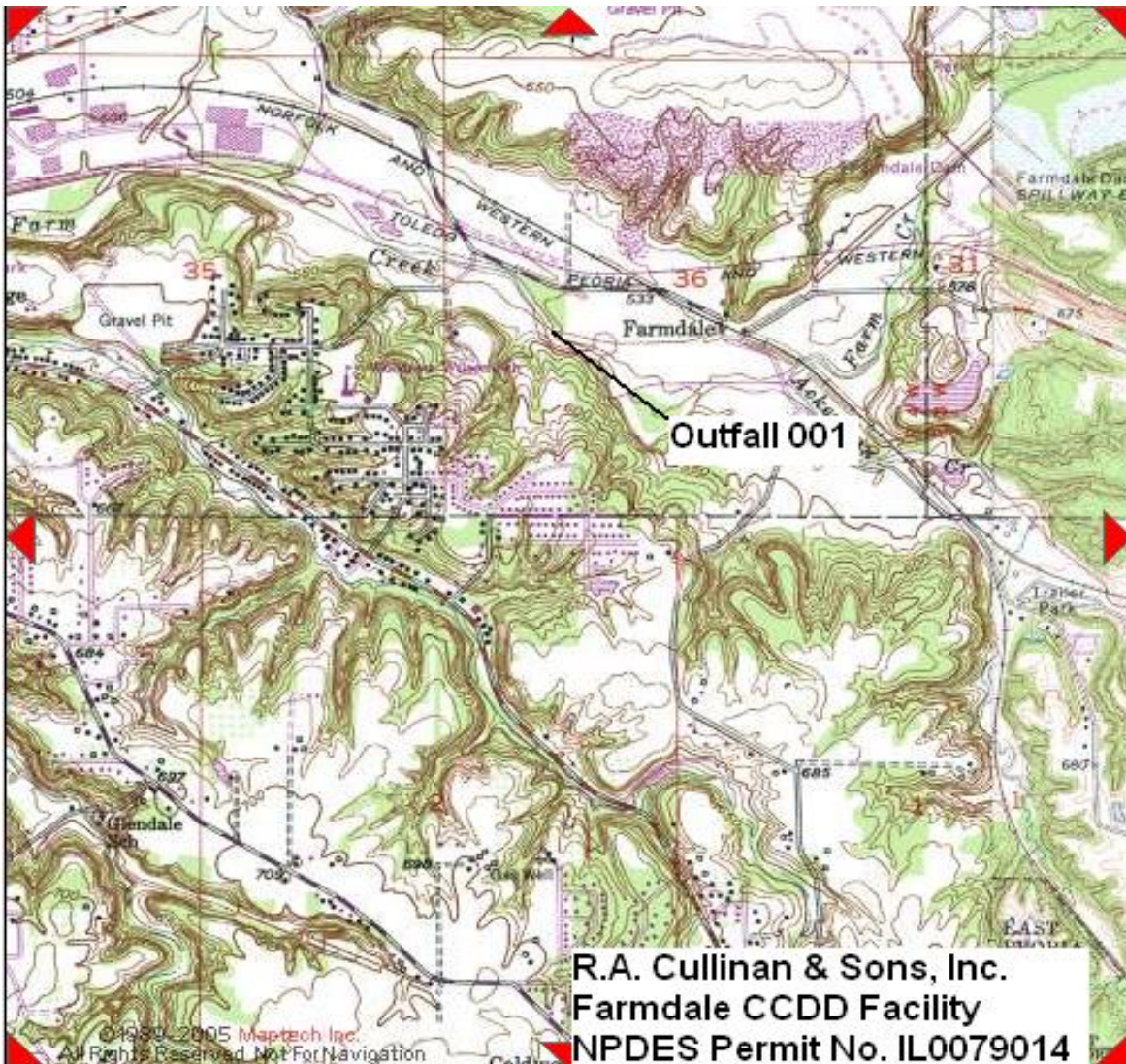
| Pollutants | Potential Contributors |
|--|---------------------------|
| Alteration in stream side on littoral vegetative cover, pH, Phosphorus (Total), Nitrogen (Total), Total Dissolved Solids, and Total Suspended Solids | Impaired for aquatic life |

The discharge from the facility shall be monitored and limited at all times as follows:

| PARAMETER | LOAD LIMITS lbs/day DAF (DMF) | | | CONCENTRATION LIMITS mg/L | | |
|------------------------|----------------------------------|------------------|------------|------------------------------|------------------|----------------|
| | 30 DAY AVERAGE | DAILY MAXIMUM | REGULATION | 30 DAY AVERAGE | DAILY MAXIMUM | REGULATION |
| <u>Outfall 001:</u> | | | | | | |
| Flow (MGD) | | | | | | |
| pH | | | | 6.5 - 9 | | 35 IAC 302.204 |
| Total Suspended Solids | | | | 15 | 30 | 35 IAC 304.124 |
| Iron (Total) | | | | Monitor Only | | |
| Chloride | | | | Monitor Only | | |
| Sulfate | | | | Monitor Only | | |

The following explain the conditions of the proposed permit:

The special conditions clarify flow, pH, monitor location, discharge monitoring report submission, and stormwater.



Antidegradation Assessment for Cullinan & Son – Farmdale CCDD
NPDES Permit No. IL0079014 Tazewell County

The subject facility is a portion of an existing quarry that has been mined out and is now being considered for a clean construction and demolition debris (CCDD) landfill. Stormwater runoff from the CCDD site will report to an existing pond left from the time when the site was an active part of the quarry. The adjoining working part of the quarry will use water from the pond for rock processing, thereby reducing the amount of stormwater discharge. A maximum discharge volume of 0.0319 MGD is predicted. The discharge will be to Farm Creek.

Identification and Characterization of the Affected Water Body.

Farm Creek (segment DZZP-04) has a 7Q10 flow of zero and is a General Use water. The stream is listed as impaired for aquatic life use in the Illinois Integrated Water Quality Report and Section 303(d) List – 2006. The causes given are alteration in stream side or littoral vegetative cover, pH, total phosphorus, total nitrogen, total dissolved solids and total suspended solids. The draft 2008 List is identical except that total nitrogen and total dissolved solids have been removed. The stream is not rated under the Agency's 1996 Biological Stream Characterization (BSC) system. The stream is not listed as a biologically significant stream in the 1992 Illinois Natural History Survey Publication *Biologically Significant Illinois Streams*. The IDNR WIRT system lists no threatened or endangered species as inhabiting the receiving stream.

Identification of Proposed Pollutant Load Increases or Potential Impacts on Uses.

Stormwater from the site will resemble that from the period when the quarry was active. Total suspended solids (TSS) loading should remain the same. The dissolved solids (TDS) component may change in composition somewhat because of the changes in the nature of the materials stormwater comes into contact with. Loading of this parameter should remain the same.

Fate and Effect of Parameters Proposed for Increased Loading.

TSS and TDS in the effluent should not behave any differently. TDS will persist in the downstream continuum, most of which will be hardness molecules, which have little potential for harm to the aquatic ecosystem. TSS will become indistinguishable from that already in the receiving stream.

Purpose and Anticipated Benefits of the Proposed Activity.

The quarry pit will be put to use as a site for disposal of CCDD. Jobs will be created and room in local landfills will not be taken up by this type of waste.

Assessments of Alternatives for Less Increase in Loading or Minimal Environmental Degradation.

Treatment of stormwater typically occurs in sedimentation ponds. Alternatives to this treatment are not practical. The proposed CCDD site is utilizing the existing pond for the same function that it served the quarry.

Summary Comments of the Illinois Department of Natural Resources, Regional Planning Commissions, Zoning Boards or Other Entities

The Illinois Department of Natural Resources was consulted regarding threatened and endangered species issues via the EcoCAT system on December 17, 2008. It was immediately determined that no threatened or endangered species reside in the receiving stream and consultation was terminated.

Agency Conclusion.

This preliminary assessment was conducted pursuant to the Illinois Pollution Control Board regulation for Antidegradation found at 35 Ill. Adm. Code 302.105 (antidegradation standard) and was based on the information available to the Agency at the time the draft permit was written. We tentatively find that the proposed activity will result in the attainment of water quality standards; that all existing uses of the receiving stream will be maintained; that all technically and economically reasonable measures to avoid or minimize the extent of the proposed increase in pollutant loading have been incorporated into the proposed activity; and that this activity will benefit the community at large by providing jobs. Comments received during the NPDES permit public notice period will be evaluated before a final decision is made by the Agency.

NPDES Permit No. IL0079014

Illinois Environmental Protection Agency

Division of Water Pollution Control

1021 North Grand Avenue East

Post Office Box 19276

Springfield, Illinois 62794-9276

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

New (NPDES) Permit

Expiration Date:

Issue Date:

Effective Date:

Name and Address of Permittee:

R.A. Cullinan & Sons, Inc.
121 West Perk Street
Tremont, Illinois 61568

Facility Name and Address:

Farmdale CCDD Facility
22493 Farmdale Road
Farmdale, Illinois 61611
(Tazewell County)

Discharge Number and Name:

001 Stormwater Runoff

Receiving Waters:

Farm Creek

In compliance with the provisions of the Illinois Environmental Protection Act, Title 35 of Ill. Adm. Code, Subtitle C and/or Subtitle D, Chapter 1, and the Clean Water Act (CWA), the above-named permittee is hereby authorized to discharge at the above location to the above-named receiving stream in accordance with the standard conditions and attachments herein.

Permittee is not authorized to discharge after the above expiration date. In order to receive authorization to discharge beyond the expiration date, the permittee shall submit the proper application as required by the Illinois Environmental Protection Agency (IEPA) not later than 180 days prior to the expiration date.

Alan Keller, P.E.
Manager, Permit Section
Division of Water Pollution Control

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Effluent Limitations and Monitoring

1. From the effective date of this permit until the expiration date, the effluent of the following discharge shall be monitored and limited at all times as follows:

| PARAMETER | LOAD LIMITS lbs/day DAF (DMF) | | CONCENTRATION LIMITS mg/L | | SAMPLE FREQUENCY | SAMPLE TYPE |
|---|----------------------------------|------------------|------------------------------|------------------|---------------------|----------------|
| | 30 DAY AVERAGE | DAILY MAXIMUM | 30 DAY AVERAGE | DAILY MAXIMUM | | |
| <u>Outfall 001 - Stormwater Runoff*</u> (Intermittent Discharge) | | | | | | |
| Flow (MGD) | See Special Condition 1. | | | | 1/Month | Measure |
| pH | See Special Condition 2. | | | | 1/Month | Grab |
| Total Suspended Solids | | | 15 | 30 | 1/Month | Grab |
| Iron (Total) | | | Monitor Only | | 1/Month | Grab |
| Chloride | | | Monitor Only | | 1/Month | Grab |
| Sulfate | | | Monitor Only | | 1/Month | Grab |
| * - See Special Condition 6. | | | | | | |

Special Conditions

SPECIAL CONDITION 1. Flow shall be measured in units of Million Gallons per Day (MGD) and reported as a monthly average and a daily maximum on the Discharge Monitoring Report.

SPECIAL CONDITION 2. The pH shall be in the range 6.5 to 9.0. The monthly minimum and monthly maximum values shall be reported on the DMR form.

SPECIAL CONDITION 3. The Permittee shall record monitoring results on Discharge Monitoring Report (DMR) Forms using one such form for each outfall each month.

In the event that an outfall does not discharge during a monthly reporting period, the DMR Form shall be submitted with no discharge indicated.

The Permittee may choose to submit electronic DMRs (NetDMRs) instead of mailing paper DMRs to the IEPA. More information, including registration information for the NetDMR program, can be obtained on the IEPA website, <http://www.epa.state.il.us/water/net-dmr/index.html>.

The completed Discharge Monitoring Report forms shall be submitted to IEPA no later than the 15th day of the following month, unless otherwise specified by the permitting authority.

Permittees not using NetDMRs shall mail Discharge Monitoring Reports with an original signature to the IEPA at the following address:

Illinois Environmental Protection Agency
Division of Water Pollution Control
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276

Attention: Compliance Assurance Section, Mail Code # 19

SPECIAL CONDITION 4. Samples taken in compliance with the effluent monitoring requirements shall be taken at a point representative of the discharge, but prior to entry into the receiving stream.

SPECIAL CONDITION 5. If an applicable effluent standard or limitation is promulgated under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a)(2) of the Clean Water Act and that effluent standard or limitation is more stringent than any effluent limitation in the permit or controls a pollutant not limited in the NPDES Permit, the Agency shall revise or modify the permit in accordance with the more stringent standard or prohibition and shall so notify the permittee.

SPECIAL CONDITION 6. The Agency has determined that the effluent limitations in this permit constitute BAT/BCT for storm water which is treated in the existing treatment facilities for purposes of this permit reissuance, and no pollution prevention plan will be required for such storm water. In addition to the chemical specific monitoring required elsewhere in this permit, the permittee shall conduct an annual inspection of the facility site to identify areas contributing to a storm water discharge associated with industrial activity, and determine whether any facility modifications have occurred which result in previously-treated storm water discharges no longer receiving treatment. If any such discharges are identified the permittee shall request a modification of this permit within 30 days after the inspection. Records of the annual inspection shall be retained by the permittee for the term of this permit and be made available to the Agency on request.

SPECIAL CONDITION 7. The effluent, alone or in combination with other sources, shall not cause a violation of any applicable water quality standard outlined in 35 Ill. Adm. Code 302.

Special Conditions