

NPDES Permit No. IL0078751  
Notice No. LRL:15050701.docx

Public Notice Beginning Date: **September 30, 2015**

Public Notice Ending Date: **October 30, 2015**

National Pollutant Discharge Elimination System (NPDES)  
Permit Program

Draft Reissued 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:

Met-South, Inc.  
1500 Eastport Plaza Drive  
Collinsville, Illinois 62234-6135

Name and Address of Facility:

Met-South, Inc.  
2100 Portland Road  
Joppa, Illinois 62953  
(Massac 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 operating a landfill which will receive coal combustion waste. This includes fly ash and bottom ash (SIC 4953). Plant operation results in an intermittent discharge of truck and equipment washwater and stormwater runoff from outfall 001.

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

<u>Outfall</u>	<u>Receiving Stream</u>	<u>Latitude</u>		<u>Longitude</u>		<u>Stream Classification</u>	<u>Integrity Rating</u>
001	Unnamed Tributary to the Ohio River	37° 13' 25"	North	88° 52' 19"	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 not on the 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 discharge from the facility shall be monitored and limited at all times as follows:

PARAMETER	LOAD LIMITS lbs/day <u>DAF (DMF)</u>		REGULATION	CONCENTRATION <u>LIMITS mg/l</u>		REGULATION
	30 DAY AVERAGE	DAILY MAXIMUM		30 DAY AVERAGE	DAILY MAXIMUM	
<u>Outfall 001:</u>						
Flow (MGD)						
pH				6.5 – 9 s.u.		35 IAC 302.204
Total Suspended Solids				15.0	30.0	35 IAC 304.124
Oil & Grease				15.0	30.0	35 IAC 304.124
Barium				2.0	4.0	35 IAC 304.124
Chromium (Hexavalent)				0.011	0.016	35 IAC 302.208
Mercury				12 ng/l annual average		35 IAC 302.208
Boron				7.6	40.1	35 IAC 302.208

The following explain the conditions of the proposed permit:

The Special Conditions clarify flow, mercury, pH, monitoring location, stormwater, and Discharge Monitoring Report submission.



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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

Reissued (NPDES) Permit

Expiration Date:

Issue Date:

Effective Date:

Name and Address of Permittee:

Met-South, Inc.  
1500 Eastport Plaza Drive  
Collinsville, Illinois 62234-6135

Facility Name and Address:

Met-South, Inc.  
2100 Portland Road  
Joppa, Illinois 62953  
(Massac County)

Discharge Number and Name:

001 Truck and Equipment Washwater and Stormwater Runoff

Receiving Waters:

Unnamed Tributary to the Ohio River

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</u> – Truck and Equipment Washwater and Stormwater Runoff** (Intermittent Discharge)						
Flow (MGD)	See Special Condition 1.				1/Month When Discharging	Measure
pH	See Special Condition 2.				1/Month	Grab
Total Suspended Solids			15.0	30.0	1/Month	Grab
Oil & Grease			15.0	30.0	1/Month	Grab
Barium			2.0	4.0	1/Month	Grab
Chromium (Hexavalent)			0.011	0.016	1/Month	Grab
Mercury*					1/Month	Grab
Boron			7.6	40.1	1/Month	Grab

\* - Mercury will be limited to an annual average concentration of 12 ng/l. See Special Condition 7.

\*\* - See Special Condition 6 and 11.

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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 28th 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. Mercury must be monitoring using USEPA Method 1631 and it must be assured that adequate digestion of the sample has occurred before analysis. Prior to analysis, digest the sample using the option in 1631E of heating samples at 50°C for 6 hours in a bromine chloride (BrCl) solution in closed vessels.

SPECIAL CONDITION 8. 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 CONDITION 9: This permit does not authorize the placement of flue gas desulfurization (FGD) sludge in the landfill. The permittee must submit a modification request to the Agency requesting the placement of FGD sludge in the landfill, including a quantified analysis of the material.

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Special Conditions

SPECIAL CONDITION 10. The Permittee shall monitor the effluent for the following parameters on a monthly basis for one year after the facility begins placing material in the landfill and quarterly thereafter. The Permit may be modified with public notice to establish effluent limitations if appropriate, based on the information obtained through sampling. The sample shall be a 24-hour effluent composite except as otherwise specifically provided below and the results shall be submitted on the DMRs to IEPA. The parameters to be sampled and the minimum reporting limits to be attained are as follows:

<u>STORET</u> <u>CODE</u>	<u>PARAMETER</u>	<u>MINIMUM</u> <u>REPORTING LIMIT</u>
01002	Arsenic	0.05 mg/l
01027	Cadmium	0.001 mg/l
01034	Chromium (Total)	0.05 mg/l
01042	Copper	0.005 mg/l
00718	Cyanide (grab) (weak acid dissociable)	5.0 ug/l
00720	Cyanide (grab not to exceed 24 hours) (Total)	5.0 ug/l
00951	Fluoride	0.1 mg/l
01045	Iron (Total)	0.5 mg/l
01046	Iron (Dissolved)	0.5 mg/l
01051	Lead	0.05 mg/l
01055	Manganese	0.5 mg/l
01067	Nickel	0.005 mg/l
32730	Phenols (grab)	0.005 mg/l
01147	Selenium	0.005 mg/l
01077	Silver (Total)	0.003 mg/l
01092	Zinc	0.025 mg/l

Unless otherwise indicated, concentrations refer to the total amount of the constituent present in all phases, whether solids, suspended, or dissolved, elemental or combined, including all oxidation states.

SPECIAL CONDITION 11. The monitoring required on page 2 of the permit for pH, Oil & Grease, Chromium (Hexavalent), Total Suspended Solids, Barium, Boron, and Mercury does not apply until the Permittee begins placing material in the landfill for disposal. The Permittee shall notify the Agency in writing, one month prior to material being placed in landfill. At that time the monitoring and limits listed for these parameters will apply. This notification shall be submitted to the following address:

Illinois Environmental Protection Agency  
 DWPC / CAS  
 1021 North Grand Avenue East  
 Post Office Box 19276  
 Springfield, Illinois 62794-9276