

NPDES Permit No. IL0001783
Notice No. LRL:15012001.docx

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

Public Notice Ending Date: **August 31, 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:

CF Industries Sales, LLC.
P.O. Box 492
Peru, Illinois 61354

Name and Address of Facility:

CF Industries Sales, LLC
Peru Terminal
8 Terminal Road
Peru, Illinois 61354
(LaSalle 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 the operation of a storage, mixing, and distribution terminal for fertilizer materials (SIC 5191). Plant operation results in an average discharge of 0.002 MGD of non-contact cooling water from outfall 002.

Application is made for the existing discharge which is located in LaSalle 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>
002	Unnamed Tributary to the Illinois River	41° 19' 11"	North	89° 9' 11"	West	General Use	Not Rated

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

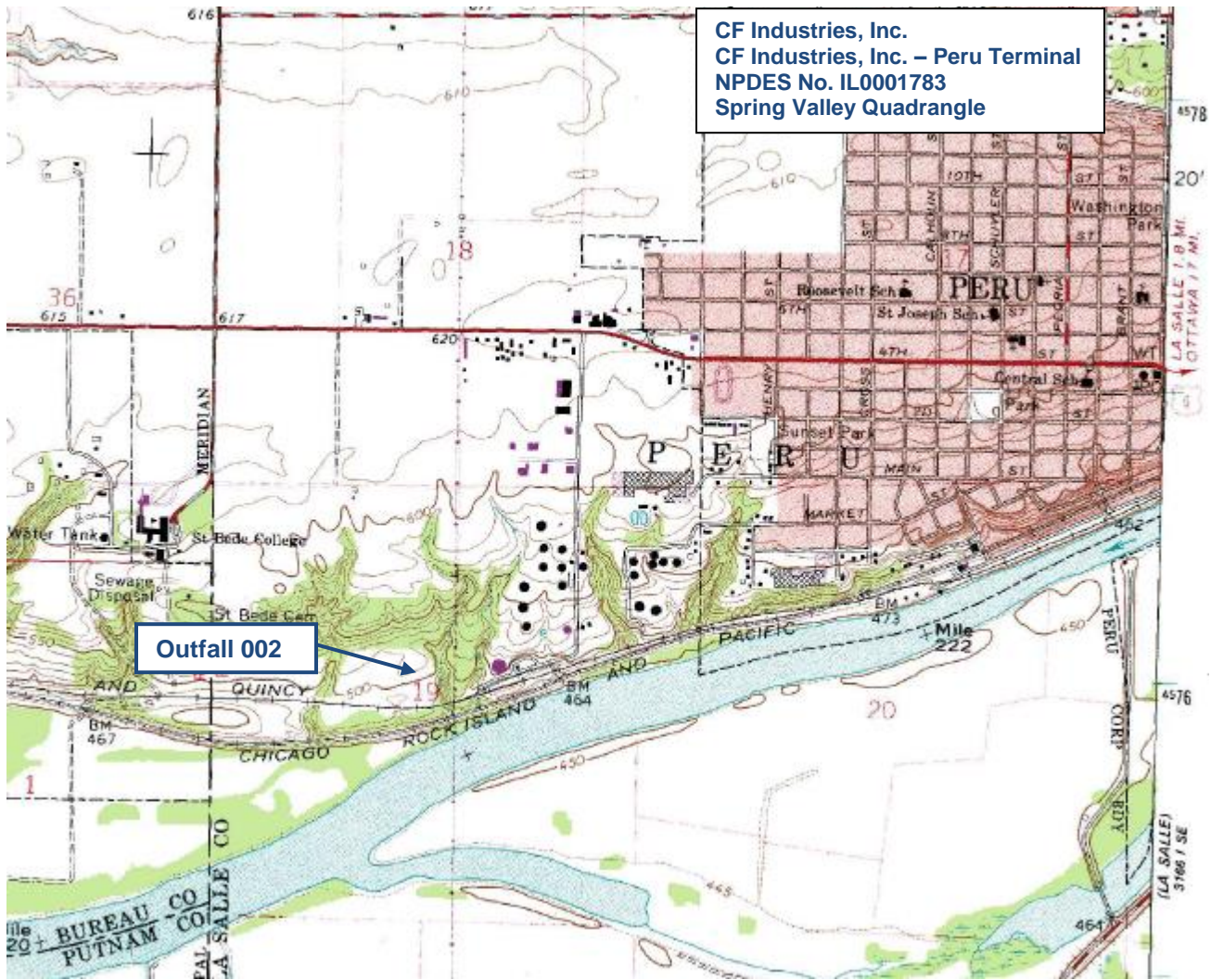
The stream segment receiving the discharge from outfall 002 is not on the draft 2014 303(d) list of impaired waters and is not a biologically significant stream on the 2008 Illinois Department of Natural Resources Publication – *Integrating Multiple Taxa in a Biological Stream Rating System*.

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
	Monthly Average	Weekly Average	Daily Maximum		Monthly Average	Weekly Average	Daily Maximum	
<u>Outfall 002:</u>								
Flow (MGD)								
pH					6 – 9 s.u.			35 IAC 302.204
Temperature								35 IAC 302.211
Total Residual Chlorine							0.05	40 CFR 125.3 & 35 IAC 302.208
Total Suspended Solids					15		30	35 IAC 304.124
Ammonia (as N)* March – May June – August September – October November – February					1.3 1.1 1.3 2.2	3.3 2.8 3.3 -	4.4 5.7 4.4 2.9	35 IAC 302.212
* - Final Limits.								

The following explain the conditions of the proposed permit:

The special conditions clarify flow, pH, temperature, Total Residual Chlorine, discharge monitoring report submission, compliance schedule for Ammonia (as N), additives, and monitoring location.



NPDES Permit No. IL0001783

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:

CF Industries Sales, LLC.
P.O. Box 492
Peru, Illinois 61354

Facility Name and Address:

CF Industries Sales, LLC
Peru Terminal
8 Terminal Road
Peru, Illinois 61354
(LaSalle County)

Discharge Number and Name:

002 Non-Contact Cooling Water

Receiving Waters:

Unnamed Tributary to the Illinois 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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Special Conditions

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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
	Monthly Average	Weekly Average	Daily Maximum	Monthly Average	Weekly Average	Daily Maximum		
<u>Outfall 002</u> – Non-Contact Cooling Water (Average Flow = 0.002 MGD)								
Flow (MGD)	See Special Condition 1.						1/Month	Measure
pH	See Special Condition 2.						1/Month	Grab
Temperature	See Special Condition 3.						1/Month	Grab
Total Residual Chlorine	See Special Condition 4.					0.05	1/Month	Grab
Total Suspended Solids				15		30	1/Month	Grab
Ammonia (as N)* March – May June – August September – October November – February				1.8 1.5 1.8 2.9	4.5 2.8 4.5 -	6.9 6.9 6.9 5.7	1/Month	Grab
Ammonia (as N)** March – May June – August September – October November – February				1.3 1.1 1.3 2.2	3.3 2.8 3.3 -	4.4 5.7 4.4 2.9	1/Month	Grab
* - Interim Limits. See Special Condition 10.								
** - Final Limits. See Special Condition 10.								

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 value on the monthly Discharge Monitoring Report. The monthly average shall consist of the summation of the daily flows divided by the number of days the facility discharged during that month.

SPECIAL CONDITION 2. The pH shall be in the range 6.0 to 9.0. The monthly minimum and monthly maximum values shall be reported on the DMR form.

SPECIAL CONDITION 3. This facility is not allowed any mixing with the receiving stream in order to meet applicable water quality thermal limitations. Therefore, discharge of wastewater from this facility must meet the following thermal limitations prior to discharge into the receiving stream.

- A. The discharge must not exceed the maximum limits in the following table during more than one percent of the hours in the 12 month period ending with any month. Moreover, at no time shall the water temperature of the discharge exceed the maximum limits in the following table by more than 1.7° C (3° F).

	<u>Jan.</u>	<u>Feb.</u>	<u>Mar.</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Oct.</u>	<u>Nov.</u>	<u>Dec.</u>
°F	60	60	60	90	90	90	90	90	90	90	90	60
°C	16	16	16	32	32	32	32	32	32	32	32	16

- B. In addition, the discharge shall not cause abnormal temperature changes that may adversely affect aquatic life unless caused by natural conditions.
- C. The discharge shall not cause the maximum temperature rise above natural temperatures to exceed 2.8° C (5° F).
- D. The monthly maximum value shall be reported on the DMR form.

SPECIAL CONDITION 4. All samples for Total Residual Chlorine shall be analyzed by an applicable method contained in 40 CFR 136, equivalent in accuracy to low-level amperometric titration. Any analytical variability of the method used shall be considered when determining the accuracy and precision of the results obtained.

SPECIAL CONDITION 5. 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 6. 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 7. 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 Conditions

SPECIAL CONDITION 8. For the purpose of this permit, the discharge 002 is limited to non-contact cooling water, free from process and other wastewater discharges. In the event that the permittee shall require the use of water treatment additives, other than those approved with this renewal, the permittee must request a modification of this permit in accordance with the Standard Conditions -- Attachment H.

SPECIAL CONDITION 9. 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 10. From the effective date of this permit, the Ammonia (as N) limits for outfall 002 shall be the interim limits listed on page 2 of this permit. The Ammonia (as N) limits for outfall 002 listed as the final limits on page 2 of this permit shall become effective 24 months from the effective date of this permit. Reporting shall be submitted on the DMR's on a monthly basis.

In order for the Permittee to achieve the limits listed on page 2 of the permit, it will be necessary to construct either a treatment system or some alternative means of compliance in accordance with the following schedule:

- | | |
|-----------------------------|--|
| 1. Plans and specifications | 6 months from the effective date of this Permit |
| 2. Arrange financing | 9 months from the effective date of this Permit |
| 3. Commence construction | 10 months from the effective date of this Permit |
| 4. Interim report | 16 months from the effective date of this Permit |
| 5. Complete construction | 22 months from the effective date of this Permit |
| 6. Obtain operational level | 24 months from the effective date of this Permit |

Compliance dates set out in this Permit may be superseded or supplemented by compliance dates in judicial orders, Pollution Control Board orders. This Permit may be modified, with Public Notice, to include such revised compliance dates.

The Permittee shall operate the treatment facilities or an alternative means of compliance in a manner to ensure continuous compliance with the Ammonia (as N) limits, and not to the extent that will result in violations of other permitted effluent characteristics, or water quality standards.

REPORTING

The Permittee shall submit a report no later than fourteen (14) days following the completion dates indicated for each numbered item in the compliance schedule, indicating, a) the date the item was completed, or b) that the item was not complete, the reasons for non-completion and the anticipated completion date.