



# Illinois Environmental Protection Agency

Bureau of Water • 1021 N. Grand Avenue E. • P.O. Box 19276 • Springfield • Illinois • 62794-9276

## Division of Water Pollution Control ANNUAL FACILITY INSPECTION REPORT

### for NPDES Permit for Storm Water Discharges from Separate Storm Sewer Systems (MS4)

*This fillable form may be completed online, a copy saved locally, printed and signed before it is submitted to the Compliance Assurance Section at the above address. Complete each section of this report.*

Report Period: From March, 2020 To March, 2021

Permit No. ILR40 0412

#### MS4 OPERATOR INFORMATION: (As it appears on the current permit)

Name: CITY OF O'FALLON Mailing Address 1: 255 SOUTH LINCOLN AVENUE  
Mailing Address 2: \_\_\_\_\_ County: St. Clair  
City: O'FALLON State: IL Zip: 62269 Telephone: 618-624-4500 EXT 3  
Contact Person: JEFF TAYLOR (JONATHAN NOLAN) Email Address: jtaylor@ofallon.org (jnolan@ofallon.org)  
(Person responsible for Annual Report)

#### Name(s) of governmental entity(ies) in which MS4 is located: (As it appears on the current permit)

ILLINOIS DEPARTMENT OF TRANSPORTATION ST. CLAIR COUNTY  
O'FALLON TOWNSHIP

#### THE FOLLOWING ITEMS MUST BE ADDRESSED.

A. Changes to best management practices (check appropriate BMP change(s) and attach information regarding change(s) to BMP and measurable goals.)

- |  |                          |   |                          |
|--|--------------------------|---|--------------------------|
| 1. Public Education and Outreach             | <input type="checkbox"/> | 4. Construction Site Runoff Control       | <input type="checkbox"/> |
| 2. Public Participation/Involvement          | <input type="checkbox"/> | 5. Post-Construction Runoff Control       | <input type="checkbox"/> |
| 3. Illicit Discharge Detection & Elimination | <input type="checkbox"/> | 6. Pollution Prevention/Good Housekeeping | <input type="checkbox"/> |

B. Attach the status of compliance with permit conditions, an assessment of the appropriateness of your identified best management practices and progress towards achieving the statutory goal of reducing the discharge of pollutants to the MEP, and your identified measurable goals for each of the minimum control measures.

C. Attach results of information collected and analyzed, including monitoring data, if any during the reporting period.

D. Attach a summary of the storm water activities you plan to undertake during the next reporting cycle ( including an implementation schedule.)

E. Attach notice that you are relying on another government entity to satisfy some of your permit obligations (if applicable).

F. Attach a list of construction projects that your entity has paid for during the reporting period.

**Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))**

Owner Signature:

Jonathan Nolan

Printed Name:

Date:

Engineering Project Manager

Title:

EMAIL COMPLETED FORM TO: [epa.ms4annualinsp@illinois.gov](mailto:epa.ms4annualinsp@illinois.gov)

or Mail to: ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
WATER POLLUTION CONTROL  
COMPLIANCE ASSURANCE SECTION #19  
1021 NORTH GRAND AVENUE EAST  
POST OFFICE BOX 19276  
SPRINGFIELD, ILLINOIS 62794-9276

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42) and may also prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

**ADMINISTRATIVE REVISIONS TO THE NOTICE OF INTENT**

Revisions to the original Notice of Intent (NOI) are reflected below.

MS4 Operator Mailing Address:                      Yes    \_\_\_\_\_                      No    \_\_\_\_\_

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Persons Responsible:                                      Yes    \_\_\_\_\_                                      No    \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

Area of Responsibility: \_\_\_\_\_

## Introduction

In 2003, St. Clair County (County), Illinois and its communities created a Co-Permittee Group to join forces in complying with the National Pollutant Discharge Elimination System (NPDES) for Municipal Separate Storm Sewer Systems (MS4) Phase II requirements. As stated in the original 2003 Notice of Intent (NOI), the County and the Co-Permittee communities were to pool resources and work together to comply with the commitments made within the NOI for the benefit of all within the County.

The Co-Permittee Group was active during this reporting period. Significant progress was made sharing Best Management Practices (BMPs) for document retention, operation procedures, and maintenance activities.

## Best Management Practice (BMP) Summary of 2020-2021 Activities

In 2003, each member of the Co-Permittee Group submitted a NOI in compliance with the first 5-year cycle. In 2008, a NOI was submitted in compliance with the next 5-year cycle, as written in the first MS4 permit. The 2009 NOI was submitted in compliance with additional requirements in the second MS4 permit. In 2013, a new NOI was submitted for the next 5-year cycle and was in place starting in March 2014. As stated in the 2003, 2008, 2009, and 2013 NOIs, each Co-Permittee Member identified certain activities to comply with the Phase II requirements. Below is an abbreviated summary of the BMPs that were written in the NOI for each of the minimum control measures.

### **March 2020-February 2021:**

- 1) **A.1-** Stormwater brochures for businesses, homeowners, children, and green infrastructures were to be promoted and displayed by each community in a public place.
- 2) **A.4-** St. Clair County sponsored a booth at the County Fair and/or Earth Day and distributed the storm water and green infrastructure brochures.
- 3) **A.5-** St. Clair County posted newsletters on the County Health Department website during school months. Co-Permittee Members distributed educational materials to schools in their communities. The amount of material distributed was to be tracked by the communities.
- 4) **B.3-** The Co-Permittee Group met two (2) times to review upcoming permit requirements, notice of intent, review stormwater management program, operations training, and to develop and submit the Annual Report.
- 5) **B.5-** Co-Permittee Members solicited and encouraged public assistance in monitoring the community's stormwater system. Public inquiries and complaints were responded to and recorded.
- 6) **B.6-** St. Clair County continued to promote programs related to stormwater activities and recycling programs. The community tracked its participation.

- 7) **C.1-** Co-Permittee Members updated any new or revised storm sewers and performed stream observations at bridge inspections.
- 8) **C.5-** A survey of previously installed stencils was to be performed as well as replacing or placing any that needed inlet stencils.
- 9) **C.6-** Communication brochures were distributed to the community. Co-Permittee Members discussed any known illicit discharge ordinance compliance issues in the communities.
- 10) **C.9-** Co-Permittee Members developed brochures addressing specific stormwater ordinance prohibited activities and distributed with educational brochures.
- 11) **D.1, E.2, E.4-** Community stormwater ordinances were to be updated, if needed, and require a SWPPP on site plans disturbing more than one acre.
- 12) **D.2, F.1-** The Co-Permittee held an Operations Training class. Topics included a review of the history of drainage systems, the Clean Water Act and NPDES permits, and the impacts of storm water.
- 13) **D.5-** St. Clair County continued to maintain a stormwater hotline number to address public concerns related to storm water issues. County tracked and reported the number of calls.
- 14) **F.6-** Communities reviewed operating procedures and BMPs and modified if necessary.

The following pages highlight changes made to the BMPs from the NOI, BMP status, and activities planned for the next reporting year. Additional information is also provided from the County and each Community.

It is to be noted that some BMPs will continue on to the next NOI, but some will be stopped, and others added to fulfill the requirements of the permit. The 2021-2026 NOI can be found on the IEPA website.

City of \_\_\_\_\_ FOIA Officer for the reporting year:

Name: Misty McDonald

Title: Deputy City Clerk

Telephone Number: 618-624-4500

COMMUNITY NAME: \_\_\_\_\_

PERMIT #: \_\_\_\_\_

IEPA Annual Report for Stormwater Discharges from MS4 Communities- Period: March 2020 through February 2021

A. Changes to Best Management- Were there any changes to the BMPs?		B. The status of compliance with the permit, the appropriateness of the BMP and progress towards achieving reduction of discharged pollutants to the MEP, and identified measurable goals for each of the minimum control measures.		C. Provide results of information collected and analyzed, including monitoring data. Information attached?		D. Summarize the stormwater activities you plan to undertake with an implementation schedule.		
Comment	YES	NO		If attached information, describe.	YES	NO	Activity	Schedule
<b>BMP No. A.1 - Distributed Paper Materials- Informational Brochures</b>								
Milestone For Reporting Year: Promote the availability of brochures to the residents.								
<b>BMP No. A.4- Community Event- Sponsor Annual Booth at St. Clair County Earth Day Festival</b>								
Milestone For Reporting Year: St. Clair County sponsored a booth at the Earth Day Festival.								
<b>BMP No. A.5- Classroom Education Material</b>								
Milestone For Reporting Year: Communities distributed educational materials and tracked the number of brochures and other materials handed out to the schools.								

COMMUNITY NAME: \_\_\_\_\_

PERMIT #: \_\_\_\_\_

IEPA Annual Report for Stormwater Discharges from MS4 Communities- Period: March 2020 through February 2021

A. Changes to Best Management- Were there any changes to the BMPs?		B. The status of compliance with the permit, the appropriateness of the BMP and progress towards achieving reduction of discharged pollutants to the MEP, and identified measurable goals for each of the minimum control measures.		C. Provide results of information collected and analyzed, including monitoring data. Information attached?		D. Summarize the stormwater activities you plan to undertake with an implementation schedule.		
Comment	YES	NO		If attached information, describe.	YES	NO	Activity	Schedule
<b>BMP No. B-3- Stakeholder's Meeting- Coordinate Meetings and Annual Reports</b>								
Milestone For Reporting Year: Co-Permittee Group met three (3) times to complete training and to develop and submit the Annual Report.								
<b>BMP No. B-5- Volunteer Monitoring- Solicit and Encourage Public Assistance in Monitoring the Community's Stormwater System &amp; Stormwater Hotline</b>								
Milestone For Reporting Year: Community will work to involve more public assistance in reporting stormwater issues.								
<b>BMP No. B.6- Program Coordination- Participate in programs targeted at public awareness, including: Inlet Stenciling and Recycling</b>								
Milestone for Reporting Year: St. Clair County continued to promote programs related to stormwater activities. Communities tracked participation.								

COMMUNITY NAME: \_\_\_\_\_

PERMIT #: \_\_\_\_\_

IEPA Annual Report for Stormwater Discharges from MS4 Communities- Period: March 2020 through February 2021

A. Changes to Best Management- Were there any changes to the BMPs?		B. The status of compliance with the permit, the appropriateness of the BMP and progress towards achieving reduction of discharged pollutants to the MEP, and identified measurable goals for each of the minimum control measures.		C. Provide results of information collected and analyzed, including monitoring data. Information attached?		D. Summarize the stormwater activities you plan to undertake with an implementation schedule.		
Comment	YES	NO		If attached information, describe.	YES	NO	Activity	Schedule
<b>BMP No. B.7- Other Public Involvement - the community will provide a public meeting annually for public input into for the MS4 program</b>								
Milestone for Reporting Year: The communities will provide a public meeting annually for public input for the MS4 program.								
<b>BMP No. C.1- Storm Sewer Map Preparation</b>								
Milestone for Reporting Year: Co-Permittee member communities reviewed outfall maps and conducted stream observations annually at bridge inspections.								
<b>BMPs No. C.2, C.9- Regulatory Control Program- Ordinance language for Illicit discharge/public notification</b>								
Milestone for Reporting Year: Communication brochures were distributed to the community.								
<b>BMP No. C.5- Inlet Stenciling</b>								
Milestone for Reporting Year: Survey condition of inlet stencils.								

COMMUNITY NAME: \_\_\_\_\_

PERMIT #: \_\_\_\_\_

IEPA Annual Report for Stormwater Discharges from MS4 Communities- Period: March 2020 through February 2021

A. Changes to Best Management- Were there any changes to the BMPs?		B. The status of compliance with the permit, the appropriateness of the BMP and progress towards achieving reduction of discharged pollutants to the MEP, and identified measurable goals for each of the minimum control measures.		C. Provide results of information collected and analyzed, including monitoring data. Information attached?		D. Summarize the stormwater activities you plan to undertake with an implementation schedule.		
Comment	YES	NO		If attached information, describe.	YES	NO	Activity	Schedule
<b>BMP No. C.6- Program Evaluation and Assessment</b>								
Milestone for Reporting Year: Perform illicit discharge detection and elimination in the Community's stormwater system.								
<b>BMP No. C.9- Public Notification</b>								
Milestone for Reporting Year: Community will update ordinance brochure.								
<b>BMPs No. D.1, E.2, and E.4- Site Plan and Pre-Construction Review Procedures</b>								
Milestone for Reporting Year: Update stormwater ordinance.								
<b>BMP No. D.1- Regulatory Control Program</b>								
Milestone for Reporting Year: Require SWPPP on all site plans disturbing more than one acre of land inside the Community.								

COMMUNITY NAME: \_\_\_\_\_

PERMIT #: \_\_\_\_\_

IEPA Annual Report for Stormwater Discharges from MS4 Communities- Period: March 2020 through February 2021

A. Changes to Best Management- Were there any changes to the BMPs?		B. The status of compliance with the permit, the appropriateness of the BMP and progress towards achieving reduction of discharged pollutants to the MEP, and identified measurable goals for each of the minimum control measures.		C. Provide results of information collected and analyzed, including monitoring data. Information attached?		D. Summarize the stormwater activities you plan to undertake with an implementation schedule.		
Comment	YES	NO		If attached information, describe.	YES	NO	Activity	Schedule
<b>BMP No. D.2- Erosion and Sediment Control BMPs</b>								
Milestone for Reporting Year: Community will participate in BMP training during Annual Operations Training.								
<b>BMP No. D.5- Stormwater Hotline</b>								
Milestone for Reporting Year: County continued to maintain a stormwater hotline number to address public concerns related to stormwater issues. County tracked and reported the number of calls.								
<b>BMPs No. D.6 and E.5- Training for Construction Site Inspectors</b>								
Milestone for Reporting Year: Inspector training was provided this year.								
<b>BMP No. E.2- Regulatory Control Program</b>								
Milestone for Reporting Year: Enforce Stormwater Ordinance.								

COMMUNITY NAME: \_\_\_\_\_

PERMIT #: \_\_\_\_\_

IEPA Annual Report for Stormwater Discharges from MS4 Communities- Period: March 2020 through February 2021

A. Changes to Best Management- Were there any changes to the BMPs?		B. The status of compliance with the permit, the appropriateness of the BMP and progress towards achieving reduction of discharged pollutants to the MEP, and identified measurable goals for each of the minimum control measures.		C. Provide results of information collected and analyzed, including monitoring data. Information attached?		D. Summarize the stormwater activities you plan to undertake with an implementation schedule.		
Comment	YES	NO		If attached information, describe.	YES	NO	Activity	Schedule
<b>BMP No. E.4- Pre-Construction Review of BMP Designs</b>								
Milestone for Reporting Year: Review post-construction BMPs.								
<b>BMP No. F.1- Employee Training Program</b>								
Milestone for Reporting Year: The Co-Permittee held an Operations Training class.								
<b>BMP No. F.6- Other Municipal Operations Controls- Standard Operating Procedures</b>								
Milestone for Reporting Year: Communities reviewed operating procedures and BMPs and modified if necessary.								

COMMUNITY NAME: \_\_\_\_\_

PERMIT #: \_\_\_\_\_

IEPA Annual Report for Stormwater Discharges from MS4 Communities- Period: March 2020 through February 2021

**ADDITIONAL INFORMATION**

<b>BMP A.5</b>	<u>Classroom Educational Materials</u>
<b>BMP B.6</b>	<u>Community Events - Recycling Programs</u>
<b>BMP B.7</b>	<u>Other Public Involvement</u>
<b>BMP C.5</b>	<u>Illicit Source Removal Procedures</u>

### **Additional Community Activities**

*(Make additional copies of form, if necessary)*

List any additional community-sponsored activities performed between March 1, 2020 and February 29, 2021 not listed in the *Notice of Intent* (NOI) submittal, but which address one of the six minimum control measures:

Circle which minimum control measure is addressed:

- |  |   |
|--|---|
| 1. Public Education & Outreach               | 4. Construction Site Runoff               |
| 2. Public Participation/Involvement          | 5. Post-Construction Runoff Control       |
| 3. Illicit Discharge Detection & Elimination | 6. Pollution Prevention/Good Housekeeping |

### **C. Information Collected and Analyzed during 2020-2021 Reporting Year**

The NPDES permit effective March 1, 2016, requires MS4 permittees serving populations over 25,000 persons to conduct quarterly laboratory testing of stormwater discharge. St. Clair County, the City of O'Fallon, O'Fallon Township, Fairview Heights, and Caseyville Township banded together to share sampling costs and data. The partnership began stormwater sampling during the first quarter of 2017. The samples were taken to a local accredited laboratory and tested for Fecal Coliform, Oil & Grease, Total Nitrogen, Total Phosphorous, Total Suspended Solids, and Chlorides. The laboratory returned a reporting package that contains laboratory results and chain of custody forms in addition to standard report contents.

The partnership identified two (2) locations for sampling each quarter within 48 hours of a ¼-inch-or-greater rainfall event in a 24-hour period. If a sample cannot be taken during the quarter, an explanation will be provided. The stormwater monitoring program will help evaluate the effectiveness of BMPs implemented to reduce pollutant loadings and water quality impacts. When trends in the data are identified, BMPs can be adjusted accordingly.

The laboratory reporting forms and the information collected are attached. Sampling outfall locations for the reporting year were:

- Ogles Creek at Old Collinsville Road - Upstream
- Ogles Creek at Scott Troy Road - Downstream

### **CI. Reliance on Government Entities for Permit Obligations**

Co-Permittee cooperation with County

### **CII. List of Construction Projects during 2020-2021 Reporting Year**

The City of O'Fallon had no public construction projects during the reporting year.

March 17, 2020

Noelle Gaspard  
RJV Group  
2000 South 8th St.  
St. Louis, MO 63104  
TEL: (314) 588-9764  
FAX:



**RE:** NPDES/15-3069

**WorkOrder:** 20030575

Dear Noelle Gaspard:

TEKLAB, INC received 2 samples on 3/10/2020 11:21:00 AM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Marvin L. Darling  
Project Manager  
(618)344-1004 ex 41  
[mdarling@teklabinc.com](mailto:mdarling@teklabinc.com)



## Report Contents

<http://www.teklabinc.com/>

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**Client:** RJN Group

**Work Order:** 20030575

**Client Project:** NPDES/15-3069

**Report Date:** 17-Mar-2020

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**This reporting package includes the following:**

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	4
Accreditations	5
Laboratory Results	6
Receiving Check List	8
Chain of Custody	Appended

Client: RJN Group

Work Order: 20030575

Client Project: NPDES/15-3069

Report Date: 17-Mar-2020

### Abbr Definition

\* Analytes on report marked with an asterisk are not NELAP accredited

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.

CRQL A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.

DNI Did not ignite

DUP Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.

IDPH IL Dept. of Public Health

LCS Laboratory control sample is a sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.

LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MBLK Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.

MDL "The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MW Molecular weight

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.

RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.

RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.

Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.

TIC Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"

TNTC Too numerous to count (> 200 CFU)

### Qualifiers

# - Unknown hydrocarbon

C - RL shown is a Client Requested Quantitation Limit

H - Holding times exceeded

J - Analyte detected below quantitation limits

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside recovery limits

X - Value exceeds Maximum Contaminant Level

B - Analyte detected in associated Method Blank

E - Value above quantitation range

I - Associated internal standard was outside method criteria

M - Manual Integration used to determine area response

R - RPD outside accepted recovery limits

T - TIC(Tentatively identified compound)

Client: RJN Group

Work Order: 20030575

Client Project: NPDES/15-3069

Report Date: 17-Mar-2020

Cooler Receipt Temp: 11.1 °C

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**Locations**

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**Collinsville**

**Address** 5445 Horseshoe Lake Road  
Collinsville, IL 62234-7425

**Phone** (618) 344-1004

**Fax** (618) 344-1005

**Email** jhriley@teklabinc.com

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**Collinsville Air**

**Address** 5445 Horseshoe Lake Road  
Collinsville, IL 62234-7425

**Phone** (618) 344-1004

**Fax** (618) 344-1005

**Email** EHurley@teklabinc.com

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**Springfield**

**Address** 3920 Pintail Dr  
Springfield, IL 62711-9415

**Phone** (217) 698-1004

**Fax** (217) 698-1005

**Email** KKlostermann@teklabinc.com

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**Chicago**

**Address** 1319 Butterfield Rd.  
Downers Grove, IL 60515

**Phone** (630) 324-6855

**Fax**

**Email** arenner@teklabinc.com

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**Kansas City**

**Address** 8421 Nieman Road  
Lenexa, KS 66214

**Phone** (913) 541-1998

**Fax** (913) 541-1998

**Email** jhriley@teklabinc.com



## Accreditations

<http://www.teklabinc.com/>

Client: RJN Group

Work Order: 20030575

Client Project: NPDES/15-3069

Report Date: 17-Mar-2020

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	4/10/2020	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2020	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2020	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2020	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2020	Collinsville
Arkansas	ADEQ	88-0966		3/14/2021	Collinsville
Illinois	IDPH	17584		5/31/2021	Collinsville
Kentucky	UST	0073		3/3/2020	Collinsville
Missouri	MDNR	00930		5/31/2021	Collinsville
Missouri	MDNR	930		1/31/2022	Collinsville



# Laboratory Results

<http://www.teklabinc.com/>

Client: RJN Group  
 Client Project: NPDES/15-3069  
 Lab ID: 20030575-001  
 Matrix: AQUEOUS

Work Order: 20030575  
 Report Date: 17-Mar-2020  
 Client Sample ID: Upstream  
 Collection Date: 03/10/2020 10:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>STANDARD METHODS 22ND ED. 9222 D MEMBRANE FILTER</b>								
Fecal Coliform	*	100		<b>900</b>	CFU/100ml	100	03/10/2020 13:39	R273966
<b>EPA 1664A</b>								
Hexane Extractable Material	NELAP	6		< 6	mg/L	1	03/16/2020 15:00	R274201
<b>EPA 600 351.2 R2.0, 353.2 R2.0</b>								
Nitrogen, Total	*	1.0		< 1.0	mg/L	1	03/13/2020 0:00	R274107
<b>EPA 600 365.4 (TOTAL)</b>								
Phosphorus, Total (as P)	NELAP	0.100		< 0.100	mg/L	1	03/11/2020 9:58	163031
<b>STANDARD METHODS 2540 D 1997</b>								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	03/12/2020 11:38	R274058
<b>STANDARD METHODS 4500-CL E (TOTAL) 1997</b>								
Chloride	NELAP	20		<b>139</b>	mg/L	5	03/10/2020 20:12	R273991



## Laboratory Results

<http://www.teklabinc.com/>

Client: RJN Group  
 Client Project: NPDES/15-3069  
 Lab ID: 20030575-002  
 Matrix: AQUEOUS

Work Order: 20030575  
 Report Date: 17-Mar-2020  
 Client Sample ID: Downstream  
 Collection Date: 03/10/2020 10:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>STANDARD METHODS 22ND ED. 9222 D MEMBRANE FILTER</b>								
Fecal Coliform	*	100		<b>1000</b>	CFU/100ml	100	03/10/2020 13:39	R273966
<b>EPA 1664A</b>								
Hexane Extractable Material	NELAP	6		< 6	mg/L	1	03/16/2020 15:00	R274201
<b>EPA 600 351.2 R2.0, 353.2 R2.0</b>								
Nitrogen, Total	*	1.0		<b>2.2</b>	mg/L	1	03/13/2020 0:00	R274107
<b>EPA 600 365.4 (TOTAL)</b>								
Phosphorus, Total (as P)	NELAP	0.100		<b>0.518</b>	mg/L	1	03/11/2020 10:00	163031
<b>STANDARD METHODS 2540 D 1997</b>								
Total Suspended Solids	NELAP	6	R	<b>44</b>	mg/L	1	03/12/2020 11:47	R274058
<i>RPD for DUP was outside control limits due to sample composition.</i>								
<b>STANDARD METHODS 4500-CL E (TOTAL) 1997</b>								
Chloride	NELAP	20		<b>61</b>	mg/L	5	03/10/2020 20:18	R273991



# Receiving Check List

<http://www.teklabinc.com/>

Client: RJN Group

Work Order: 20030575

Client Project: NPDES/15-3069

Report Date: 17-Mar-2020

Carrier: Employee

Received By: KMT

Completed by:

Reviewed by:

On:

10-Mar-2020

Amanda R. Ham

On:

10-Mar-2020

Elizabeth A. Hurley

Pages to follow: Chain of custody

Extra pages included

- |   |   |   |  |                                  |
|---|---|---|--|----------------------------------|
| Shipping container/cooler in good condition?            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             | Not Present <input type="checkbox"/>   | Temp °C <b>11.1</b>              |
| Type of thermal preservation?                           | None <input type="checkbox"/>           | Ice <input checked="" type="checkbox"/> | Blue Ice <input type="checkbox"/>      | Dry Ice <input type="checkbox"/> |
| Chain of custody present?                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             |  |                                  |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             |  |                                  |
| Chain of custody agrees with sample labels?             | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             |  |                                  |
| Samples in proper container/bottle?                     | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             |  |                                  |
| Sample containers intact?                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             |  |                                  |
| Sufficient sample volume for indicated test?            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             |  |                                  |
| All samples received within holding time?               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             |  |                                  |
| Reported field parameters measured:                     | Field <input type="checkbox"/>          | Lab <input type="checkbox"/>            | NA <input checked="" type="checkbox"/> |                                  |
| Container/Temp Blank temperature in compliance?         | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             |  |                                  |

*When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.*

- |   |   |                             |   |
|---|---|-----------------------------|---|
| Water – at least one vial per sample has zero headspace?  | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | No VOA vials <input checked="" type="checkbox"/>      |
| Water - TOX containers have zero headspace?               | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | No TOX containers <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt?                       | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/>                           |
| NPDES/CWA TCN interferences checked/treated in the field? | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/>                |

**Any No responses must be detailed below or on the COC.**



June 04, 2020

Noelle Gaspard  
RJN Group  
2000 South 8th St.  
St. Louis, MO 63104  
TEL: (314) 588-9764  
FAX:



**RE:** NPDES/15-3069

**WorkOrder:** 20051526

Dear Noelle Gaspard:

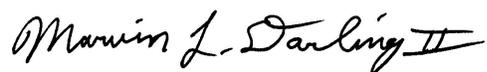
TEKLAB, INC received 2 samples on 5/26/2020 10:55:00 AM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Marvin L. Darling  
Project Manager  
(618)344-1004 ex 41  
[mdarling@teklabinc.com](mailto:mdarling@teklabinc.com)



## Report Contents

<http://www.teklabinc.com/>

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**Client:** RJN Group

**Work Order:** 20051526

**Client Project:** NPDES/15-3069

**Report Date:** 04-Jun-2020

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**This reporting package includes the following:**

Cover Letter	1
Report Contents	2
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Laboratory Results	6
Receiving Check List	8
Chain of Custody	Appended

Client: RJN Group

Work Order: 20051526

Client Project: NPDES/15-3069

Report Date: 04-Jun-2020

### Abbr Definition

- \* Analytes on report marked with an asterisk are not NELAP accredited
- CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- CRQL A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.
- DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.
- DNI Did not ignite
- DUP Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.
- ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- IDPH IL Dept. of Public Health
- LCS Laboratory control sample is a sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.
- LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
- MBLK Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
- MDL "The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."
- MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
- MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
- MW Molecular weight
- ND Not Detected at the Reporting Limit
- NELAP NELAP Accredited
- PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.
- RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
- SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
- Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
- TIC Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"
- TNTC Too numerous to count ( > 200 CFU )

### Qualifiers

- |   |  |
|---|--|
| # - Unknown hydrocarbon                               | B - Analyte detected in associated Method Blank              |
| C - RL shown is a Client Requested Quantitation Limit | E - Value above quantitation range                           |
| H - Holding times exceeded                            | I - Associated internal standard was outside method criteria |
| J - Analyte detected below quantitation limits        | M - Manual Integration used to determine area response       |
| ND - Not Detected at the Reporting Limit              | R - RPD outside accepted recovery limits                     |
| S - Spike Recovery outside recovery limits            | T - TIC(Tentatively identified compound)                     |
| X - Value exceeds Maximum Contaminant Level           |  |



## Case Narrative

<http://www.teklabinc.com/>

**Client:** RJN Group

**Work Order:** 20051526

**Client Project:** NPDES/15-3069

**Report Date:** 04-Jun-2020

**Cooler Receipt Temp:** 19.7 °C

---

### Locations

#### Collinsville

**Address** 5445 Horseshoe Lake Road  
Collinsville, IL 62234-7425  
**Phone** (618) 344-1004  
**Fax** (618) 344-1005  
**Email** jhriley@teklabinc.com

#### Collinsville Air

**Address** 5445 Horseshoe Lake Road  
Collinsville, IL 62234-7425  
**Phone** (618) 344-1004  
**Fax** (618) 344-1005  
**Email** EHurley@teklabinc.com

#### Springfield

**Address** 3920 Pintail Dr  
Springfield, IL 62711-9415  
**Phone** (217) 698-1004  
**Fax** (217) 698-1005  
**Email** KKlostermann@teklabinc.com

#### Chicago

**Address** 1319 Butterfield Rd.  
Downers Grove, IL 60515  
**Phone** (630) 324-6855  
**Fax**  
**Email** arenner@teklabinc.com

#### Kansas City

**Address** 8421 Nieman Road  
Lenexa, KS 66214  
**Phone** (913) 541-1998  
**Fax** (913) 541-1998  
**Email** jhriley@teklabinc.com



## Accreditations

<http://www.teklabinc.com/>

Client: RJN Group

Work Order: 20051526

Client Project: NPDES/15-3069

Report Date: 04-Jun-2020

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2021	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2021	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2021	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2021	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2020	Collinsville
Arkansas	ADEQ	88-0966		3/14/2021	Collinsville
Illinois	IDPH	17584		5/31/2021	Collinsville
Kentucky	UST	0073		1/31/2021	Collinsville
Missouri	MDNR	00930		5/31/2021	Collinsville
Missouri	MDNR	930		1/31/2022	Collinsville



## Laboratory Results

<http://www.teklabinc.com/>

Client: RJN Group  
 Client Project: NPDES/15-3069  
 Lab ID: 20051526-001  
 Matrix: AQUEOUS

Work Order: 20051526  
 Report Date: 04-Jun-2020  
 Client Sample ID: Upstream  
 Collection Date: 05/26/2020 9:54

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>STANDARD METHODS 22ND ED. 9222 D MEMBRANE FILTER</b>								
Fecal Coliform	*	100		1300	CFU/100ml	100	05/26/2020 16:24	R277135
<b>EPA 1664A</b>								
Hexane Extractable Material	NELAP	6		10	mg/L	1	06/03/2020 15:22	R277475
<b>EPA 600 351.2 R2.0, 353.2 R2.0</b>								
Nitrogen, Total	*	1.0		< 1.0	mg/L	1	05/27/2020 0:00	R277142
<b>EPA 600 365.4 (TOTAL)</b>								
Phosphorus, Total (as P)	NELAP	0.100		< 0.100	mg/L	1	05/27/2020 12:24	165547
<b>STANDARD METHODS 2540 D 1997</b>								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	05/29/2020 12:51	R277271
<b>STANDARD METHODS 4500-CL E (TOTAL) 1997</b>								
Chloride	NELAP	20		186	mg/L	5	05/29/2020 0:39	R277253



# Laboratory Results

<http://www.teklabinc.com/>

Client: RJN Group  
 Client Project: NPDES/15-3069  
 Lab ID: 20051526-002  
 Matrix: AQUEOUS

Work Order: 20051526  
 Report Date: 04-Jun-2020  
 Client Sample ID: Downstream  
 Collection Date: 05/26/2020 10:23

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>STANDARD METHODS 22ND ED. 9222 D MEMBRANE FILTER</b>								
Fecal Coliform	*	100		<b>2100</b>	CFU/100ml	100	05/26/2020 16:24	R277135
<b>EPA 1664A</b>								
Hexane Extractable Material	NELAP	6		< 6	mg/L	1	06/03/2020 8:43	R277473
<b>EPA 600 351.2 R2.0, 353.2 R2.0</b>								
Nitrogen, Total	*	1.0		<b>3.6</b>	mg/L	1	05/27/2020 0:00	R277142
<b>EPA 600 365.4 (TOTAL)</b>								
Phosphorus, Total (as P)	NELAP	0.100		<b>0.187</b>	mg/L	1	05/27/2020 12:27	165547
<b>STANDARD METHODS 2540 D 1997</b>								
Total Suspended Solids	NELAP	6		<b>9</b>	mg/L	1	05/29/2020 12:51	R277271
<b>STANDARD METHODS 4500-CL E (TOTAL) 1997</b>								
Chloride	NELAP	8		<b>71</b>	mg/L	2	05/29/2020 0:41	R277253



# Receiving Check List

<http://www.teklabinc.com/>

Client: RJN Group

Work Order: 20051526

Client Project: NPDES/15-3069

Report Date: 04-Jun-2020

Carrier: Anthony Vitale

Received By: AMD

Completed by:

Reviewed by:

On:

26-May-2020

Amanda R. Ham

On:

26-May-2020

Elizabeth A. Hurley

Pages to follow: Chain of custody

Extra pages included

- |   |   |   |  |                                  |
|---|---|---|--|----------------------------------|
| Shipping container/cooler in good condition?            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             | Not Present <input type="checkbox"/>   | Temp °C <b>19.7</b>              |
| Type of thermal preservation?                           | None <input type="checkbox"/>           | Ice <input checked="" type="checkbox"/> | Blue Ice <input type="checkbox"/>      | Dry Ice <input type="checkbox"/> |
| Chain of custody present?                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             |  |                                  |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             |  |                                  |
| Chain of custody agrees with sample labels?             | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             |  |                                  |
| Samples in proper container/bottle?                     | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             |  |                                  |
| Sample containers intact?                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             |  |                                  |
| Sufficient sample volume for indicated test?            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             |  |                                  |
| All samples received within holding time?               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             |  |                                  |
| Reported field parameters measured:                     | Field <input type="checkbox"/>          | Lab <input type="checkbox"/>            | NA <input checked="" type="checkbox"/> |                                  |
| Container/Temp Blank temperature in compliance?         | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             |  |                                  |

*When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.*

- |   |   |                             |   |
|---|---|-----------------------------|---|
| Water – at least one vial per sample has zero headspace?  | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | No VOA vials <input checked="" type="checkbox"/>      |
| Water - TOX containers have zero headspace?               | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | No TOX containers <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt?                       | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/>                           |
| NPDES/CWA TCN interferences checked/treated in the field? | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/>                |

**Any No responses must be detailed below or on the COC.**



July 29, 2020

Noelle Gaspard  
RJN Group  
2000 South 8th St.  
St. Louis, MO 63104  
TEL: (314) 588-9764  
FAX:



**RE:** NPDES/15-3069

**WorkOrder:** 20071297

Dear Noelle Gaspard:

TEKLAB, INC received 2 samples on 7/21/2020 1:46:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Marvin L. Darling  
Project Manager  
(618)344-1004 ex 41  
[mdarling@teklabinc.com](mailto:mdarling@teklabinc.com)



## Report Contents

<http://www.teklabinc.com/>

---

**Client:** RJN Group

**Work Order:** 20071297

**Client Project:** NPDES/15-3069

**Report Date:** 29-Jul-2020

---

**This reporting package includes the following:**

Cover Letter	1
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Laboratory Results	6
Receiving Check List	8
Chain of Custody	Appended

Client: RJN Group

Work Order: 20071297

Client Project: NPDES/15-3069

Report Date: 29-Jul-2020

### Abbr Definition

- \* Analytes on report marked with an asterisk are not NELAP accredited
- CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- CRQL A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.
- DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.
- DNI Did not ignite
- DUP Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.
- ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- IDPH IL Dept. of Public Health
- LCS Laboratory control sample is a sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.
- LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
- MBLK Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
- MDL "The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."
- MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
- MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
- MW Molecular weight
- ND Not Detected at the Reporting Limit
- NELAP NELAP Accredited
- PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.
- RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
- SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
- Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
- TIC Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"
- TNTC Too numerous to count ( > 200 CFU )

### Qualifiers

- |   |  |
|---|--|
| # - Unknown hydrocarbon                               | B - Analyte detected in associated Method Blank              |
| C - RL shown is a Client Requested Quantitation Limit | E - Value above quantitation range                           |
| H - Holding times exceeded                            | I - Associated internal standard was outside method criteria |
| J - Analyte detected below quantitation limits        | M - Manual Integration used to determine area response       |
| ND - Not Detected at the Reporting Limit              | R - RPD outside accepted recovery limits                     |
| S - Spike Recovery outside recovery limits            | T - TIC(Tentatively identified compound)                     |
| X - Value exceeds Maximum Contaminant Level           |  |



## Case Narrative

<http://www.teklabinc.com/>

**Client:** RJN Group

**Work Order:** 20071297

**Client Project:** NPDES/15-3069

**Report Date:** 29-Jul-2020

**Cooler Receipt Temp:** 18.7 °C

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### Locations

---

#### Collinsville

**Address** 5445 Horseshoe Lake Road  
Collinsville, IL 62234-7425

**Phone** (618) 344-1004

**Fax** (618) 344-1005

**Email** jhriley@teklabinc.com

---

#### Collinsville Air

**Address** 5445 Horseshoe Lake Road  
Collinsville, IL 62234-7425

**Phone** (618) 344-1004

**Fax** (618) 344-1005

**Email** EHurley@teklabinc.com

---

#### Springfield

**Address** 3920 Pintail Dr  
Springfield, IL 62711-9415

**Phone** (217) 698-1004

**Fax** (217) 698-1005

**Email** KKlostermann@teklabinc.com

---

#### Chicago

**Address** 1319 Butterfield Rd.  
Downers Grove, IL 60515

**Phone** (630) 324-6855

**Fax**

**Email** arenner@teklabinc.com

---

#### Kansas City

**Address** 8421 Nieman Road  
Lenexa, KS 66214

**Phone** (913) 541-1998

**Fax** (913) 541-1998

**Email** jhriley@teklabinc.com



## Accreditations

<http://www.teklabinc.com/>

Client: RJN Group

Work Order: 20071297

Client Project: NPDES/15-3069

Report Date: 29-Jul-2020

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2021	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2021	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2021	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2021	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2020	Collinsville
Arkansas	ADEQ	88-0966		3/14/2021	Collinsville
Illinois	IDPH	17584		5/31/2021	Collinsville
Kentucky	UST	0073		1/31/2021	Collinsville
Missouri	MDNR	00930		5/31/2021	Collinsville
Missouri	MDNR	930		1/31/2022	Collinsville



## Laboratory Results

<http://www.teklabinc.com/>

Client: RJN Group  
 Client Project: NPDES/15-3069  
 Lab ID: 20071297-001  
 Matrix: AQUEOUS

Work Order: 20071297  
 Report Date: 29-Jul-2020  
 Client Sample ID: Upstream  
 Collection Date: 07/21/2020 11:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>STANDARD METHODS 22ND ED. 9222 D MEMBRANE FILTER</b>								
Fecal Coliform	*	100		<b>700</b>	CFU/100ml	100	07/21/2020 15:41	R279519
<b>EPA 1664A</b>								
Hexane Extractable Material	NELAP	6		<b>&lt; 6</b>	mg/L	1	07/23/2020 11:49	R279625
<b>EPA 600 351.2 R2.0, 353.2 R2.0</b>								
Nitrogen, Total	*	1.0		<b>&lt; 1.0</b>	mg/L	1	07/28/2020 0:00	R279745
<b>EPA 600 365.4 (TOTAL)</b>								
Phosphorus, Total (as P)	NELAP	0.100	S	<b>&lt; 0.100</b>	mg/L	1	07/22/2020 9:59	167528
<i>Matrix spike recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable.</i>								
<b>STANDARD METHODS 2540 D 1997</b>								
Total Suspended Solids	NELAP	6		<b>&lt; 6</b>	mg/L	1	07/22/2020 12:36	R279538
<b>STANDARD METHODS 4500-CL E (TOTAL) 1997</b>								
Chloride	NELAP	20		<b>68</b>	mg/L	5	07/22/2020 21:09	R279567



## Laboratory Results

<http://www.teklabinc.com/>

Client: RJN Group  
 Client Project: NPDES/15-3069  
 Lab ID: 20071297-002  
 Matrix: AQUEOUS

Work Order: 20071297  
 Report Date: 29-Jul-2020  
 Client Sample ID: Downstream  
 Collection Date: 07/21/2020 12:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>STANDARD METHODS 22ND ED. 9222 D MEMBRANE FILTER</b>								
Fecal Coliform	*	100		1100	CFU/100ml	100	07/21/2020 15:41	R279519
<b>EPA 1664A</b>								
Hexane Extractable Material	NELAP	5		< 5	mg/L	1	07/23/2020 11:49	R279625
<b>EPA 600 351.2 R2.0, 353.2 R2.0</b>								
Nitrogen, Total	*	1.0		2.9	mg/L	1	07/28/2020 0:00	R279745
<b>EPA 600 365.4 (TOTAL)</b>								
Phosphorus, Total (as P)	NELAP	0.100		0.227	mg/L	1	07/22/2020 10:09	167528
<b>STANDARD METHODS 2540 D 1997</b>								
Total Suspended Solids	NELAP	6		20	mg/L	1	07/22/2020 12:36	R279538
<b>STANDARD METHODS 4500-CL E (TOTAL) 1997</b>								
Chloride	NELAP	8		54	mg/L	2	07/22/2020 21:11	R279567



# Receiving Check List

<http://www.teklabinc.com/>

Client: RJN Group

Work Order: 20071297

Client Project: NPDES/15-3069

Report Date: 29-Jul-2020

Carrier: Sanjiv Vajjala

Received By: AMD

Completed by:

*Amber Dilallo*

Reviewed by:

*Elizabeth A. Hurley*

On:

21-Jul-2020

Amber M. Dilallo

On:

21-Jul-2020

Elizabeth A. Hurley

Pages to follow: Chain of custody

Extra pages included

- |   |   |   |  |                                  |
|---|---|---|--|----------------------------------|
| Shipping container/cooler in good condition?            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             | Not Present <input type="checkbox"/>   | Temp °C <b>18.7</b>              |
| Type of thermal preservation?                           | None <input type="checkbox"/>           | Ice <input checked="" type="checkbox"/> | Blue Ice <input type="checkbox"/>      | Dry Ice <input type="checkbox"/> |
| Chain of custody present?                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             |  |                                  |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             |  |                                  |
| Chain of custody agrees with sample labels?             | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             |  |                                  |
| Samples in proper container/bottle?                     | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             |  |                                  |
| Sample containers intact?                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             |  |                                  |
| Sufficient sample volume for indicated test?            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             |  |                                  |
| All samples received within holding time?               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             |  |                                  |
| Reported field parameters measured:                     | Field <input type="checkbox"/>          | Lab <input type="checkbox"/>            | NA <input checked="" type="checkbox"/> |                                  |
| Container/Temp Blank temperature in compliance?         | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             |  |                                  |

*When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.*

- |   |   |                             |   |
|---|---|-----------------------------|---|
| Water – at least one vial per sample has zero headspace?  | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | No VOA vials <input checked="" type="checkbox"/>      |
| Water - TOX containers have zero headspace?               | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | No TOX containers <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt?                       | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/>                           |
| NPDES/CWA TCN interferences checked/treated in the field? | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/>                |

**Any No responses must be detailed below or on the COC.**

# CHAIN OF CUSTODY

pg. \_\_\_\_\_ of \_\_\_\_\_

Work order # 20071297

**TEKLAB, INC. 5445 Horseshoe Lake Road - Collinsville, IL 62234 - Phone: (618) 344-1004 - Fax: (618) 344-1005**

**Client:** RJN Group  
**Address:** 2000 South 8th St.  
**City / State / Zip:** St. Louis, MO 63104  
**Contact:** Noelle Gaspard **Phone:** (314) 588-9764  
**E-Mail:** ngaspard@rjnmail.com **Fax:** \_\_\_\_\_

**Samples on:**  ICE  BLUE ICE  NO ICE 18.7 °C  
**Preserved in:**  LAB  FIELD **FOR LAB USE ONLY**  
**Lab Notes:** W 7/21/20

**Client Comments:**  
NOAA 07/20/20 2.11"

Are these samples known to be involved in litigation? If yes, a surcharge will apply  Yes  No  
 Are these samples known to be hazardous?  Yes  No  
 Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section.  Yes  No

Project Name/Number		Sample Collector's Name				MATRIX		INDICATE ANALYSIS REQUESTED																
NPDES/15-3069						Aqueous		Chloride	Fecal Coliform	Oil and Grease	Phosphorus	Total Nitrogen	TSS											
Results Requested	Billing Instructions	# and Type of Containers																						
<input checked="" type="checkbox"/> Standard <input type="checkbox"/> 1-2 Day (100% Surcharge) <input type="checkbox"/> Other <input type="checkbox"/> 3 Day (50% Surcharge)		UNP	H2SO4																					
Lab Use Only	Sample Identification	Date/Time Sampled																						
<u>20071297</u>	Upstream	<u>7-21-20 1145AM</u>		2	2																			
<u>002</u>	Downstream	<u>7-21-20 1200PM</u>		2	2																			

Relinquished By	Date/Time	Received By	Date/Time
<u>Sanjiv Verjola</u>	<u>07/21 2:00PM</u>	<u>[Signature]</u>	<u>7/21/20 1:34p</u>

The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See [www.teklabinc.com](http://www.teklabinc.com) for terms and conditions.

BottleOrder: 58976



W 7/21/20

October 27, 2020

Noelle Gaspard  
RJN Group  
2000 South 8th St.  
St. Louis, MO 63104  
TEL: (314) 588-9764  
FAX:



Illinois	100226
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

**RE:** NPDES/15-3069

**WorkOrder:** 20101263

Dear Noelle Gaspard:

TEKLAB, INC received 2 samples on 10/20/2020 11:31:00 AM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Marvin L. Darling  
Project Manager  
(618)344-1004 ex 41  
[mdarling@teklabinc.com](mailto:mdarling@teklabinc.com)



## Report Contents

<http://www.teklabinc.com/>

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**Client:** RJN Group

**Work Order:** 20101263

**Client Project:** NPDES/15-3069

**Report Date:** 27-Oct-2020

---

**This reporting package includes the following:**

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Receiving Check List	9
Chain of Custody	Appended

Client: RJN Group

Work Order: 20101263

Client Project: NPDES/15-3069

Report Date: 27-Oct-2020

### Abbr Definition

\* Analytes on report marked with an asterisk are not NELAP accredited

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.

CRQL A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.

DNI Did not ignite

DUP Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.

IDPH IL Dept. of Public Health

LCS Laboratory control sample is a sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.

LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MBLK Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.

MDL "The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MW Molecular weight

NC Data is not acceptable for compliance purposes

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.

RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.

RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.

Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.

TIC Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"

TNTC Too numerous to count (> 200 CFU)

**Client:** RJN Group

**Work Order:** 20101263

**Client Project:** NPDES/15-3069

**Report Date:** 27-Oct-2020

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### Qualifiers

- # - Unknown hydrocarbon
- C - RL shown is a Client Requested Quantitation Limit
- H - Holding times exceeded
- J - Analyte detected below quantitation limits
- ND - Not Detected at the Reporting Limit
- S - Spike Recovery outside recovery limits
- X - Value exceeds Maximum Contaminant Level
- B - Analyte detected in associated Method Blank
- E - Value above quantitation range
- I - Associated internal standard was outside method criteria
- M - Manual Integration used to determine area response
- R - RPD outside accepted recovery limits
- T - TIC(Tentatively identified compound)



## Case Narrative

<http://www.teklabinc.com/>

**Client:** RJN Group

**Work Order:** 20101263

**Client Project:** NPDES/15-3069

**Report Date:** 27-Oct-2020

**Cooler Receipt Temp:** 12.1 °C

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### Locations

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#### Collinsville

**Address** 5445 Horseshoe Lake Road  
Collinsville, IL 62234-7425  
**Phone** (618) 344-1004  
**Fax** (618) 344-1005  
**Email** jhriley@teklabinc.com

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#### Collinsville Air

**Address** 5445 Horseshoe Lake Road  
Collinsville, IL 62234-7425  
**Phone** (618) 344-1004  
**Fax** (618) 344-1005  
**Email** EHurley@teklabinc.com

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#### Springfield

**Address** 3920 Pintail Dr  
Springfield, IL 62711-9415  
**Phone** (217) 698-1004  
**Fax** (217) 698-1005  
**Email** KKlostermann@teklabinc.com

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#### Chicago

**Address** 1319 Butterfield Rd.  
Downers Grove, IL 60515  
**Phone** (630) 324-6855  
**Fax**  
**Email** arenner@teklabinc.com

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#### Kansas City

**Address** 8421 Nieman Road  
Lenexa, KS 66214  
**Phone** (913) 541-1998  
**Fax** (913) 541-1998  
**Email** jhriley@teklabinc.com



## Accreditations

<http://www.teklabinc.com/>

Client: RJN Group

Work Order: 20101263

Client Project: NPDES/15-3069

Report Date: 27-Oct-2020

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2021	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2021	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2021	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2021	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2021	Collinsville
Arkansas	ADEQ	88-0966		3/14/2021	Collinsville
Illinois	IDPH	17584		5/31/2021	Collinsville
Kentucky	UST	0073		1/31/2021	Collinsville
Missouri	MDNR	00930		5/31/2021	Collinsville
Missouri	MDNR	930		1/31/2022	Collinsville



## Laboratory Results

<http://www.teklabinc.com/>

Client: RJN Group  
 Client Project: NPDES/15-3069  
 Lab ID: 20101263-001  
 Matrix: AQUEOUS

Work Order: 20101263  
 Report Date: 27-Oct-2020  
 Client Sample ID: Upstream  
 Collection Date: 10/20/2020 10:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>STANDARD METHODS 22ND ED. 9222 D MEMBRANE FILTER</b>								
Fecal Coliform	*	100		2500	CFU/100ml	100	10/20/2020 14:12	R283003
<b>EPA 1664A</b>								
Hexane Extractable Material	NELAP	6		< 6	mg/L	1	10/22/2020 11:08	R283109
<b>EPA 600 351.2 R2.0, 353.2 R2.0</b>								
Nitrogen, Total	*	1.0		< 1.0	mg/L	1	10/22/2020 0:00	R283059
<b>EPA 600 365.4 (TOTAL)</b>								
Phosphorus, Total (as P)	NELAP	0.100		< 0.100	mg/L	1	10/21/2020 10:31	170321
<b>STANDARD METHODS 2540 D 1997</b>								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	10/22/2020 11:08	R283093
<b>STANDARD METHODS 4500-CL E (TOTAL) 1997</b>								
Chloride	NELAP	20		111	mg/L	5	10/22/2020 14:03	R283113



# Laboratory Results

<http://www.teklabinc.com/>

Client: RJN Group  
 Client Project: NPDES/15-3069  
 Lab ID: 20101263-002  
 Matrix: AQUEOUS

Work Order: 20101263  
 Report Date: 27-Oct-2020  
 Client Sample ID: Downstream  
 Collection Date: 10/20/2020 10:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>STANDARD METHODS 22ND ED. 9222 D MEMBRANE FILTER</b>								
Fecal Coliform	*	100		5200	CFU/100ml	100	10/20/2020 14:12	R283003
<b>EPA 1664A</b>								
Hexane Extractable Material	NELAP	6		< 6	mg/L	1	10/22/2020 11:08	R283109
<b>EPA 600 351.2 R2.0, 353.2 R2.0</b>								
Nitrogen, Total	*	1.0		3.6	mg/L	1	10/22/2020 0:00	R283059
<b>EPA 600 365.4 (TOTAL)</b>								
Phosphorus, Total (as P)	NELAP	0.100		0.422	mg/L	1	10/21/2020 10:33	170321
<b>STANDARD METHODS 2540 D 1997</b>								
Total Suspended Solids	NELAP	6		35	mg/L	1	10/22/2020 11:24	R283093
<b>STANDARD METHODS 4500-CL E (TOTAL) 1997</b>								
Chloride	NELAP	20		54	mg/L	5	10/22/2020 14:08	R283113



# Receiving Check List

<http://www.teklabinc.com/>

Client: RJN Group

Work Order: 20101263

Client Project: NPDES/15-3069

Report Date: 27-Oct-2020

Carrier: Sanjiv Vajjala

Received By: AH

Completed by:

Reviewed by:

On:

20-Oct-2020

On:

20-Oct-2020

Kim Taylor

Elizabeth A. Hurley

Pages to follow: Chain of custody

Extra pages included

- Shipping container/cooler in good condition? Yes  No  Not Present  Temp °C **12.1**
- Type of thermal preservation? None  Ice  Blue Ice  Dry Ice
- Chain of custody present? Yes  No
- Chain of custody signed when relinquished and received? Yes  No
- Chain of custody agrees with sample labels? Yes  No
- Samples in proper container/bottle? Yes  No
- Sample containers intact? Yes  No
- Sufficient sample volume for indicated test? Yes  No
- All samples received within holding time? Yes  No
- Reported field parameters measured: Field  Lab  NA
- Container/Temp Blank temperature in compliance? Yes  No

*When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.*

- Water – at least one vial per sample has zero headspace? Yes  No  No VOA vials
- Water - TOX containers have zero headspace? Yes  No  No TOX containers
- Water - pH acceptable upon receipt? Yes  No  NA
- NPDES/CWA TCN interferences checked/treated in the field? Yes  No  NA

**Any No responses must be detailed below or on the COC.**

pH strip #74263. - kmtaylor - 10/20/2020 12:24:11 PM

# CHAIN OF CUSTODY

pg. \_\_\_\_\_ of \_\_\_\_\_ Work order # 20101263

TEKLAB, INC. 5445 Horseshoe Lake Road - Collinsville, IL 62234 - Phone: (618) 344-1004 - Fax: (618) 344-1005

**Client:** RJN Group  
**Address:** 2000 South 8th St.  
**City / State / Zip:** St. Louis, MO 63104  
**Contact:** Noelle Gaspard **Phone:** (314) 588-9764  
**E-Mail:** ngaspard@rjnmail.com **Fax:** \_\_\_\_\_

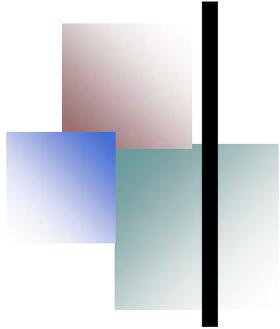
**Samples on:**  ICE  BLUE ICE  NO ICE 12.1 °C LTG# 4  
**Preserved in:**  LAB  FIELD **FOR LAB USE ONLY**  
**Lab Notes:** 10102020 - pH strip # 74263 K1 102020

Are these samples known to be involved in litigation? If yes, a surcharge will apply  Yes  No  
 Are these samples known to be hazardous?  Yes  No  
 Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section.  Yes  No

**Client Comments**  
NOAA 10/19/20 2.1"

Project Name/Number		Sample Collector's Name		MATRIX		INDICATE ANALYSIS REQUESTED															
NPDES/15-3069		<u>SANJIV VAJRALA</u>		Aqueous		Chloride	Fecal Coliform	Oil and Grease	Phosphorus	Total Nitrogen	TSS										
Results Requested	Billing Instructions	# and Type of Containers																			
<input checked="" type="checkbox"/> Standard <input type="checkbox"/> 1-2 Day (100% Surcharge) <input type="checkbox"/> Other <input type="checkbox"/> 3 Day (50% Surcharge)		UNP	H2SO4																		
Lab Use Only	Sample Identification	Date/Time Sampled																			
<u>20101263 - CCI</u>	Upstream	<u>10-20 1065 AM</u>		2	2																
<u>- CCI</u>	Downstream	<u>10-20 1045 AM</u>		2	2																

Relinquished By	Date/Time	Received By	Date/Time
<u>SANJIV VAJRALA</u>	<u>10/20/20 11:31</u>	<u>[Signature]</u>	<u>10/20/20 1131</u>



# CERTIFICATE OF ATTENDANCE

Jonathan Nolan

*Name*

City of O'Fallon

*Organization*

has participated in the MS4 training that included "Annual Report Preparation" and "New 2021 NOI" presented by Noelle Gaspard of RJN Group held at the Shiloh Senior Center located at 1 Park Drive in Shiloh, Illinois on **March 5, 2020** and is awarded 1 PDH

*Noelle Gaspard*

Noelle Gaspard, PE, GISP, CFM  
Stormwater Practice Lead  
RJN Group, Inc.

**rjn**group  
*Engineering* infrastructure for tomorrow

