



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, 2018 To March, 2019

Permit No. ILR40 0270

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

Name: ST. CLAIR COUNTY Mailing Address 1: 10 PUBLIC SQUARE

Mailing Address 2: _____ County: St. Clair

City: BELLEVILLE State: IL Zip: 62220 Telephone: 618-233-1392

Contact Person: NORMAN ETLING Email Address: _____
(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

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

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))

Norman Etling

Owner Signature:

NORMAN ETLING

Printed Name:

5/16/2019

Date:

COUNTY ENGINEER

Title:

EMAIL COMPLETED FORM TO: 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 X

Persons Responsible: Yes _____ No X

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 2018-2019 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 2018-February 2019:

- 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 stormwater 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 three (3) 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 storm water 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 storm water 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 Best Management Practices, Good Housekeeping, and a review of some of the public awareness BMPs other communities use.
- 13) **D.5-** St. Clair County continued to maintain a stormwater hotline number to address public concerns related to stormwater 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 2014-2019 NOI can be found on the IEPA website.

St. Clair County FOIA Officer for the reporting year:

Name: Sean Murley

Title: Assistant States Attorney

Telephone Number: (618) 825-2463

IEPA Annual Report for Stormwater Discharges from MS4 Communities- Period: March 2018 through February 2019

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
BMP No. A.1 - Distributed Paper Materials- Informational Brochures								
Milestone For Reporting Year: Promote the availability of brochures to the residents.								
		X	The County has brochures available to residents at the Highway Department. Educational topics include stormwater ordinances, green infrastructure strategies and structures, lawn & garden care, storage & disposal of paints, fuels and oils, and winter deicing materials storage and use, and pollution prevention. The St. Clair County storm water hotline number is included.			X	The County will continue to make educational brochures available to the public.	On-going through 2019-2020 permit year.
BMP No. A.4- Community Event- Sponsor Annual Booth at the Earth Day Festival								
Milestone For Reporting Year: St. Clair County sponsored a booth at the Earth Day Celebration.								
		X	St. Clair County sponsored a booth and distributed stormwater materials at the Health Department Earth Day Celebration in April 2018. About 134 stormwater brochures were distributed regarding tree planting, gardening, water quality, groundwater, and stormwater.			X	St. Clair County is responsible for the booth and tracking the number of brochures handed out.	The 2019 Earth Day event will be in May.
BMP No. A.5- Classroom Education Material								
Milestone For Reporting Year: Communities distributed educational materials and tracked the number of brochures and other materials handed out to the schools.								
		X	St. Clair County posted educational newsletters on the Health Department's Website. And an Earth Day Flyer was distributed to students to encourage participation in the event.	Review of Classroom Education Materials- See page 11		X	The communities will inform local schools that the newsletters are available on the Health Department's Website.	On-going through 2019-2020 permit year.

IEPA Annual Report for Stormwater Discharges from MS4 Communities- Period: March 2018 through February 2019

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
BMP No. B-3- Stakeholder's Meeting- Coordinate Meetings and Annual Reports								
<u>Milestone For Reporting Year:</u> Co-Permittee Group met three (3) times to complete training and to develop and submit the Annual Report.								
		X	Co-Permittee Meetings were held on Feb. 22nd, May 3rd, and October 25th, 2018. Annual reports were provided to communities in May 2018 and submitted to IEPA before June 1st, 2018. Meeting topics included: Annual Reporting, Urban Flood Awareness, and Operations Training. County representatives attended all three meetings.			X	The County will continue to meet with the Co-Permittee Group to share BMPs and training opportunities. The Co-Permittee Group has planned three compliance/training activities for 2019.	On-going through 2019-2020 permit year.
BMP No. B-5- Volunteer Monitoring- Solicit and Encourage Public Assistance in Monitoring the Community's Stormwater System & Stormwater Hotline								
<u>Milestone For Reporting Year:</u> Community will work to involve more public assistance in reporting stormwater issues.								
		X	The County updated brochures and websites with County contact information for the reporting of stormwater issues. Any calls or emails will be recorded and addressed. One was received during this reporting year.			X	The community will continue to respond to and record all public complaints of illicit discharge and/or dumping and storm water issues.	On-going through 2019-2020 permit year.
BMP No. B.6- Program Coordination- Participate in programs targeted at public awareness, including: Inlet Stenciling and Recycling								
<u>Milestone for Reporting Year:</u> St. Clair County continued to promote programs related to stormwater activities. Communities tracked participation.								
		X	County will continue to promote programs related to stormwater activities and recycling. Multiple media outlets will be used to communicate with municipalities.	Review of Community Events - See page 11		X	County will continue to promote programs related to stormwater activities. Multiple media outlets will be used to communicate with municipalities.	On-going through 2019-2020 permit year.

IEPA Annual Report for Stormwater Discharges from MS4 Communities- Period: March 2018 through February 2019

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
BMP No. B.7- Other Public Involvement - the community will provide a public meeting annually for public input into for the MS4 program								
Milestone for Reporting Year: The communities will provide a public meeting annually for public input for the MS4 program.								
		X	The County held a public meeting to invite public input regarding the adequacy of the MS4 Program in January 2019. No comments were received. The County also distributed educational information.	Review of Other Public Involvement - See page 11		X	Community will continue to hold a public meeting to solicit public input regarding the adequacy of the MS4 program.	On-going through 2019-2020 permit year.
BMP No. C.1- Storm Sewer Map Preparation								
Milestone for Reporting Year: Co-Permittee member communities reviewed outfall maps and conducted stream observations annually at bridge inspections.								
		X	Co-Permittee communities reviewed their outfall maps for completeness and updated them if necessary. The County currently has 100% of outfall locations, streams with TMDLs, and names of receiving waters mapped.			X	Communities will begin to update their storm system maps to include modifications to the system.	On-going through 2019-2020 permit year.
BMPs No. C.2, C.9- Regulatory Control Program- Ordinance language for Illicit discharge/public notification								
Milestone for Reporting Year: Communication brochures were distributed to the community.								
		X	St. Clair County distributed brochures at the Earth Day event and at the public input meeting. The County did not update ordinances in the 2018-2019 reporting year.			X	This BMP will not continue into the next NOI.	
BMP No. C.5- Inlet Stenciling								
Milestone for Reporting Year: Survey condition of inlet stencils.								
		X	The County has 95% of inlets marked and is reviewing all inlets, mapping them using GIS, and documenting inlet status as funding permits.	Review of Illicit Source Removal Procedures - See page 11		X	Communities will survey samples of stencils previously installed, replace ones that need to be replaced, and assure all new inlets are installed with stencils.	On-going through 2019-2020 permit year.

IEPA Annual Report for Stormwater Discharges from MS4 Communities- Period: March 2018 through February 2019

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
BMP No. C.6- Program Evaluation and Assessment								
Milestone for Reporting Year: Perform illicit discharge detection and elimination in the Community's stormwater system.								
		X	Communities will perform stream observations during their annual bridge inspections and take appropriate action if any illicit discharge is found.			X	Communities will continue to perform stream observations and address illicit discharge per the community ordinance.	On-going through 2019-2020 permit year.
BMP No. C.9- Public Notification								
Milestone for Reporting Year: Community will update ordinance brochure.								
		X	The County has the previous ordinance update brochures printed but no ordinances were updated during this reporting year.			X	Ordinance brochures will be updated and distributed to the community throughout years 2015-2019	Brochure to be updated in 2019-2020 reporting year.
BMPs No. D.1, E.2, and E.4- Site Plan and Pre-Construction Review Procedures								
Milestone for Reporting Year: Update stormwater ordinance.								
		X	No ordinances were updated during the reporting year.			X	This BMP will not continue into the next NOI.	
BMP No. D.1- Regulatory Control Program								
Milestone for Reporting Year: Require SWPPP on all site plans disturbing more than one acre of land inside the Community.								
		X	The community will require SWPPP on sites disturbing over 1 acre and enforce ordinance provisions.			X	The community will continue to require SWPPP on sites disturbing over 1 acre and verify the proper use of sediment and erosion control techniques.	On-going through 2019-2020 permit year.

IEPA Annual Report for Stormwater Discharges from MS4 Communities- Period: March 2018 through February 2019

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
BMP No. D.2- Erosion and Sediment Control BMPs								
<u>Milestone for Reporting Year:</u> Community will participate in BMP training during Annual Operations Training.								
		X	The community participated in BMP training during the Annual Operations Training on October 25, 2018.			X	Community will continue to participate in BMP training.	On-going through 2019-2020 permit year.
BMP No. D.5- Stormwater Hotline								
<u>Milestone for Reporting Year:</u> County continued to maintain a stormwater hotline number to address public concerns related to stormwater issues. County tracked and reported the number of calls.								
		X	St. Clair County received one hotline calls during the reporting period. Communities respond to complaints of residents for stormwater related issues.			X	County and Communities will respond to calls and emails for stormwater issues.	On-going through 2019-2020 permit year.
BMPs No. D.6 and E.5- Training for Construction Site Inspectors								
<u>Milestone for Reporting Year:</u> Construction Site Inspection training was provided this year.								
		X	No construction site inspection training was required this year.			X	The last Construction Site Inspection training took place in April 2017. This BMP will not continue into the next NOI.	
BMP No. E.2- Regulatory Control Program								
<u>Milestone for Reporting Year:</u> Enforce Stormwater Ordinance.								
		X	Communities will continue to enforce their stormwater ordinance and track changes made to the ordinance.			X	Communities will continue to enforce their stormwater ordinance.	On-going through 2019-2020 permit year.

IEPA Annual Report for Stormwater Discharges from MS4 Communities- Period: March 2018 through February 2019

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
BMP No. E.4- Pre-Construction Review of BMP Designs								
Milestone for Reporting Year: Review post construction BMPs.								
		X	The community will require and review SWPPPs on site plans disturbing more than one (1) acre of land.			X	Communities will review the post construction BMPs on all sites that disturb more than one acre in land.	On-going through 2019-2020 permit year.
BMP No. F.1- Employee Training Program								
Milestone for Reporting Year: The Co-Permittee held an Operations Training class.								
		X	Training focused on a review of the Best Management Practices, Good Housekeeping, and the Storm Water Management Plan. The County attended operations training. Green infrastructure ideas and practices were discussed at other Co-Permittee meetings and in monthly newsletters distributed to community representatives.			X	The Co-Permittee Group will continue holding an Operations Training class as part of education requirements.	On-going through 2019-2020 permit year.
BMP No. F.6- Other Municipal Operations Controls- Standard Operating Procedures								
Milestone for Reporting Year: Communities reviewed operating procedures and BMPs and modified if necessary.								
		X	Municipal operation procedures for the street department were reviewed and modified on January 3, 2019.			X	Operation procedures are reviewed annually. Co-Permittee meetings will include reference to review and update requirements.	On-going through 2019-2020 permit year.

COMMUNITY NAME: St. Clair County

PERMIT #: ILR400270

IEPA Annual Report for Stormwater Discharges from MS4 Communities- Period: March 2018 through February 2019

ADDITIONAL INFORMATION

<u>BMP A.5</u>	<u>Classroom Educational Materials</u> The County has taken steps to educate school children on the severity of stormwater pollution. The St. Clair County Health Department issues a newsletter each month and it is posted on the St. Clair County Health Department's website. The newsletter consists of articles for students with a wide range of pollution topics, including stormwater. The newsletter also lists upcoming recycling events and schools that have won past recycling contests.
<u>BMP B.6</u>	<u>Community Events - Recycling Programs</u> Throughout the year, St. Clair County sponsored community events that potentially could positively impact stormwater quality. These activities include an ongoing "Clean Sweep" program that collected 1,250 tons of waste. The county website includes a list of recycling sites for over 29 different materials.
<u>BMP B.7</u>	<u>Other Public Involvement</u> St. Clair County solicited public input regarding the adequacy of the MS4 program during the public input meeting January 14, 2019. No feedback regarding the MS4 program was received. The public is encouraged to assist in monitoring the community's storm water system by reporting illegal dumping and discharge or storm water issues either directly to their municipality or through the County. The St. Clair County storm water hotline number is posted on the website and is provided in educational brochures.
<u>BMP C.5</u>	<u>Illicit Source Removal Procedures</u> The St. Clair County Highway Department sponsors an Adopt-a-Highway Program throughout the County. By sponsoring this program, St. Clair County is eliminating a significant source of stormwater pollution by keeping trash out of streams and keeping road ditches clear of debris for storm events.

ADDITIONAL COMMUNITY ACTIVITIES

(Make additional copies of form, as necessary)

Community Name: **St. Clair County**

Permit #: **ILR400270**

List any additional community-sponsored activities performed between March 2018 and February 2019 not listed in *Notice of Intent (NOI)* submittal, but which addresses one of the six minimum control measures:

The St. Clair County Board sponsored an abandoned property cleanup called "Clean Sweep" during the reporting year which collected 1250 tons of debris and trash.

The County holds a seat on the Executive Advisory Committee of the East-West Gateway Council of Governments and attended all meetings since June 2018.

The County Street Department cleaned 262 miles of ditches removing 21 truckloads of trash, 6 truckloads of tires, 27 truckloads of limbs, miscellaneous furniture and appliances. Straw mats and riprap were the BMPs used.

The County graded 61 miles of ditches along County Line, Bohleysville, Triple Lakes, Venedy, and Stolle.

The County Street Department used a 20-cubic yard dumpster for trash retrieved from road ditches and waterways and disposed of it as needed.

The County participated in the IEPA-sponsored tire recycling event in October 2018 delivering 7 truckloads of discarded tires.

The County spent 8 hours sweeping 5 miles of roadway.

The County has cleaned 8 catch basins since March 2018.

Circle which minimum control measure addressed:

- | | |
|---|--|
| 1. Public Education and Outreach | 4. Construction Site Runoff Control |
| 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 2018-2019 Reporting Year

The NPDES permit effective March 1, 2016, requires MS4 permittees serving populations over 25,000 persons to conduct quarterly laboratory testing of storm water 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 storm water 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 Chloride. 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 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 storm water 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 information collected are attached. Sampling outfall locations for the upcoming reporting year will be:

- Ogles Creek at Old Collinsville Rd (northeast side of creek) – ID Upstream
Approximate coordinates 89° 57' 58.19" W 38° 35' 49.50" N
- Ogles Creek at Scott Troy Rd (northeast side of creek) – ID Downstream
Approximate coordinates 89° 52' 28.29" W 38° 38' 59.50" N

E. Reliance on Government Entities for Permit Obligations

Co-Permittee cooperation with County

F. List of Construction Projects during 2018-2019 Reporting Year

St. Clair County had one public construction project during the reporting year:

ILR10Z496 – Frank Scott Parkway East Widening (inspection report included in supporting documents)

March 01, 2018

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



RE: NPDES/15-3069 SCC

WorkOrder: 18021191

Dear Jennifer Gerwitz:

TEKLAB, INC received 2 samples on 2/20/2018 11:30:00 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



Report Contents

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

Client: RJN Group

Work Order: 18021191

Client Project: NPDES/15-3069 SCC

Report Date: 01-Mar-18

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:** 18021191**Client Project:** NPDES/15-3069 SCC**Report Date:** 01-Mar-18**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.
- 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 dilutions factors.
- DNI Did not ignite
- DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
- 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, spiked with verified known amounts of analytes, is 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. The acceptable recovery range is in the QC Package (provided upon request).
- 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 Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero.
- 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. The acceptable recovery range is listed in the QC Package (provided upon request).
- 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 |
| E - Value above quantitation range | H - Holding times exceeded |
| I - Associated internal standard was outside method criteria | 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: 18021191

Client Project: NPDES/15-3069 SCC

Report Date: 01-Mar-18

Cooler Receipt Temp: 15.82 °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

Client: RJN Group**Work Order:** 18021191**Client Project:** NPDES/15-3069 SCC**Report Date:** 01-Mar-18

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2019	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2018	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2018	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2018	Collinsville
Texas	TCEQ	T104704515-12-1	NELAP	7/31/2018	Collinsville
Arkansas	ADEQ	88-0966		3/14/2018	Collinsville
Illinois	IDPH	17584		5/31/2019	Collinsville
Indiana	ISDH	C-IL-06		1/31/2019	Collinsville
Kentucky	KDEP	98006		12/31/2018	Collinsville
Kentucky	UST	0073		1/31/2019	Collinsville
Louisiana	LDPH	LA170027		12/31/2018	Collinsville
Missouri	MDNR	930		1/31/2019	Collinsville
Missouri	MDNR	00930		5/31/2019	Collinsville
Oklahoma	ODEQ	9978		8/31/2018	Collinsville
Tennessee	TDEC	04905		1/31/2019	Collinsville

Client: RJN Group
Client Project: NPDES/15-3069 SCC
Lab ID: 18021191-001
Matrix: AQUEOUS

Work Order: 18021191
Report Date: 01-Mar-18
Client Sample ID: Upstream
Collection Date: 02/20/2018 10:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 22ND ED. 9222 D MEMBRANE FILTER								
Fecal Coliform	*	100		3100	CFU/100ml	100	02/20/2018 13:16	R243764
EPA 1664A								
Hexane Extractable Material	NELAP	6		< 6	mg/L	1	02/21/2018 13:40	R243818
EPA 600 351.2 R2.0, 353.2 R2.0								
Nitrogen, Total	*	0.05		1.14	mg/L	1	02/28/2018 0:00	R244064
EPA 600 365.4 (TOTAL)								
Phosphorus, Total (as P)	NELAP	0.050		0.222	mg/L	1	02/28/2018 10:21	139469
STANDARD METHODS 2540 D 1997								
Total Suspended Solids	NELAP	6		123	mg/L	1	02/22/2018 13:16	R243843
STANDARD METHODS 4500-CL E (TOTAL) 1997								
Chloride	NELAP	10		86	mg/L	2	02/26/2018 15:21	R244103

Client: RJN Group
Client Project: NPDES/15-3069 SCC
Lab ID: 18021191-002
Matrix: AQUEOUS

Work Order: 18021191
Report Date: 01-Mar-18
Client Sample ID: Downstream
Collection Date: 02/20/2018 10:58

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 22ND ED. 9222 D MEMBRANE FILTER								
Fecal Coliform	*	100		1300	CFU/100ml	100	02/20/2018 13:18	R243764
EPA 1664A								
Hexane Extractable Material	NELAP	6		< 6	mg/L	1	02/21/2018 13:40	R243818
EPA 600 351.2 R2.0, 353.2 R2.0								
Nitrogen, Total	*	0.05		2.18	mg/L	1	02/28/2018 0:00	R244064
EPA 600 365.4 (TOTAL)								
Phosphorus, Total (as P)	NELAP	0.050		0.286	mg/L	1	02/28/2018 10:23	139469
STANDARD METHODS 2540 D 1997								
Total Suspended Solids	NELAP	6		42	mg/L	1	02/22/2018 13:16	R243843
STANDARD METHODS 4500-CL E (TOTAL) 1997								
Chloride	NELAP	25		105	mg/L	5	02/27/2018 13:11	R244077



Receiving Check List

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

Client: RJN Group

Work Order: 18021191

Client Project: NPDES/15-3069 SCC

Report Date: 01-Mar-18

Carrier: Employee

Received By: KF

Completed by:

On:

20-Feb-18

Amber M. Dilallo

Reviewed by:

On:

20-Feb-18

Elizabeth A. Hurley

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 15.82

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.

15118081

fax: (618) 344-1005

Client:	RJN Group	Samples on:	☒ ICE	☐ BLUE ICE	☐ NO ICE	5.82 °C
Address:	2000 South 8th St.	Preserved in:	☒ LAB	☒ FIELD	FOR LAB USE ONLY	
City / State / Zip	St. Louis, MO 63104	Lab Notes:	BAG 1/1/00			
Contact:	Jennifer Gerwitz	Phone:	(314) 588-9764			
E-Mail:	jgerwitz@rjnmail.com	Fax:				
Client Comments						

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

rainfall 0.40 in

[illegible]

Relinquished By	Date/Time	Received By	Date/Time
Sanjiv Vij	02/09/18 / 11:30	K. K. K.	2/20/18 / 1:30

11/06
amb

May 15, 2018

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



RE: NPDES/15-3069

WorkOrder: 18050329

Dear Jennifer Gerwitz:

TEKLAB, INC received 2 samples on 5/4/2018 9:50:00 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



Report Contents

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

Client: RJN Group

Work Order: 18050329

Client Project: NPDES/15-3069

Report Date: 15-May-18

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:** 18050329**Client Project:** NPDES/15-3069**Report Date:** 15-May-18**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 |
| 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: 18050329

Client Project: NPDES/15-3069

Report Date: 15-May-18

Cooler Receipt Temp: 10.22 °C

Per Jennifer Gerwitz, proceed with Fecal Coliform with the weekend surcharge (Friday receipt). EAH 5/4/18

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

Client: RJN Group**Work Order:** 18050329**Client Project:** NPDES/15-3069**Report Date:** 15-May-18

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2019	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2019	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2018	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2018	Collinsville
Texas	TCEQ	T104704515-12-1	NELAP	7/31/2018	Collinsville
Arkansas	ADEQ	88-0966		3/14/2019	Collinsville
Illinois	IDPH	17584		5/31/2019	Collinsville
Indiana	ISDH	C-IL-06		1/31/2019	Collinsville
Kentucky	KDEP	98006		12/31/2018	Collinsville
Kentucky	UST	0073		1/31/2019	Collinsville
Louisiana	LDPH	LA170027		12/31/2018	Collinsville
Missouri	MDNR	930		1/31/2019	Collinsville
Missouri	MDNR	00930		5/31/2019	Collinsville
Oklahoma	ODEQ	9978		8/31/2018	Collinsville
Tennessee	TDEC	04905		1/31/2019	Collinsville

Client: RJN Group
Client Project: NPDES/15-3069
Lab ID: 18050329-001
Matrix: AQUEOUS

Work Order: 18050329
Report Date: 15-May-18
Client Sample ID: Upstream
Collection Date: 05/04/2018 8:58

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 22ND ED. 9222 D MEMBRANE FILTER								
Fecal Coliform	*	10		570	CFU/100ml	10	05/04/2018 13:05	R246753
EPA 1664A								
Hexane Extractable Material	NELAP	6		< 6	mg/L	1	05/09/2018 11:33	R246916
EPA 600 351.2 R2.0, 353.2 R2.0								
Nitrogen, Total	*	1.05		< 1.05	mg/L	1	05/10/2018 0:00	R246921
EPA 600 365.4 (TOTAL)								
Phosphorus, Total (as P)	NELAP	0.100		< 0.100	mg/L	1	05/09/2018 11:21	141666
STANDARD METHODS 2540 D 1997								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	05/04/2018 14:37	R246759
STANDARD METHODS 4500-CL E (TOTAL) 1997								
Chloride	NELAP	25		130	mg/L	5	05/11/2018 12:45	R247091

Client: RJN Group
Client Project: NPDES/15-3069
Lab ID: 18050329-002
Matrix: AQUEOUS

Work Order: 18050329
Report Date: 15-May-18
Client Sample ID: Downstream
Collection Date: 05/04/2018 9:26

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 22ND ED. 9222 D MEMBRANE FILTER								
Fecal Coliform	*	100		500	CFU/100ml	100	05/04/2018 13:05	R246753
EPA 1664A								
Hexane Extractable Material	NELAP	6		< 6	mg/L	1	05/09/2018 11:33	R246916
EPA 600 351.2 R2.0, 353.2 R2.0								
Nitrogen, Total	*	1.05		2.59	mg/L	1	05/10/2018 0:00	R246921
EPA 600 365.4 (TOTAL)								
Phosphorus, Total (as P)	NELAP	0.100		0.189	mg/L	1	05/09/2018 11:23	141666
STANDARD METHODS 2540 D 1997								
Total Suspended Solids	NELAP	6		15	mg/L	1	05/04/2018 14:37	R246759
STANDARD METHODS 4500-CL E (TOTAL) 1997								
Chloride	NELAP	5		43	mg/L	1	05/11/2018 12:47	R247091

Client: RJN Group

Work Order: 18050329

Client Project: NPDES/15-3069

Report Date: 15-May-18

Carrier: Kevin Madden

Received By: AMD

Completed by:

Elizabeth A. Hurley

Reviewed by:

Marvin L. Darling II

On:

On:

04-May-18

04-May-18

Elizabeth A. Hurley

Marvin L. Darling

Pages to follow:

Chain of custody

Extra pages included

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C **10.22**

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.

1053

fax: (618) 344-1005

Client:	RJN Group	
Address:	2000 South 8th St.	
City / State / Zip	St. Louis, MO 63104	
Contact:	Jennifer Gerwitz	Phone: (314) 588-9764
E-Mail:	jgerwitz@rjnmail.com	Fax:

Samples on: ☒ ICE ☐ BLUE ICE ☐ NO ICE 10.00 °C
Preserved in: ☐ LAB ☒ FIELD
Lab Notes: 5/14/18
For Kevin Madden, Cancel Fear Analysis. 5/14/18
Client Comments: rainfall .83 in. on 5/3/18

[illegible]

INDICATE ANALYSIS REQUESTED												
		TSS	X	X								
		Total Nitrogen	X	X								
		Phosphorus	X	X								
		Oil and Grease	X	X								
		Fecal Coliform	X	X								
		Chloride	X	X								
MATRIX												
		Aqueous	X	X								

Relinquished By	Date/Time
Kevin Madden	9:50AM 5/4/10
Anthony Vitale	9:50AM 5/4/18

Received By	Date/Time
Emile J. J. J. J.	5/4/18 9:50

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.tektabinc.com for terms and conditions.

BottleOrder: 42821



21/5/20

August 03, 2018

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



RE: NPDES/15-3069

WorkOrder: 18071801

Dear Jennifer Gerwitz:

TEKLAB, INC received 2 samples on 7/30/2018 2:28:00 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



Report Contents

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

Client: RJN Group

Work Order: 18071801

Client Project: NPDES/15-3069

Report Date: 03-Aug-18

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:** 18071801**Client Project:** NPDES/15-3069**Report Date:** 03-Aug-18**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 |
| 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: 18071801

Client Project: NPDES/15-3069

Report Date: 03-Aug-18

Cooler Receipt Temp: 14.82 °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

Client: RJN Group**Work Order:** 18071801**Client Project:** NPDES/15-3069**Report Date:** 03-Aug-18

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2019	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2019	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2019	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2019	Collinsville
Arkansas	ADEQ	88-0966		3/14/2019	Collinsville
Illinois	IDPH	17584		5/31/2019	Collinsville
Indiana	ISDH	C-IL-06		1/31/2019	Collinsville
Kentucky	KDEP	98006		12/31/2018	Collinsville
Kentucky	UST	0073		1/31/2019	Collinsville
Louisiana	LDPH	LA170027		12/31/2018	Collinsville
Missouri	MDNR	930		1/31/2019	Collinsville
Missouri	MDNR	00930		5/31/2019	Collinsville
Oklahoma	ODEQ	9978		8/31/2018	Collinsville
Tennessee	TDEC	04905		1/31/2019	Collinsville

Client: RJN Group
Client Project: NPDES/15-3069
Lab ID: 18071801-001
Matrix: AQUEOUS

Work Order: 18071801
Report Date: 03-Aug-18
Client Sample ID: Upstream
Collection Date: 07/30/2018 13:38

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 22ND ED. 9222 D MEMBRANE FILTER								
Fecal Coliform	*	100		CG	CFU/100ml	100	07/30/2018 15:30	R250255
<i>CG-continuous growth that covers the whole or part of the filtration area on membrane filter which makes colonies indistinguishable</i>								
EPA 1664A								
Hexane Extractable Material	NELAP	6		< 6	mg/L	1	07/31/2018 14:15	R250304
EPA 600 351.2 R2.0, 353.2 R2.0								
Nitrogen, Total	*	1.05		< 1.05	mg/L	1	08/02/2018 0:00	R250422
EPA 600 365.4 (TOTAL)								
Phosphorus, Total (as P)	NELAP	0.100		0.133	mg/L	1	08/02/2018 13:33	144418
STANDARD METHODS 2540 D 1997								
Total Suspended Solids	NELAP	6	R	9	mg/L	1	07/31/2018 14:20	R250261
<i>Sample and Duplicate RPD meet the SOP QC criteria for low level results. Data is reportable.</i>								
STANDARD METHODS 4500-CL E (TOTAL) 1997								
Chloride	NELAP	5		40	mg/L	1	08/01/2018 13:09	R250396

Client: RJN Group
 Client Project: NPDES/15-3069
 Lab ID: 18071801-002
 Matrix: AQUEOUS

Work Order: 18071801
 Report Date: 03-Aug-18
 Client Sample ID: Downstream
 Collection Date: 07/30/2018 14:04

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 22ND ED. 9222 D MEMBRANE FILTER								
Fecal Coliform	*	100		CG	CFU/100ml	100	07/30/2018 15:30	R250255
<i>CG-continuous growth that covers the whole or part of the filtration area on membrane filter which makes colonies indistinguishable</i>								
EPA 1664A								
Hexane Extractable Material	NELAP	6		< 6	mg/L	1	07/31/2018 14:15	R250304
EPA 600 351.2 R2.0, 353.2 R2.0								
Nitrogen, Total	*	1.05		1.86	mg/L	1	08/02/2018 0:00	R250422
EPA 600 365.4 (TOTAL)								
Phosphorus, Total (as P)	NELAP	0.500		0.570	mg/L	1	08/02/2018 13:36	144418
STANDARD METHODS 2540 D 1997								
Total Suspended Solids	NELAP	15		251	mg/L	2.44	08/01/2018 10:48	R250327
STANDARD METHODS 4500-CL E (TOTAL) 1997								
Chloride	NELAP	5		9	mg/L	1	08/01/2018 13:17	R250396



Receiving Check List

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

Client: RJN Group

Work Order: 18071801

Client Project: NPDES/15-3069

Report Date: 03-Aug-18

Carrier: Employee

Received By: NH

Completed by:

On:

30-Jul-18

Nathan Harer

Reviewed by:

On:

30-Jul-18

Elizabeth A. Hurley

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 14.82

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.

07/801

BottleOrder:

November 09, 2018

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



RE: NPDES/15-3069

WorkOrder: 18110024

Dear Jennifer Gerwitz:

TEKLAB, INC received 2 samples on 11/1/2018 11:15:00 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



Report Contents

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

Client: RJN Group

Work Order: 18110024

Client Project: NPDES/15-3069

Report Date: 09-Nov-2018

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: 18110024

Client Project: NPDES/15-3069

Report Date: 09-Nov-2018

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: 18110024

Client Project: NPDES/15-3069

Report Date: 09-Nov-2018

Cooler Receipt Temp: 7.22 °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

Client: RJN Group**Work Order:** 18110024**Client Project:** NPDES/15-3069**Report Date:** 09-Nov-2018

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2019	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2019	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2019	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2019	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2019	Collinsville
Arkansas	ADEQ	88-0966		3/14/2019	Collinsville
Illinois	IDPH	17584		5/31/2019	Collinsville
Indiana	ISDH	C-IL-06		1/31/2019	Collinsville
Kentucky	KDEP	98006		12/31/2018	Collinsville
Kentucky	UST	0073		1/31/2019	Collinsville
Louisiana	LDPH	LA170027		12/31/2018	Collinsville
Missouri	MDNR	930		1/31/2019	Collinsville
Missouri	MDNR	00930		5/31/2019	Collinsville
Tennessee	TDEC	04905		1/31/2019	Collinsville

Client: RJN Group
Client Project: NPDES/15-3069
Lab ID: 18110024-001
Matrix: AQUEOUS

Work Order: 18110024
Report Date: 09-Nov-2018
Client Sample ID: Upstream
Collection Date: 11/01/2018 9:51

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 22ND ED. 9222 D MEMBRANE FILTER								
Fecal Coliform	*	100		3500	CFU/100ml	100	11/01/2018 13:30	R254196
EPA 1664A								
Hexane Extractable Material	NELAP	6		< 6	mg/L	1	11/02/2018 10:35	R254176
EPA 600 351.2 R2.0, 353.2 R2.0								
Nitrogen, Total	*	1.05		< 1.05	mg/L	1	11/08/2018 0:00	R254443
EPA 600 365.4 (TOTAL)								
Phosphorus, Total (as P)	NELAP	0.100		< 0.100	mg/L	1	11/06/2018 12:21	147451
STANDARD METHODS 2540 D 1997								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	11/02/2018 13:30	R254217
STANDARD METHODS 4500-CL E (TOTAL) 1997								
Chloride	NELAP	5		25	mg/L	1	11/07/2018 17:18	R254454

Client: RJN Group
Client Project: NPDES/15-3069
Lab ID: 18110024-002
Matrix: AQUEOUS

Work Order: 18110024
Report Date: 09-Nov-2018
Client Sample ID: Downstream
Collection Date: 11/01/2018 10:47

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 22ND ED. 9222 D MEMBRANE FILTER								
Fecal Coliform	*	100		4100	CFU/100ml	100	11/01/2018 13:30	R254196
EPA 1664A								
Hexane Extractable Material	NELAP	6		< 6	mg/L	1	11/02/2018 10:35	R254176
EPA 600 351.2 R2.0, 353.2 R2.0								
Nitrogen, Total	*	1.05		4.00	mg/L	1	11/08/2018 0:00	R254443
EPA 600 365.4 (TOTAL)								
Phosphorus, Total (as P)	NELAP	0.500		1.07	mg/L	1	11/07/2018 11:28	147485
STANDARD METHODS 2540 D 1997								
Total Suspended Solids	NELAP	6		128	mg/L	1	11/02/2018 13:30	R254217
STANDARD METHODS 4500-CL E (TOTAL) 1997								
Chloride	NELAP	5		50	mg/L	1	11/07/2018 17:26	R254454



Receiving Check List

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

Client: RJN Group

Work Order: 18110024

Client Project: NPDES/15-3069

Report Date: 09-Nov-2018

Carrier: Employee

Received By: BV

Completed by:

Marvin L. Darling II

Reviewed by:

Elizabeth A. Hurley

On:

On:

01-Nov-2018

01-Nov-2018

Marvin L. Darling

Elizabeth A. Hurley

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 7.22

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.

pg. of Work order # 18110024

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

[illegible]

BottleOrder: 46245





Illinois Environmental Protection Agency

Page 1 of 2

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

Division of Water Pollution Control

NOTICE OF TERMINATION (NOT)

of Coverage under the General Permit for Storm Water Discharges Associated with Construction Site Activities

This fillable form may be completed online, a copy saved locally, printed and signed before it is submitted to the Permit Section at the above address.

OWNER INFORMATION

Permit No. ILR10 W210

Owner Name: St Clair CountyOwner Type (select one) CountyMailing Address: 1415 North Belt WestPhone: 618-233-1392 Ext 15City: BellevilleState: ILZip: 62226Fax: 618-233-0996Contact Person: Norman Etling P.E. County EngineerE-mail: netling@stclaircohw.com

CONTRACTOR INFORMATION

Contractor Name: DMS Contracting IncMailing Address: 614 Industrial DrPhone: 618-566-9114City: MascoutahState: ILZip: 62258

Fax: _____

CONSTRUCTION SITE INFORMATION

Facility Name: Frank Scott Parkway East IntersectionsStreet Address: Frank Scott Parkway EastCity: O'Fallon

IL

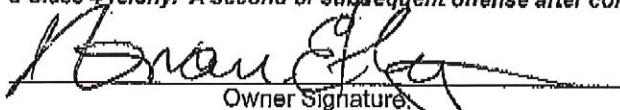
Zip: 62269County: St. ClairNPDES Storm Water General Permit Number: ILR10 W210

Latitude: 38 34 14N Longitude: 89 55 45W 1 & 2 T1N R8W
(Deg) (Min) (Sec) (Deg) (Min) (Sec) Section Township Range

DATE PROJECT HAS BEEN COMPLETED AND STABILIZED: 5/15/2018**NOTE: Coverage under this permit cannot be terminated without the completion date.**

I certify under penalty of law that disturbed soils at the identified facility have been finally stabilized or that all storm water discharges associated with industrial activity from the identified facility that are authorized by an NPDES general permit have otherwise been eliminated. I understand that by submitting this notice of termination, that I am no longer authorized to discharge storm water associated with industrial activity by the general permit, and that discharging pollutants in storm water associated with industrial activity to Waters of the State is unlawful under the Environmental Protection Act and the Clean Water Act where the discharge is not authorized by an NPDES Permit.

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 Signature3/12/2019
Date

Mail completed form to: Illinois Environmental Protection Agency
Division of Water Pollution Control, Attn: Permit Section
1021 North Grand Avenue East
P.O. Box 19276
Springfield, Illinois 62794-9276

(Do not submit additional documentation unless requested)

IL 632-2102

WPC 621 Rev 12/11

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.

St. Clair County
Soil & Water
Conservation District

FIRST IN ILLINOIS

2031 Moccasin Road
Belleville, IL 62220
(618) 233-5583

ST CLAIR COUNTY
NORMAN ETLING
1415 NORTH BELT WEST
BELLEVILLE, IL 62226



8/15/18

SUBJECT: NPDES PERMIT NO. LR10Z496

Dear MR. ETLING,

Environmental Operations, Inc. (EOI), representing St. Clair County Soil & Water Conservation District, conducted an inspection of the FRANK SCOTT PARKWAY EAST WIDENING on 8/3/18. The purpose of the inspection was to review compliance with the requirements of your General NPDES permit number LR10Z496. During the inspection, Marc Black of St. Clair County Dept of Roads & Bridges accompanied Julie Gibbs-Alley of EOI. This is to confirm the results of the inspection.

The Storm Water Pollution Prevention Plan (SWPPP) was reviewed and satisfactorily addresses the resource concerns.

There were no deficiencies found.

It was noted that the project had just begun. Silt fencing is installed. Additional fencing, inlet protection, & BMP's to be installed as needed.

A copy of this letter is being sent to the Illinois EPA to inform them of our inspection findings.

Thank you for your cooperation and if you have any questions or need additional information please call me at 314.480.4675.

Sincerely,

Julie Gibbs-Alley, Project Manager
Environmental Operations, Inc.

CC: Wayne Caughman - IEPA

CC: Deana Poe



**THE COUNTY BOARD
AND THE
PUBLIC HEALTH BOARD
OF
ST. CLAIR COUNTY**

**INVITES YOU TO ATTEND THE
2018 ST. CLAIR COUNTY ENVIRONMENTAL
RECOGNITION AWARDS CEREMONY
IN HONOR OF EARTH DAY**

**FRIDAY, APRIL 20, 2018
10:00 A.M.
ST. CLAIR COUNTY HEALTH DEPARTMENT
ATRIUM
19 PUBLIC SQUARE, BELLEVILLE, IL**

**STUDENT ACTIVITIES
11:00 A.M. — 1:00 P.M.
ST. CLAIR COUNTY HEALTH DEPARTMENT
COURT YARD**

STUDENT ACTIVITIES PROVIDED:

- **HOW TO PLANT A TREE:** Students will receive a Tulip Tree sapling and learn how to properly plant a tree.
- **STARTING A GARDEN:** Students will plant their own tomato plants to take home with them.
- **HANDWASHING:** Students will learn proper hand washing skills and see how germs are washed away.
- **WATER QUALITY:** Illinois American Water's Mobile Education Center will be onsite for students to learn about water quality and do water testing.
- **KASKASKIA AUDUBON GROUP:** Students will learn about our diverse and colorful world of birds around the Kaskaskia River.
- **RIDEFINDERS:** Students will learn the benefits around car pooling and ride sharing to work and school.
- **ST. LOUIS COMPOSTING:** Students will learn about Food Scrap recycling and why it is important to the ecosystem.
- **GROUNDWATER MODEL:** Students will learn about aquifers and how pollutants filter through our soils.
- **STORMWATER:** Students will learn about stormwater pollution and how to prevent it around their homes.

PLUS ADDITIONAL ACTIVITIES!



Additional Community Activities

St. Clair County

Permit # ILR400270

St. Clair County sponsors an abandoned property clean up called "Clean Sweep". During the time frame for reporting the program collected over 1250 tons of debris and trash. As part of the program residents and groups are enlisted to participate in the neighborhood clean-up efforts.

St. Clair County Highway assisted with extensive clean-up of major storm damage in communities in the summer of 2018. (Pictures attached).



St. Clair County Emergency Telephone Systems Board

St. Clair County E911 Administrative Offices - 101 South 1st St - Belleville, IL 62220-2014
(618) 825-2160 - Fax: (618) 277-7668 - E-mail: etsb@co.st-clair.il.us - Webpage: www.911.co.st-clair.il.us

Sheriff Richard Swanson
CHAIRMAN

Fire Chief Donald R. Feher
VICE-CHAIRMAN

Former Mayor George Chance

Mr. Michael E. Sullivan

Ms. Carol Clark

Chief Steve Brown

Mr. Kevin Elbe

Mr. Herbert Simmons
EXECUTIVE DIRECTOR

Mr. Kevin Kauthold
ATTORNEY

July 2, 2018

Mr. Norm Etling and Mr. Mike Suarez
145 N. Belt West
Belleville, Illinois 62226

Dear Gentleman;

I want to take a few minutes of your time to express the job I witnessed by your staff as it relates to the storm clean up this past week. As you know on June 28th a storm hit St. Clair County, most every community in the county received some impact from it. One of the hardest hit was East St. Louis.

The assistance my office of EMA\9-1-1 received after contacting Chairman Kern, and you guys should be noted as a way a TEAM is to function. With just a few phone calls, Mike was arranging to have his staff prepared to move into the city and start the major clean up.

Truck after truck loaded with trees and branches were hauled to the dump. I further witness your workers going out of their way to assist the citizens who have been without power and now attempting to clean of the debris. I received many thanks from the East St. Louis City Manager Mrs. Moore, as well as the Fire Chief and their street department Director.

It is a great feeling to know that in the time of need there are resources available to assist not only our other departments but the communities and citizens of our county. Thanks again for all your assistances.

Thank you

Herb Simmons
Herb Simmons
Executive Director



TRANSPORTATION COMMITTEE

**Meeting Monday January 14, 2019
5:30 PM County Highway Department**

Members Present

Chairman Rick Vernier
Vice Chair Marty Crawford
Robert Allen
Roy Mosley
Mike O'Donnell
Robert Trentman

Absent and Excused

June Chartrand

Also in Attendance

Norm Etling County Engineer
Randy Georgen Asst. County Engineer
James Harms Engineer of Design
Mike Suarez Supt. of Maintenance
Mark Rujawitz Rhutasel and Ass
Mr. and Mrs. Kenneth Hildebrandt
2046 Borchers Lane

Chairman Vernier called the meeting to order at 5:30 PM with the Pledge of Allegiance

The Expense Claim Report from 12/4/2018 – 1/14/2019 was circulated for review and signature

Mr. Crawford made a motion seconded by Mr. Allen to approve the minutes of the scheduled meeting held December 3, 2018 and Special Meeting December 17, 2018. All members in attendance voted aye.

Chairman Vernier asked if there were any comments on the agenda. None were presented.

Mr. Rujawitz gave a presentation on a CMAQ Proposal for the Regional Port. At this point a motion was made by Mr. Allen seconded by Mr. O' Donnell to support an application as there was to be no cost to St. Clair County. All members present voted aye.

Mr. Etling gave a presentation on the NPDES MS4 Program and the associated requirements.

ACTION ITEMS:

Resolutions:

(A) Resolution authorizing the award of a contract for supplying Culverts in calendar year 2019 to the lowest bidder, Metal Culvert, Inc. in the amount of \$74,735.00 /Section 19-00000-00-GM (Culverts). Mr. Mosley made a motion seconded by Mr. Crawford to approve. All members present voted aye.

(B) Resolution presenting material quotations for supplying patch material for the calendar year 2019/ Section 19-00000-00-GM (Patch). Mr. Mosley made a motion seconded by Mr. Allen to approve. All members present voted aye.

(C) Resolution presenting material quotations for supplying stone for the calendar year 2019/ Section 19-00000-00-GM (Stone). Mr. O'Donnell made a motion seconded by Mr. Allen to approve. All members present voted aye.

(D) Resolution appropriating \$3,335,237.00 in MFT funds for expenditure on maintaining streets and highways in accordance with the Illinois Highway Code for calendar year 2019. Mr. Allen made a motion seconded by Mr. Mosley to approve. All members present voted aye.

COMMITTEE ACCEPTANCE:

(A) St. Clair County Highway Dept. Traffic Impact Study Guidelines. Mr. O'Donnell made a motion seconded by Mr. Allen to approve. All members present voted aye.

(B) Five Year Plan/ Capital Improvement Budget. Mr. Mosley made a motion seconded by Mr. Crawford to approve. All members present voted aye.

(C) Water Sampling For Phase II MS4. Motion made by Mr. Mosley seconded by Mr. Crawford to approve. All members present voted aye.

(D) Grant Submittal For IMPROVEMENTS To Green Mount Road From RT 15 To Old Freeburg. Motion made by Mr. Crawford seconded by Mr. Mosley to approve. All members present voted aye.

(E) CMAQ Grant Submittal For Roundabout At Old Collinsville And Ashland Avenue. Motion made by Mr. O'Donnell seconded by Mr. Allen to approve. All members present voted aye.

(F) Grant Submittal For Bridge Wearing Surface Work On Hartman, Waterloo Road and 80th Street. Motion made by Mr. Allen seconded by Mr. O'Donnell to approve. All members present voted aye.

Mr. Etling asked if anyone had any questions about the Departmental Operation as all members of the team were present. Several members commented about the good job Maintenance was doing and thanked Mike for his efforts.

Chairman Vernier recognized Mrs. Hildebrant. She requested to be on the February Committee Agenda.

There being no further business Chairman Vernier asked for a motion to adjourn.

Mr. Trentman made a motion seconded by Mr. O'Donnell to adjourn. All members present voted aye.

The Chairman adjourned the meeting at 6:10 P.M.











