

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, 2	019	Permit No. ILR40 0412			
MS4 OPERATOR INFORMATION: (As it app	ears on the	current permit)				
Name: CITY OF O'FALLON		Mailing Address 1: 255 SOL	JTH 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 NO (Person responsible for Annual Report)	DLAN)	Email Address:				
Name(s) of governmental entity(ies) in which	MS4 is loca	ated: (As it appears on the cu	rrent permit)			
ILLINOIS DEPARTMENT OF TRANSPORTATIO O'FALLON TOWNSHIP	DN	ST. CLAIR COUNTY				
THE FOLLOWING ITEMS MUST BE ADDRESS	ED.					
A. Changes to best management practices (chec regarding change(s) to BMP and measurable		te BMP change(s) and attach in	formation			
1. Public Education and Outreach	☐ 4.	Construction Site Runoff Contr	rol 🗌			
2. Public Participation/Involvement		Post-Construction Runoff Cont	rol			
3. Illicit Discharge Detection & Elimination	☐ 6.	Pollution Prevention/Good Hou	usekeeping			
B. Attach the status of compliance with permit commanagement practices and progress towards a MEP, and your identified measurable goals for	achieving the each of the	e statutory goal of reducing the minimum control measures.	discharge of pollutants to the			
C. Attach results of information collected and ana	•					
 D. Attach a summary of the storm water activities implementation schedule.) 	s you plan to	o undertake during the next repo	orting cycle (including an			
E. Attach notice that you are relying on another g	overnment	entity to satisfy some of your pe	ermit obligations (if applicable).			
F. Attach a list of construction projects that your e	entity has pa	aid for during the reporting perio	d.			
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:		4/2)	15			
Jonathan Wolan Printed Name:		Ezneern Title	Drsjed Marager			
		. 123				

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

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

ADMINISTRATIVE REVISIONS TO THE NOTICE OF INTENT

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

MS4 Operator Mailing Address:		No X
Persons Responsible:	Yes	No <u>X</u>
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 2017-February 2018:

- 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.

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

- 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 public awareness BMPs.
- 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.

Name: MaryAnne Fair

Title: Deputy City Clerk

Telephone Number: ____ (618) 624-4500 x 8715

City of O'Fallon FOIA Officer for the reporting year:

COMMUNITY NAME:	City of O'Fallon	City of O'Fallon PERMIT #:		ILR400412									
	IEPA Annual Report for Stormwater Discharges from M	IS4 Communities- Period: N	√larc	h 2	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	the control of the co		information collected and analyzed, including monitoring		information collected and analyzed, including monitori		information collected and analyzed, including monitoring		information collected and under analyzed, including monitoring		D. Summarize the stormwater acti undertake with an implementation	
Comment S	minimum control measures.	If attached information, describe.	YES	9	Activity	Schedule							
	d Paper Materials- Informational Brochures												
Milestone For Reporting Y	ear: Promote the availability of brochures to the residen	its.											
x	The City has brochures available to residents at the City Hall and on the City website. Educational topics include stormwater ordinances as well as the public storm water hotline number.	e		×	St. Clair County has brochures available to all county residents in the St. Clair County Health Department.	On-going through 2019-2020 permit year.							
BMP No. A.4- Communit	y Event- Sponsor Annual Booth at St. Clair County E	arth Day Festival											
Milestone For Reporting Y	'ear: St. Clair County sponsored a booth at the Earth Da	ıy Festival.		_									
x	St. Clair County set up a booth and distributed stormwater materials at the Health Department Earth Day Celebration In April 2018. One hundred (100) stormwater brochures were distributed.			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 April.							
BMP No. A.5- Classroom													
Milestone For Reporting Y	ear: Communities distributed educational materials and	tracked the number of brod	chur	es	and other materials handed out to t	he schools.							
x	St. Clair County posted educational newsletters on the Health Department's Website. Educational brochures were distributed at the St. Clair County booth during the 2018 Earth Day 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.							

COMMUNITY NAME:	City of O'Fallon	PERMIT #:_		ILR400412	
	IEPA Annual Report for Stormwater Discharges from M	S4 Communities- Period: Ma	arch 2	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	C. Provide results of information collected and analyzed, including monito data. Information attached			
Comment SH O	minimum control measures.	If attached information, describe.	N ES	Activity	Schedule
BMP No. B-3- Stakehold	er's Meeting- Coordinate Meetings and Annual Repo	rts			
Milestone For Reporting Y	ear: Co-Permittee Group met three (3) times to complete	training and to develop and	d subi	nit 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 Awaareness, BMPs and Operations Training. The City attended all meetings.		x	The City 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.
	Monitoring- Solicit and Encourage Public Assistance				ter Hotline
Milestone For Reporting Y	ear: Community will work to involve more public assistan	ce in reporting stormwater is	ssues		
x	The County updated brochures and websites with the contact information for the reporting of stormwater issues. Any calls or emails will be recorded and addressed.	· ·	x	and/or dumping and storm water issues.	On-going through 2019-2020 permit year.
BMP No. B.6- Program C	coordination- Participate in programs targeted at pub	lic awareness, including:	Inlet	Stenciling and Recycling	
Milestone for Reporting Ye	ear: St. Clair County continued to promote programs relat	ed to stormwater activities.	Com	munities 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	×	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

COMMUNITY	IAN	1E:	City of O'Fallon	PERMIT #:	_		ILR400412	
			IEPA Annual Report for Stormwater Discharges from M	S4 Communities- Period: I	Mar	ch 2	2018 through February 2019	
A. Changes to Best Management- Were any changes to the BMPs?	the	ere	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	C. Provide results of information collected and analyzed, including monit data. Information attache	torir	ng	D. Summarize the stormwater act undertake with an implementation	
Comment	YES	9	minimum control measures.	If attached information, describe.	YES	9	Activity	Schedule
BMP No. B.7- Othe	rР	ubl	ic Involvement - the community will provide a public	meeting annually for pu	blic	in;	out into for the MS4 program	
Milestone for Repor	ting	Ye	ar: The communities will provide a public meeting annua	Illy for public input for the I	VIS4	pro	ogram.	
		×	The community held a public input meeting regarding the adequacy of the MS4 Program on March 25, 2019, Committee and attendees were presented information from the annual report and sampling that has been completed. No input was received.	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,
			er Map Preparation	*				
Milestone for Repor	ting	Ye	ar: Co-Permittee member communities reviewed outfall	maps and conducted stre	am	obs	ervations annually at bridge inspec	tions.
		х	Co-Permittee communities reviewed their outfall maps for completeness and updated them if necessary. O'Fallon currently has 95% of outfall locations and the municipal storm sewer system mapped. The storm sewer system map was updated in January 2019.			х	Communities will continue 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-	Re	gu	latory Control Program- Ordinance language for Illic	it discharge/public notifi	cat	ion		
Milestone for Repor	ting	Ye	ar Communication brochures were distributed to the co	mmunity.		10		
		x	St. Clair County distributed ordinance brochures at the Earth Day event and has them available at the City Hall, The City updated storm water ordinances in 2005,			х	This BMP will not continue into the next NOI.	
BMP No. C.5- Inlet								
Milestone for Report	ing	Ye	ar: Survey condition of inlet stencils.					
		x	O'Fallon assessed the condition of the stencils. Currently 80% of the inlets are marked. The City plans to continue assessing and stenciling the remaining inlets. The Co-Permittee group is collaborating on an order for storm drain decais for 2019.	Review of Illicit Source Removal Procedures - See page 11	×		Communities will survey 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,

COMMUNITY NAME:		City of O'Fallon	PERMIT #:		ILR400412		
		IEPA Annual Report for Stormwater Discharges from M	S4 Communities- Period: Mar	ch :	2018 through February 2019		
A. Changes to Best Management- Were 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	C. Provide results of information collected and analyzed, including monitorindata. Information attached?	Ō	D. Summarize the stormwater acti undertake with an implementation	AND THE RESERVAN	
Comment	YES	minimum control measures.	If attached information, describe.	S S	Activity	Schedule	
		Evaluation and Assessment					
Milestone for Repor	ting	'ear: Perform illicit discharge detection and elimination in	the Community's stormwater	sys	stem.		
		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- Pub							
Milestone for Repor	ting	<u>ear</u> : Community will update ordinance brochure.					
		Brochures will be updated to address specific stormwater ordinance prohibited acivities and distributed with brochures addressed in BMP A1.		x	Ordinance brochures will be updated and distributed to the community throughout years 2015-2019	Brochure to be updated if needed in 2019-2020 reporting year.	
BMPs No. D.1, E.2	and	E.4- Site Plan and Pre-Construction Review Procedu	res				
		<u>ear:</u> Update stormwater ordinance.					
		The stormwater ordinance was updated in 2005.		x	This BMP will not continue into the next NOI,		
BMP No. D.1- Reg	ulat	ry Control Program		_			
		ear: Require SWPPP on all site plans disturbing more that	an one acre of land inside the	Cor	mmunity.		
		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.	

COMMUNITY NAME	: City of O'Fallon	PERMIT #:		ILR400412			
	IEPA Annual Report for Stormwater Discharges from M	S4 Communities- Period: Ma	arch 2	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	C. Provide results of information collected and analyzed, including monitor data. Information attached?		D. Summarize the stormwater activities you plan to undertake with an implementation schedule			
Comment S	minimum control measures.	If attached information, describe.	2 2	Activity	Schedule		
BMP No. D.2- Erosion a	and Sediment Control BMPs						
Milestone for Reporting Y	ear: Community will participate in BMP training during An	nual 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- Stormwate							
Milestone for Reporting Y- reported the number of ca	ear: County continued to maintain a stormwater hotline nalls.	umber to address public con	cerns	s related to stormwater issues. Cou	nty tracked and		
x	St. Clair County did not receive any hotline calls during the reporting period. Communities respond to complaints of residents for stormwater related issues.		×	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- T	Fraining for Construction Site Inspectors	***		***			
Milestone for Reporting Y	ear: Inspector training was provided this year.						
x			×	The last Construction Site Inpection training took place in April 2017. This BMP will not continue into the next NOI.			
BMP No. E.2- Regulator							
Milestone for Reporting Y	ear: 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.		

COMMUNITY N	AM	E:	City of O'Fallon	PERMIT #:			ILR400412	
			IEPA Annual Report for Stormwater Discharges from MS	S4 Communities- Period: N	Mar	ch 2	2018 through February 2019	
A. Changes to Best Management- Were any changes to the BMPs?	the	re	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	C. Provide results of information collected and analyzed, including monitoring data. Information attached?				
Comment	YES	<u>Q</u>	minimum control measures.	If attached information, describe.	YES	9	Activity	Schedule
			uction Review of BMP Designs					
Milestone for Reporti	ng	Ye	ar: Review post construction BMPs.	VI	_	_		
		x	The community will require and review SWPPPs on site plans disturbing more than one (1) acre of land,			х	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- Emplo								
Milestone for Reporti	ng	Ye	ar: The Co-Permittee held an Operations Training class.	T	_	_		
		x	Training focused on a review of the Best Management Practices, Good Housekeeping, and the Storm Water Management Plan. The City 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,
			cipal Operations Controls- Standard Operating Proc					
Milestone for Reporti	ng	Ye	ar: Communities reviewed operating procedures and BN	//Ps and modified if necess	sary	1.		
		ΧI	Stormwater operation procedures for the street department were reviewed.			x	Operation procedures are reviewed annually. Co-Permittee meetings will include reference to review and update requirements.	On-going through 2019-2020 permit year

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City	of	O'F	ali	lon
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PERMIT #: ILR400412

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

ADDITIONAL INFORMATION

BMP A.5	Classroom Educational Materials
	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.
BMP B.6	Community Events - Recycling Programs
	Throughout the year, St. Clair County sponsored community events that potentially could positively impact stormwater quality. These activities include telephone book recycling and an ongoing "Clean Sweep" program. Telephone book recycling was sponsored by Illinois American Water. The county website also has a brochure listing recycling sites for over 29 different materials.
	The City of O'Fallon contracts with a waste vendor, Waste Management, to provide year-round recycling, yard waste, and bulk pickup for its community members,
BMP B.7	Other Public Involvement
	The City of O'Fallon held a public meeting to provide for public input regarding the adequacy of the MS4 program on March 25, 2019. The committee and public attendees were resented information from the annual repot and storm water sampling that has been completed. No public input was received at that time. The monthly Public Works committee meeting regularly covers storm water topics and is open to citizens for comment. Additionally, 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 the City or through the County.
BMP C.5	Illicit Source Removal Procedures
	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: City of O'Fallon Permit #: ILR400412

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 City has a municipality website and posts educational brochures, annual reports, the NOI, the City SWPPP, and the storm water hotline number.

The City of O'Fallon swept 880 miles of streets during the reporting year.

The City participates in a year-round recycling program through Waste Management and seasonally collects Christmas trees.

Two 25-cubic-yard dumpsters were used by the Street Department for trash pulled from road ditches and waterways. The dumpsters were emptied weekly.

The City is a member of the Gateway Chapter of the Illinois APWA and attends bi-monthly meetings.

The City graded and cleaned 1.15 miles of ditches along various City streets utilizing straw mats and riprap as BMPs.

O'Fallon has cleaned 850 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 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 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 the 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

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

WorkOrder: 18021191



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

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

Marin L. Darling I



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



Definitions

http://www.teklabinc.com/

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
- E Value above quantitation range
- I Associated internal standard was outside method criteria
- 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
- H Holding times exceeded
- 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/

Work Order: 18021191

Report Date: 01-Mar-18

Client: RJN Group
Client Project: NPDES/15-3069 SCC

Cooler Receipt Temp: 15.82 °C

Locations

-	Collinsville		Springfield		Kansas City
Address	5445 Horseshoe Lake Road	Address	3920 Pintail Dr	Address	8421 Nieman Road
	Collinsville, IL 62234 7425		Springfield, IL 62711-9415		Lenexa, KS 66214
Phone	(618) 344-1004	Phone	(217) 698-1004	Phone	(913) 541-1998
Fax	(618) 344-1005	Fax	(217) 698-1005	Fax	(913) 541-1998
Email	jhriley@teklabinc.com	Email	KKlostermann@teklabinc.com	Email	jhriley@teklabinc.com
	Collinsville Air		Chicago		
Address	5445 Horseshoe Lake Road	Address	1319 Butterfield Rd		
	Collinsville, IL 62234-7425		Downers Grove, IL 60515		
Phone	(618) 344-1004	Phone	(630) 324-6855		
Fax	(618) 344-1005	Fax			
Email	EHurley@teklabinc.com	Email	arenner@teklabinc.com		



Accreditations

http://www.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



Laboratory Results

http://www.teklabinc.com/

Client: RJN Group

Work Order: 18021191

Client Project: NPDES/15-3069 SCC

Report Date: 01-Mar-18

Lab ID: 18021191-001

Client Sample ID: Upstream

Matrix: AQUEOUS

Collection Date: 02/20/2018 10:30

Analyses	Certification	RL Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 22NI	D ED. 9222 D MEMBR	ANE 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 R	2.0						
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



Laboratory Results

http://www.teklabinc.com/

Client: RJN Group

Work Order: 18021191

Client Project: NPDES/15-3069 SCC

Report Date: 01-Mar-18

Lab ID: 18021191-002

Client Sample ID: Downstream

Matrix: AQUEOUS

Collection Date: 02/20/2018 10:58

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 22ND	D ED. 9222 D MEMBR	ANE 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 R	2.0							
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 Elizabeth a thurley Completed by: Oilan Reviewed by: On: On: 20-Feb-18 20-Feb-18 Amber M. Dilallo Elizabeth A. Hurley Pages to follow: Chain of custody Extra pages included 0 Yes 🗹 No 🗌 Shipping container/cooler in good condition? Not Present Temp °C 15.82 Ice 🗹 Type of thermal preservation? None Blue Ice Dry Ice **V** Chain of custody present? Yes No Chain of custody signed when relinquished and received? **V** Yes No 🗌 **V** Chain of custody agrees with sample labels? Yes No [**V** No 🗆 Samples in proper container/bottle? Yes Sample containers intact? **V** No 🗌 Yes ~ No 🗌 Sufficient sample volume for indicated test? Yes No 🗌 All samples received within holding time? Yes **V** Reported field parameters measured: Field ___ Lab 🗌 NA 🗸 Container/Temp Blank temperature in compliance? No 🗌 Yes 🗸 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. Yes No 🗌 No VOA vials 🗸 Water - at least one vial per sample has zero headspace? 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? NA 🔽 Yes 🗌 No 🗌

CHAIN OF CUSTODY

Work order # 18031191 TEKLAB, INC. 5445 Horseshoe Lake Road - Collinsville, IL 62234 - Phone: (618) 344-1004 - Fax: (618) 344-1005 of bg.

Client: RJN Group		Samples on: WICE BLUEICE NOICE	E 3.87%
Address: 2000 South 8th St.);	Preserved in: TAB KE FIELD	FOR LAB USE ONLY
City / State / Zip St. Louis, MO 63104	3104	C)	
Contact: Jennifer Gerwitz	Phone: (314) 588-9764	have	
E-Mail: jgerwitz@rjnmail.com	Fax:	Client Comments	
Are these samples known to be involved in litigation? If yes, a surcharge.	itigation? If yes, a surcharge will apply Tes X No	-	
Are there any required reporting limits to be native to the comment section.	Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section. \Box Yes \overline{X} No		
Project Name/Number	Sample Collector's Name	MATRIX INDICATE	INDICATE ANALYSIS REQUESTED
NPDES/15-3069 SCC			
l vo	Billing Instructions #and Type of Containers	Pho Dil an C	
		TSS I Nitrosphologophol	
Other 3 Day (50% Surcharge)	I2SC UNP	orus orus Greas Ilifori de	
Lab Use Only Sample Identification	Date/Time Sampled	see m	
INDAI F. Upstream	02/24/18 10:36 2 2	× × × × × × ×	
OD Downstream	02/21/18 10:58, 2 2	× × × × × × ×	
Relinquished By	Date/Time	Received By	Date/Time
Swin Visigh	02/20/18 /11:30	Kick	13/20/18-1/30
D D			
The individual signing this agreement on beh	The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this	understands the terms and conditions of this	BottleOrder: 41389

I he 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 for terms and conditions.

X,

41389



May 15, 2018

Jennifer Gerwitz RJN Group 2000 South 8th St. St. Louis, MO 63104

TEL: (314) 588-9764

FAX:

RE: NPDES/15-3069

Dear Jennifer Gerwitz:



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

Marin L. Darling II

WorkOrder: 18050329



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



Definitions

http://www.teklabinc.com/

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
- C RL shown is a Client Requested Quantitation Limit
- H Holding times exceeded
- M Manual Integration used to determine area response
- R RPD outside accepted recovery limits
- T TIC(Tentatively identified compound)

- B Analyte detected in associated Method Blank
- E Value above quantitation range
- I Associated internal standard was outside method criteria
- ND Not Detected at the Reporting Limit
 - S Spike Recovery outside recovery limits
 - X Value exceeds Maximum Contaminant Level



Case Narrative

http://www.teklabinc.com/

Client: RJN Group

· IOII GIOGP

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		Springfield		Kansas City
Address	5445 Horseshoe Lake Road	Address	3920 Pintail Dr	Address	8421 Nieman Road
	Collinsville, IL 62234-7425		Springfield, IL 62711-9415		Lenexa, KS 66214
Phone	(618) 344-1004	Phone	(217) 698-1004	Phone	(913) 541-1998
Fax	(618) 344-1005	Fax	(217) 698-1005	Fax	(913) 541-1998
Email	jhriley@teklabinc.com	Email	KKlostermann@teklabinc.com	Email	jhriley@teklabinc.com
	Collinsville Air		Chicago		
Address	5445 Horseshoe Lake Road	Address	1319 Butterfield Rd.		
	Collinsville, IL 62234-7425		Downers Grove, IL 60515		
Phone	(618) 344-1004	Phone	(630) 324-6855		
Fax	(618) 344-1005	Fax			
Email	EHurley@teklabinc.com	Email	arenner@teklabinc.com		



Accreditations

http://www.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



Laboratory Results

http://www.teklabinc.com/

Client: RJN Group

Work Order: 18050329

Client Project: NPDES/15-3069

Report Date: 15-May-18

Lab ID: 18050329-001

Client Sample ID: Upstream

Matrix: AQUEOUS

Collection Date: 05/04/2018 8:58

Analyses	Certification	RL Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 22NI	D ED. 9222 D MEMBR	ANE 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 R	2.0				-		
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



Laboratory Results

http://www.teklabinc.com/

Client: RJN Group

Work Order: 18050329

Client Project: NPDES/15-3069

Report Date: 15-May-18

Lab ID: 18050329-002

Client Sample ID: Downstream

Matrix: AQUEOUS

Collection Date: 05/04/2018 9:26

Analyses	Certification	RL (Qual Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 22N	D ED. 9222 D MEMBR	ANE 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 R	2.0						
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



Receiving Check List

http://www.teklabinc.com/

Client: RJN Group Work Order: 18050329 Client Project: NPDES/15-3069 Report Date: 15-May-18 Carrier: Kevin Madden Received By: AMD Elizabeth a Hurley Marin L. Darling II Reviewed by: On: On: 04-May-18 04-May-18 Elizabeth A. Hurley Marvin L. Darling Pages to follow: Chain of custody Extra pages included 0 Yes 🔽 No 🗍 Not Present Shipping container/cooler in good condition? Temp °C 10.22 Type of thermal preservation? Ice 🗹 Blue Ice None Dry Ice ~ Chain of custody present? No 🗆 Yes ~ Chain of custody signed when relinquished and received? Yes No L ~ Chain of custody agrees with sample labels? Yes Samples in proper container/bottle? Yes ~ No 🗌 **V** No 🗌 Sample containers intact? Yes Sufficient sample volume for indicated test? Yes ~ No 🗌 All samples received within holding time? ~ No 🗌 Yes Lab \square NA 🗹 Field Reported field parameters measured: Yes 🔽 Container/Temp Blank temperature in compliance? 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 🗌 NPDES/CWA TCN interferences checked/treated in the field? No 🗌 Yes 🗌 NA 🔽

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

CHAIN OF CUSTODY

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Work order # 1805033F TEKLAB, INC. 5445 Horseshoe Lake Road - Collinsville, IL 62234 - Phone: (618) 344-1004 - Fax: (618) 344-1005 pg.

Client: RJN Group		Samples on: No ICE BLUE ICE IN NO ICE	0° 08'01
Address: 2000 South 8th St.			FOR LAB USE ONLY
City / State / Zip St. Louis, MO 63104	4	Lab Notes:	
Contact: Jennifer Gerwitz	Phone: (314) 588-9764	Win Many	Tarrel Fred Level
E-Mail: jgerwitz@rjnmail.com	Fax:	TP .	
Are these samples known to be involved in litigation? If yes, a surcharge will apply Are these samples known to be hazardous? \square Yes \overrightarrow{X} No Are there any required reporting limits to be met on the requested analysis?. If yes, limits in the comment section. \square Yes \overrightarrow{X} No	Are these samples known to be involved in litigation? If yes, a surcharge will apply \$\int\text{ Yes \$\overline{\mathbb{K}}\$ No Are these samples known to be hazardous? \$\int\text{ Yes \$\overline{\mathbb{K}}\$ No Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section. \$\int\text{ Yes \$\overline{\mathbb{K}}\$ No	ainfall , 83 in.	81/8/c na
Project Name/Number	Sample Collector's Name	MATRIX INDICATE A	INDICATE ANALYSIS REQUESTED
NPDES/15-3069			
sults Requested	Billing Instructions # and Type of Containers	Pho Dil ar Feca	
	H2S	TSS I Nitrogen Sphoru and Great I Colifor ShlorIde	
Lab Use Only Sample Identification		s ise rm	
Min 1334-001 Upstream	858AM5/41/022	× × × × × × × ×	
Downstream	9.26 AMS/4/1/22	× × × × × × × ×	
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			
Relinguished By,	Date/Time	Received By	Date/Time
Ileuh Madden	9:50AM 5/4/18		4
Anthony Vitale	9:50AM 5/4/18 C	SMOL JOI ICULT	5/4/18 950
The individual signing this agreement on behalf	The individual signing this agreement on behalf of the client acknowledges that helpe has read and understands the tarms and conditions of this	daretands the terms and conditions of this	SOM POOCH STORY
בוווים וויים ביים ביים ביים ביים ביים בי	of the chell, conformedees that he she has read and and	deletation like terms and conduction of this	

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 for terms and conditions.



August 03, 2018

Jennifer Gerwitz RJN Group 2000 South 8th St. St. Louis, MO 63104

TEL: (314) 588-9764

FAX:

RE: NPDES/15-3069

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

Marin L. Darling I



Client: RJN Group

Client Project: NPDES/15-3069

Report Contents

http://www.teklabinc.com/

Work Order: 18071801 Report Date: 03-Aug-18

This reporting package includes the following:

Cover Letter	1
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Case Narrative	4
Accreditations	5
Laboratory Results	6
Receiving Check List	8
Chain of Custody	Appended



Definitions

http://www.teklabinc.com/

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 weigh
- 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
- M Manual Integration used to determine area response
- R RPD outside accepted recovery limits
- T TIC(Tentatively identified compound)

- B Analyte detected in associated Method Blank
- E Value above quantitation range
- I Associated internal standard was outside method criteria
- ND Not Detected at the Reporting Limit
 - S Spike Recovery outside recovery limits
 - X Value exceeds Maximum Contaminant Level



Client: RJN Group

Client Project: NPDES/15-3069

Case Narrative

http://www.teklabinc.com/

Work Order: 18071801

Report Date: 03-Aug-18

Cooler Receipt Temp: 14.82 °C

Locations

Collinsville		Springfield		Kansas City	
Address	5445 Horseshoe Lake Road	Address	3920 Pintail Dr	Address	8421 Nieman Road
	Collinsville, IL 62234-7425		Springfield, IL 62711-9415		Lenexa, KS 66214
Phone	(618) 344-1004	Phone	(217) 698-1004	Phone	(913) 541-1998
Fax	(618) 344-1005	Fax	(217) 698-1005	Fax	(913) 541-1998
Email	jhriley@teklabinc.com	Email	KKlostermann@teklabinc.com	Email	jhriley@teklabinc.com
Collinsville Air		-	Chicago		
Address	5445 Horseshoe Lake Road	Address	1319 Butterfield Rd.		
	Collinsville, IL 62234-7425		Downers Grove, IL 60515		
Phone	(618) 344-1004	Phone	(630) 324-6855		
Fax	(618) 344-1005	Fax			
Email	EHurley@teklabinc.com	Email	arenner@teklabinc.com		



Accreditations

http://www.teklabinc.com/

Work Order: 18071801

Client: RJN Group 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

Laboratory Results

http://www.teklabinc.com/

08/01/2018 13:09 R250396

Work Order: 18071801

Report Date: 03-Aug-18

Client Sample ID: Upstream

mg/L

40

Collection Date: 07/30/2018 13:38

Lab ID: 18071801-001 Matrix: AQUEOUS

Client Project: NPDES/15-3069

Analyses Certification DF RLQual Result Units Date Analyzed Batch STANDARD METHODS 22ND ED. 9222 D MEMBRANE FILTER Fecal Coliform 100 CG CFU/100ml 100 07/30/2018 15:30 R250255 CG-continuous growth that covers the whole or part of the filtration area on membrane filter which makes colonies indistinguishable **EPA 1664A** Hexane Extractable Material **NELAP** < 6 mg/L 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** R 9 mg/L 1 07/31/2018 14:20 R250261 Sample and Duplicate RPD meet the SOP QC criteria for low level results. Data is reportable. STANDARD METHODS 4500-CL E (TOTAL) 1997 Chloride NELAP

5



Laboratory Results

http://www.teklabinc.com/

Client: RJN Group

Work Order: 18071801

Client Project: NPDES/15-3069

Report Date: 03-Aug-18

Lab ID: 18071801-002

Client Sample ID: Downstream

Matrix: AQUEOUS

Collection Date: 07/30/2018 14:04

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch	
STANDARD METHODS 22ND	D ED. 9222 D MEMBR	ANE FILTER							
Fecal Coliform	*	100		CG	CFU/100ml	100	07/30/2018 15:30	R250255	
CG-continuous growth that covers	s the whole or part of the	filtration area o	on membran	e filter whic	h makes coloni	es indistin	guishable		
EPA 1664A									
Hexane Extractable Material	NELAP	6		< 6	mg/L	4	07/31/2018 14:15	R250304	
EPA 600 351.2 R2.0, 353.2 R	2.0								
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 Elizabeth a thurley Completed by: Reviewed by: On: On: 30-Jul-18 30-Jul-18 Nathan Harer Elizabeth A. Hurley 0 Pages to follow: Chain of custody Extra pages included Shipping container/cooler in good condition? Yes 🗸 No 🗌 Not Present Temp °C 14.82 Type of thermal preservation? Ice 🗹 Blue Ice None Dry Ice Chain of custody present? No 🗆 Yes Chain of custody signed when relinquished and received? ~ No 🗌 Yes ~ Chain of custody agrees with sample labels? Yes No 🗌 Samples in proper container/bottle? Yes ~ No 🗌 Sample containers intact? Yes ~ No 🗌 No 🗌 Sufficient sample volume for indicated test? ~ Yes All samples received within holding time? ~ No 🗌 Yes NA 🔽 Reported field parameters measured: Field Lab 🗔 No 🗌 Yes 🔽 Container/Temp Blank temperature in compliance? 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? No 🗌 No TOX containers Yes 🗌 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.

St. Clair County

CHAIN OF CUSTODY

Work order # 1807180 TEKLAB, INC. 5445 Horseshoe Lake Road - Collinsville, IL 62234 - Phone: (618) 344-1004 - Fax: (618) 344-1005 o pg.

Samples on: McE 圖 BLUE ICE 圖 NO ICE 14.8から Preserved in:圖 LAB 画 FIELD かんとかん FOR LAB USE ONLY Lab Notes:	in the Comment of the	Cilent Comments Rainfail 6,44 7/29/18	MATRIX INDICATE ANALYSIS REQUESTED	TSS Total Nitrogen Phosphorus Oll and Grease Fecal Coliform Chloride	× × × × ×	× × × × × × × × ×			Received By Date/Time	7777
2000 South 8th St. Ite / Zip St. Louis, MO 63104	Contact: Jenniter Gerwitz E-Mail: Jgerwitz@rjnmail.com Fax:	Are these samples known to be involved in litigation? If yes, a surcharge will apply \$\int\text{T}\$ \text{ No} Are these samples known to be hazardous? \$\int\text{T}\$ \text{ Yes }\int\text{X}\$ \text{ No} Are there any required reporting limits to be met on the requested analysis? If yes, please provide limits in the comment section. \$\int\text{T}\$ \text{ No}	ject Name/Number Sample Collector's Name	sted Billing Instruments Switcharge) % Surcharge) Identification Date/Time S	Upstream 7 30 14	2 2 X			Christianus Marie 7/30/18 2:78 on	11 Had 7/30/18 2:280m

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 for terms and conditions.

44524

BottleOrder:

WorkOrder: 18110024



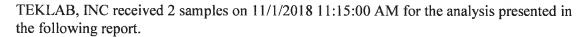
November 09, 2018

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

FAX:

RE: NPDES/15-3069

Dear Jennifer Gerwitz:



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

Mowin L. Darling II



Client: RJN Group

Client Project: NPDES/15-3069

Report Contents

http://www.teklabinc.com/

Work Order: 18110024

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



Definitions

http://www.teklabinc.com/

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
- 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/

Work Order: 18110024

Report Date: 09-Nov-2018

Client: RJN Group
Client Project: NPDES/15-3069

Cooler Receipt Temp: 7.22 °C

Locations

-	Collinsville		Springfield		Kansas City
Address	5445 Horseshoe Lake Road	Address	3920 Pintail Dr	Address	8421 Nieman Road
	Collinsville, IL 62234-7425		Springfield, IL 62711-9415		Lenexa, KS 66214
Phone	(618) 344-1004	Phone	(217) 698-1004	Phone	(913) 541-1998
Fax	(618) 344-1005	Fax	(217) 698-1005	Fax	(913) 541-1998
Email	jhriley@teklabinc.com	Email	KKlostermann@teklabinc.com	Email	jhriley@teklabinc.com
	Collinsville Air		Chicago		
Address	5445 Horseshoe Lake Road	Address	1319 Butterfield Rd		
	Collinsville, IL 62234-7425		Downers Grove, IL 60515		
Phone	(618) 344-1004	Phone	(630) 324-6855		
Fax	(618) 344-1005	Fax			
Email	EHurley@teklabinc.com	Email	arenner@teklabinc.com		



Client Project: NPDES/15-3069

Accreditations

http://www.teklabinc.com/

Client: RJN Group

Work Order: 18110024

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



Laboratory Results

http://www.teklabinc.com/

Client: RJN Group

Work Order: 18110024

Client Project: NPDES/15-3069

Report Date: 09-Nov-2018

Lab ID: 18110024-001

Client Sample ID: Upstream

Matrix: AQUEOUS

Collection Date: 11/01/2018 9:51

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 22ND	DED. 9222 D MEMBR	ANE 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 R	2.0							
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



Laboratory Results

http://www.teklabinc.com/

Client: RJN Group

Work Order: 18110024

Client Project: NPDES/15-3069

Report Date: 09-Nov-2018

Lab ID: 18110024-002

Client Sample ID: Downstream

Matrix: AQUEOUS

Collection Date: 11/01/2018 10:47

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 22NI	D ED. 9222 D MEMBR	ANE FILTER	2				*	
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 R	2.0							
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 Completed by: Marvin L. Darling On: 01-Nov-2018 Marvin L. Darling			Elizabeth A. Hurley	thelag
Pages to follow: Chain of custody 1	Extra pages included	0		
Shipping container/cooler in good condition? Type of thermal preservation? Chain of custody present? Chain of custody signed when relinquished and received? Chain of custody agrees with sample labels? Samples in proper container/bottle? Sample containers intact? Sufficient sample volume for indicated test? All samples received within holding time? Reported field parameters measured: Container/Temp Blank temperature in compliance? When thermal preservation is required, samples are compliance? Output When thermal preservation is required, samples are compliance of the samples are received on ice the samples.	Yes V None	No Ice V No N	Not Present Blue Ice NA	
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	v or on the	e COC.	

CHAIN OF CUSTODY

Client: Address:	RJN Group 2000 South 8th	St.								-	amples on										100			23	143
City / State				_	-	_	-	-			reserved i	n:阊 i	AB	Ø F	EK	ufil	8	TĠ	FUR	LA	3 03	EON	LI		1,00
Contact:	Jennifer Gerwitz	Phone: (314) 588-9764							ab Notes:										No.			1.5			
E-Mail:	jgerwitz@rjnmail.com		Fnone.						c	lient Comr	nents	-	-	201		VΑ	(C.)	-		3.5			_	16	
Are these sample: Are there any requ	s known to be involved in s known to be hazardous fired reporting limits to be ent section. X Yes	? Yes	X No						No le		rainfa	il o	. 52	2 in	, Or	, 19	/31	pe	- G	Co	RaH	S			
STATE OF THE PARTY	ect Name/Number		Sample (Sample Collector's Name				L	MATRIX		Г			INI	DICA	TE	NAL	NALYSIS REQUESTED							
NPDES/15-3069	Requested	Dilli- a I		structions # and Type of Containers				>			P-F	0		7								П			
Standard	1-2 Day (100% Surcharge) 3 Day (50% Surcharge)	Dilling	nstructions	ÇZ	H2S04	уре	T	onta	liners	queous			Chloride	Fecal Coliform	and Grease	Phosphorus	Total Nitrogen	TSS							
Lab Use Only	Sample Identification	Date/	/Time Sampled		4 4				ľ				∄	est	in	e n									
8110024-001	Upstream	11/1/	18 9:5/ AM	2	2	T	T	П		X			Х	Х	х	х	Х	Х	+	+	+	+	+	\vdash	
002	Downstream		11810:474		2					x			Х	Х	х	х	Х	Х							
3 6 (50)		-		Ц	4	+	╀	Н	_	₽															
13.15		+-			+	+	H	Н	+	╀		+	-		-		_	_		4	-	+	+	\vdash	-
14.0%		1		+	+	+	+	Н	+	╁		+	_		-	-	-		\rightarrow	+	+	+	-	H	\vdash
EST TO			1	T	7	+	†	H	+	t										+	-	+	+		
1 7-1			1.970		\top	T	T		\top	t										-	+	+	-	H	-
					T			H	_	t		+	-					3	+	+	+	+	+-	\vdash	
Mail egy				П	7	+	T	П	+	t		\top			-				\rightarrow	+	-	+			+
	Relinquished By			D	ate/	Time	_			⇈		Re	ceiv	ed B	v	_	_	7.7	-	_	+	Deta	/Time		

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.teklabino.com for terms and conditions.

BottleOrder:

46245

