

Protecting Our Water Environment



Metropolitan Water Reclamation District of Greater Chicago

***MONITORING AND RESEARCH
DEPARTMENT***

REPORT NO. 25-48

***RESULTS OF ACUTE TOXICITY TESTING WITH Ceriodaphnia dubia
AND Pimephales promelas ON AN OCTOBER 2025 EFFLUENT
SAMPLE FROM THE JAMES C. KIRIE WATER RECLAMATION PLANT
OF THE METROPOLITAN WATER RECLAMATION DISTRICT OF
GREATER CHICAGO***

November 2025

Metropolitan Water Reclamation District of Greater Chicago
100 East Erie Street Chicago, Illinois 60611-2803 (312) 751-5600

**RESULTS OF ACUTE TOXICITY TESTING WITH *Ceriodaphnia dubia* AND *Pimephales promelas* ON AN OCTOBER 2025 EFFLUENT SAMPLE FROM THE JAMES C. KIRIE
WATER RECLAMATION PLANT OF THE METROPOLITAN WATER
RECLAMATION DISTRICT OF GREATER CHICAGO**

By

**EnviroScience, Incorporated
5070 Stow Road
Stow, Ohio 44224**

**Monitoring and Research Department
Edward W. Podczerwinski, Director**

November 2025

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Protecting Our Water Environment

Metropolitan Water Reclamation District of Greater Chicago

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Edward W. Podczerwinski, P.E.

Director of Monitoring and Research

November 20, 2025

Illinois Environmental Protection Agency
Compliance Assurance Section CAS #19
2520 W. Iles Ave.
P.O. Box 19276
Springfield, IL 62794-9276

Subject: Biomonitoring Report for 2025 – Acute Toxicity Test Results for the
James C. Kirie Water Reclamation Plant, National Pollutant Discharge
Elimination System Permit Number IL0047741

The subject biomonitoring report including acute whole effluent toxicity test results for *Pimephales promelas* and *Ceriodaphnia dubia* is submitted in compliance with National Pollutant Discharge Elimination System Permit Number IL0047741, Special Condition 11. The report covers the monitoring done for samples collected in the ninth month before the expiration of the permit.

The subject report prepared by EnviroScience, Inc., includes copies of all bench sheets, chain-of-custody forms, sample receipt, preparation forms, a summary of final results and test information, quality assurance record, and water quality results.

If you have any questions concerning this report, please contact Mr. Thomas Minarik, Principal Environmental Scientist, at (708) 588-4223.

Very truly yours,



Albert Cox
Environmental Monitoring and Research
Manager
Monitoring and Research Department

AC:TM:NK:ek

Enclosure

cc: E. Podczerwinski/P. Desai

H. Zhang/T. Minarik/N. Kollias

Via electronic mail

RESULTS OF ACUTE TOXICITY TESTS

48 Hour - *Ceriodaphnia dubia* (water flea)
96 Hour - *Pimephales promelas* (fathead minnow)

Testing period: October 8-12, 2025
Sample collection dates: October 6-7, 2025
Report date: October 22, 2025

Conducted For:
KIRIE WRP
701 Oakton Street
Des Plains, IL 60018

IL0047741

Conducted and Prepared By:
ENVIROSCIENCE, INCORPORATED
5070 Stow Rd.
Stow, OH 44224
330-688-0111



 _____, Aquatic Biologist

October 22, 2025

Mr. Nicholas Kollias
Kirie WRP
701 Oakton Street
Des Plains, IL 60018

Dear Mr. Kollias:

Enclosed is a copy of EnviroScience's report for the following whole effluent toxicity (WET) tests that were initiated on October 8, 2025 with effluent collected from outfall 001:

- (1) 48-hour static acute bioassay using *Ceriodaphnia dubia* (water flea) and
- (1) 96-hour static acute bioassay using *Pimephales promelas* (fathead minnow).

The effluent sample was not shown to be toxic to either species. Acute Toxicity Units (TU_a) are listed below.

WET test endpoints for Kirie, 10/2025
sample collection period 10/06-07/25

Effluent:

<i>Ceriodaphnia dubia</i> (water flea)	48HR LC ₅₀ = >100% effluent;	TU _a = <1.0 (TU _a = 100/LC ₅₀)
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<i>Pimephales promelas</i> (fathead minnow)	96HR LC ₅₀ = >100% effluent;	TU _a = <1.0 (TU _a = 100/LC ₅₀)
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Please call me if you have any questions.

Sincerely,



Alexandria M. Tite, Aquatic Biologist

enclosures



EnviroScience

5070 Stow Road
Stow, OH 44224

BIOMONITORING REPORT FORM FOR NPDES PERMIT REQUIREMENTS

Table 1. General Information

1. Facility: Kirie WRP
2. Address: 701 Oakton Street, Des Plains, Illinois 60018
3. NPDES Permit No.: IL0047741
4. Facility Contact: Nicholas Kollias 5. Phone No.: 708-588-4074
6. Testing Lab: EnviroScience, Inc., 5070 Stow Rd., Stow, OH 44224
7. Laboratory Contact: Alex Tite 8. Phone No.: 330-688-0111
9. Receiving Water(s) of Discharge: Higgins Creek
10. Outfall(s) Tested: 001
11. Test Species/Type: #1 Ceriodaphnia dubia (water flea) 48-hour definitive, static, non-renewal EPA 2002.0
#2 Pimephales promelas (fathead minnow) 96-hour definitive, static, non-renewal EPA 2000.0
12. Dechlorination?: no Original Chlorine Conc.: <0.02 mg/l
13. Report Contents:
- | | |
|-----------------------------------|---------|
| General information..... | Table 1 |
| Sampling information | Table 2 |
| Test dates and times..... | Table 3 |
| Initial chemistry | Table 4 |
| Test conditions | Table 5 |
| Test results Plant Effluent | Table 6 |
| Additional Information | Table 7 |
- Attachments
- Chain-of-Custody, bench sheets/data analysis
 - SRT control charts


 Signature of preparer

10/22/25
 Date

Alexandria M. Tite
 Name (typed or printed)

Aquatic Biologist
 Title

Table 2. Sampling summary.

Outfall	Sample Type	Volume Collected	Sample Collection		Comments
			Begin MM/DD/YY- Time	End or Grab MM/DD/YY- Time	
001	composite	1 gallon	10/06/25-0600	10/07/25-0600	

Table 3. Testing periods.

<i>Ceriodaphnia dubia</i> (water flea)		<i>Pimephales promelas</i> (fathead minnow)	
Start Date: MM/DD/YY	10/08/25	Start Date: MM/DD/YY	10/08/25
Start Time:	1310 hrs	Start Time:	1335 hrs
End Date: MM/DD/YY	10/10/25	End Date: MM/DD/YY	10/12/25
End Time:	1340 hrs	End Time:	1235 hrs

Notes: Sample receipt: 10/08/25-1035; 1.4 °C.

Table 4. Initial chemistry. DO = dissolved oxygen. TRC = total residual chlorine.

sample # (Plant Effluent)	collection date	DO mg/L	pH s.u.	conductivity µmho/cm	alkalinity mg/L CaCO ₃	hardness mg/L CaCO ₃	TRC mg/L	Ammonia mg/L
001	10/06-07/25	8.6	7.3	994	142	256	<0.02	0.41

Methods or Instrumentation used in chemical analysis:

Dissolved Oxygen: APHA (1998, 20th ed.) 4500-O G., OX 4100L

pH: APHA (1998, 20th ed.) 4500-H⁺ B., Orion Star A211

Conductivity: APHA (1998, 20th ed.) 2510 B., Orion Star A212

Total Alkalinity: APHA (1998, 20th ed.) 2320 B.

Total Hardness: APHA (1998, 20th ed.) 2340 C.

Total Residual Chlorine: APHA (1998, 20th ed.) 4500-Cl D., HACH TitraLab AT1000

Table 5. Summary of toxicity test conditions for testing with *Ceriodaphnia dubia* and *Pimephales promelas*.

	<i>Ceriodaphnia dubia</i>	<i>Pimephales promelas</i>
1. Test dates:	10/08/25-1310 to 10/10/25-1340	10/08/25-1335 to 10/12/25-1235
2. Test type and duration:	static, non-renewal, 48 hours	static, non-renewal, 96-hours
3. Age and source of organisms:	<24 hours, EnviroScience 10/07/25-1600	8 days, ES 09/29/25-1525
4. Photoperiod/ Light quality:	16 hours light / 8 hours dark fluorescent light, 50-100fc	16 hours light / 8 hours dark fluorescent light, 50-100fc
5. Test temperature:	25±1 °C	25±1 °C
6. Feeding regime:	fed alga <i>Selenastrum capricornutum</i> and YAT prior to test only	fed <500 brine shrimp/vessel at 48-hours
7. Size of test vessel:	30 ml plastic cup	600 ml glass beaker
8. Volume and depth of test solutions:	15 ml and 24 mm	250 ml and 42 mm
9. No. of test organisms per vessel:	5	10
10. No. of vessels per solution:	4	2
11. Total no. of organisms per test level:	20	20
12. Test concentrations as % effluent:	6.25, 12.5, 25, 50, and 100	6.25, 12.5, 25, 50, and 100
13. Dilution and primary control water:	moderately hard reconstituted water, MHRW	moderately hard reconstituted water, MHRW
14. Secondary control:	moderately hard dilute mineral water, DMW	moderately hard dilute mineral water, DMW
15. Aeration:	none	none
16. Endpoints:	mortality - no movement with gentle prodding (LC ₅₀); plus behavioral effects such as atypical swimming (EC ₅₀)	mortality - no movement with gentle prodding (LC ₅₀); plus behavioral effects such as atypical swimming (EC ₅₀)
17. No. of consecutive tests conducted with an <u>alternate</u> source of primary control water:	NA	NA

Table 6. Percent cumulative mortality, LC₅₀, EC₅₀, and 95% confidence intervals for acute toxicity tests using *Ceriodaphnia dubia* and *Pimephales promelas* using effluent collected from **Outfall 001**.

Concentration	<i>C. dubia</i> (water flea) <u>10/08/25 to 10/10/25</u>		<i>P. promelas</i> (fathead minnow) <u>10/08/25 to 10/12/25</u>			
	24-hours % mortality	48-hours % mortality	24-hours % mortality	48-hours % mortality	72-hours % mortality	96-hours % mortality
MHRW lab water, diluent	0	0	0	0	0	5
DMW, lab water	0	0	0	0	5	5
6.25% effluent	0	0	0	0	0	5
12.5% effluent	0	0	0	0	0	5
25% effluent	0	0	0	0	0	0
50% effluent	0	0	0	0	5	5
100% effluent	0	0	0	0	0	10
LC ₅₀	<u>>100%</u> effluent	<u>>100%</u> effluent	<u>>100%</u> effluent	<u>>100%</u> effluent	<u>>100%</u> effluent	<u>>100%</u> effluent
95% C.I.						
EC ₅₀	<u>>100%</u> effluent	<u>>100%</u> effluent	<u>>100%</u> effluent	<u>>100%</u> effluent	<u>>100%</u> effluent	<u>>100%</u> effluent
95% C.I.						
TUa (100÷LC ₅₀)		<1.0				<1.0
Methods:	Cetis 2.1.6.					

ATTACHMENTS

Chain-of-Custody/Sample Submission
Bench sheets
Standard Reference Toxicant Control Charts



EnviroScience
Excellence In Any Environment

EnviroScience, Inc.
5070 Stow Road
Stow, OH 44224
Phone (330) 688-0111
Fax (330) 688-3858
1-800-940-4025

Client: Kirie Jand's C. Kirie Water Reclamation Plant
Address: 6001 West Pershing Road 701 W. Oakton St.
Cicero, IL 60804-Des Plaines, IL 60018
Contact: Nicholas Kollias
Phone: 708-588-4074
Permit #: IL0047741

SAMPLE SUBMISSION AND CHAIN OF CUSTODY FORM

Test(s) to be performed:

- () Chronic Definitive
(☒) Acute Definitive
() 48 hr. Screening
() 24 hr. Stormwater
() Pass/Fail

Test Species

- (☒) P. promelas and C. dubia
() P. promelas
() C. dubia
() D. magna
()

Wastewater Type (Circle One)
Industrial Other
(Municipal)
Other

When listing a composite sample in the table below, please provide the start and end time of the composite period.

Start		End		Station No.	Sample Site	Sample Type		Number of Cubitainers	Chemistry				
Date	Time	Date	Time			Comp	Grab		TRC	Cond	D.O.	pH	Temp. °C
10/6/25	0600	10/7/25	0600	001	Kirie Final WRP Effluent	✓		1	0	985	8.96	7.45	6.2

Comp. = Composite, D.O. = Dissolved Oxygen measured in mg/l, pH measured in s.u., Conductivity measured in uohm/cm

Sampling Collector's Information: please check all appropriate boxes

EnviroScience Personnel Only			
Effluent	Collectors Name:	Effluent	Collected By:
☒	Jorge Abreu	Upstream	Collectors Signature:
	Jorge Abreu	Near Field	
		Far Field	
Plume Determined By What Method?			

Comments:

Received from:	Received by:	Date	Time	Shipping Information		EnviroScience Use Only	
MWR DGC	Nicholas Kollias	10/08/25	1035	Date Shipped	10/7/25	Client	Kirie
				Time Shipped	1120	Sample ID's	KRL100825 EFF
				Method Shipped	FedEx	Cond. Of Container	Good
				ES Vehicle		Temp. °C	1.4

EnviroScience, Inc. Cooler Receipt Form (Form 7050-5 rev. 04/05/25)

Client James C. Kirie

ES Sample ID KIR100825 EFF

Cooler Received by: MS

Date Cooler Received and Opened 100825

Received from: FedEx ☒ UPS ☐ Client Drop Off ☐ ES Courier ☐

1. Were custody seals on the outside of cooler? Yes ☐ No ☒
Were custody seals signed, dated and intact? Yes ☐ No ☒
2. Did Chain of Custody (COC) accompany the samples? Yes ☒ No ☐
3. Were the COC's signed in the appropriate places? Yes ☒ No ☐
If No explain _____
4. Was the sample time and date filled in correctly? Yes ☒ No ☐
5. Sample Temperature upon receipt 1.4 °C
6. Did all sample container labels match the samples written on the COC? Yes ☒ No ☒
Were the sample containers in good condition? Yes ☒ No ☐
7. Was sufficient quantity received to perform indicated tests? Yes ☒ No ☐
8. Was this sample received within required holding time? Yes ☒ No ☐
9. Presence or Absence of headspace: Present ☐ Absent ☒
10. EPA method code: 1000.0: ☐ 1002.0: ☐ 2000.0: ☒ 2002.0: ☒

Explain any discrepancies or client notifications that occurred regarding this sample: Cub container was not labeled



Acute, 48-hour, non-renewal Bioassay:

Project: KERTNo.: 126047741Start Date: 100825 Time: 1310End Date: 100825 Time: 1340Organism: C. dubiaSource: BB100225Hatch/Age: 100725 1600 24hrsDiluent: MHRSample #: KR100825 EFF

test levels	Biological Parameters				Chemistry and Physical Parameters											
	Rep	n	Dead / Affected		Temperature (Celsius)			Dissolved Oxygen (mg/L)			pH (s.u.)			Conductivity (µmhos/cm)		
			24 hr	48 hr	0	24	48	0	24	48	0	24	48	0	24	48
MHR	A	5	0/0	0/0	24.0	24.4	24.0	8.6		8.6	7.5		7.5	288		350
	B	5	0/0	0/0												
	C	5	0/0	0/0												
	D	5	0/0	0/0												
DMW	A	5	0/0	0/0	24.0	25.0	24.0	8.6		8.6	7.4		7.5	321		352
	B	5	0/0	0/0												
	C	5	0/0	0/0												
	D	5	0/0	0/0												
6.25	A	5	0/0	0/0	24.0	25.0	24.0	8.6		8.6	7.3		7.4	325		343
	B	5	0/0	0/0												
	C	5	0/0	0/0												
	D	5	0/0	0/0												
12.5	A	5	0/0	0/0	24.0	25.1	24.0	8.6		8.6	7.3		7.4	376		385
	B	5	0/0	0/0												
	C	5	0/0	0/0												
	D	5	0/0	0/0												
25	A	5	0/0	0/0	24.0	25.1	24.0	8.6		8.6	7.3		7.4	453		456
	B	5	0/0	0/0												
	C	5	0/0	0/0												
	D	5	0/0	0/0												
50	A	5	0/0	0/0	24.0	25.0	24.0	8.6		8.6	7.2		7.5	639		633
	B	5	0/0	0/0												
	C	5	0/0	0/0												
	D	5	0/0	0/0												
100	A	5	0/0	0/0	24.0	25.0	24.0	8.6		8.6	7.2		7.7	997		917
	B	5	0/0	0/0												
	C	5	0/0	0/0												
	D	5	0/0	0/0												
Time	1310		1335	1340	1310	1335	1340	1115		1350	1125		1350	1110		1350
Tech	M		TM	UB	M	TM	UB	DA		AL	DA		AL	DA		AL
					3	4	4	OX 4100L			Orion Star A211 A			Orion Star A212		
					ID or √ instrument used			✓		✓	✓			✓		✓
								Other:			Orion Star A211 B			Other:		
													✓			

USEPA Method: 2002.0

Form 8010-5 rev. 01/09/25

/ms

CETIS Analytical Report

Report Date: 16 Oct-25 08:14 (p 1 of 2)
Test Code/ID: 65CF12B2 / 17-0806-9554

Ceriodaphnia 48-h Acute Survival Test

EnviroScience

Analysis ID: 00-7799-2700	Endpoint: 48h Survival Rate	CETIS Version: CETIS v2.1.6
Analyzed: 16 Oct-25 8:14	Analysis: Linear Interpolation (ICPIN)	Status Level: 1
Edit Date: 16 Oct-25 0:00	MD5 Hash: 68E117461239090AA7E1427F0F536296	Editor ID: 001-210-168-4
Batch ID: 21-4451-0256	Test Type: Survival (48h)	Analyst:
Start Date: 08 Oct-25 13:10	Protocol: EPA/821/R-02-012 (2002)	Diluent: Mod-Hard Synthetic Water
Ending Date: 10 Oct-25 13:40	Species: Ceriodaphnia dubia	Brine:
Test Length: 49h	Taxon: Branchiopoda	Source: In-House Culture Age:
Sample ID: 13-6356-1637	Code: 51464CA5	Project:
Sample Date: 07 Oct-25 06:00	Material: POTW Effluent	Source: Discharge Monitoring Report
Receipt Date: 08 Oct-25 10:35	CAS (PC):	Station: 001
Sample Age: 31h	Client: Kirie	

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	1451538	1000	Yes	Two-Point Interpolation

Test Acceptability Criteria

Attribute	Test Stat	Lower	Upper	Overlap	Decision
Control Resp	1	0.9	>>	Yes	Passes Criteria

Point Estimates

Level	%	95% LCL	95% UCL	Tox Units	95% LCL	95% UCL
LC50	>100	---	---	<1	---	---

48h Survival Rate Summary			Calculated Variate(A/B)							Isotonic Variate	
Conc-%	Code	Count	Mean	Median	Min	Max	CV%	%Effect	ΣA/ΣB	Mean	%Effect
0	D	4	1.0000	1.0000	1.0000	1.0000	0.00%	0.00%	20/20	1.0000	0.00%
6.25		4	1.0000	1.0000	1.0000	1.0000	0.00%	0.00%	20/20	1.0000	0.00%
12.5		4	1.0000	1.0000	1.0000	1.0000	0.00%	0.00%	20/20	1.0000	0.00%
25		4	1.0000	1.0000	1.0000	1.0000	0.00%	0.00%	20/20	1.0000	0.00%
50		4	1.0000	1.0000	1.0000	1.0000	0.00%	0.00%	20/20	1.0000	0.00%
100		4	1.0000	1.0000	1.0000	1.0000	0.00%	0.00%	20/20	1.0000	0.00%

48h Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	D	1.0000	1.0000	1.0000	1.0000
6.25		1.0000	1.0000	1.0000	1.0000
12.5		1.0000	1.0000	1.0000	1.0000
25		1.0000	1.0000	1.0000	1.0000
50		1.0000	1.0000	1.0000	1.0000
100		1.0000	1.0000	1.0000	1.0000

48h Survival Rate Binomials

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	D	5/5	5/5	5/5	5/5
6.25		5/5	5/5	5/5	5/5
12.5		5/5	5/5	5/5	5/5
25		5/5	5/5	5/5	5/5
50		5/5	5/5	5/5	5/5
100		5/5	5/5	5/5	5/5

CETIS Analytical Report

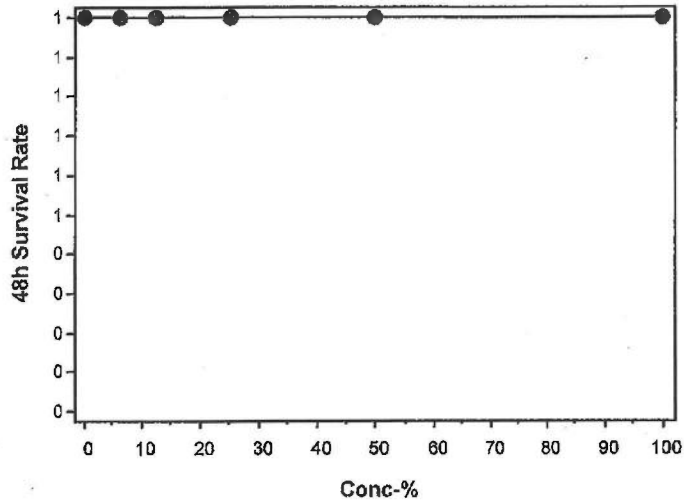
Report Date: 16 Oct-25 08:14 (p 2 of 2)
Test Code/ID: 65CF12B2 / 17-0806-9554

Ceriodaphnia 48-h Acute Survival Test

EnviroScience

Analysis ID: 00-7799-2700	Endpoint: 48h Survival Rate	CETIS Version: CETIS v2.1.6
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Edit Date: 16 Oct-25 0:00	MD5 Hash: 68E117461239090AA7E1427F0F536296	Editor ID: 001-210-168-4

Graphics





ACUTE, 96 HOUR, NON- RENEWAL BIOASSAY:

Project: KIRINo.: 16047741Start Date: 100825 Time: 1335End Date: 101225 Time: 1235Organism: Pimephales promelas (FHM)Source: ES CULTURESHatch/Age: 092925 15.25 8 days oldDiluent: MHRSample #: KIRI 100825 EFF

Biological Parameters: # Mortalities / # Affected

test levels→			MHR	DMW	6.25	12.5	25	50	100
0 hours set-up	Tech	<u>TM</u>	n	A	10	10	10	10	10
	Time	<u>1335</u>	n	B	10	10	10	10	10
24 hours	Tech	<u>TM</u>	A		0/0	0/0	0/0	0/0	0/0
	Time	<u>1430</u>	B		0/0	0/0	0/0	0/0	0/0
48 hours	Tech	<u>TM</u>	A		0/0	0/0	0/0	0/0	0/0
	Time	<u>1430</u>	B		0/0	0/0	0/0	0/0	0/0
72 hours	Tech	<u>UB</u>	A		0/0	1/1	0/0	0/0	1/1
	Time	<u>1450</u>	B		0/0	0/0	0/0	0/0	0/0
96 hours	Tech	<u>HO</u>	A		0/0	1/1	1/1	0/0	1/1
	Time	<u>1235</u>	B		1/1	0/0	0/0	0/0	0/0

Chemical and Physical Data

	Tech	Time	Instr.#	MHR	DMW	6.25	12.5	25	50	100
Temp. °C	0 hr	<u>TM</u>	<u>1335</u>	<u>4</u>	<u>24.0</u>	<u>24.0</u>	<u>24.0</u>	<u>24.0</u>	<u>24.0</u>	<u>24.2</u>
	24 hr	<u>TM</u>	<u>1430</u>	<u>4</u>	<u>24.7</u>	<u>25.0</u>	<u>25.1</u>	<u>25.2</u>	<u>25.1</u>	<u>25.1</u>
	48 hr	<u>TM</u>	<u>1430</u>	<u>11</u>	<u>24.5</u>	<u>24.6</u>	<u>24.7</u>	<u>24.7</u>	<u>24.4</u>	<u>24.6</u>
	72 hr	<u>UB</u>	<u>1450</u>	<u>11</u>	<u>24.9</u>	<u>25.0</u>	<u>25.0</u>	<u>25.0</u>	<u>24.8</u>	<u>24.7</u>
	96 hr	<u>HO</u>	<u>1225</u>	<u>11</u>	<u>24.2</u>	<u>24.7</u>	<u>24.7</u>	<u>24.6</u>	<u>24.3</u>	<u>24.4</u>
cond. µmhos/cm	0 hr	<u>DA</u>	<u>1110</u>	<u>A212</u>	<u>288</u>	<u>321</u>	<u>325</u>	<u>376</u>	<u>453</u>	<u>639</u>
	24 hr	<u>DA</u>	<u>1035</u>	<u>A212</u>	<u>287</u>	<u>337</u>	<u>347</u>	<u>399</u>	<u>466</u>	<u>652</u>
	48 hr	<u>AL</u>	<u>0920</u>	<u>A212</u>	<u>294</u>	<u>378</u>	<u>351</u>	<u>403</u>	<u>477</u>	<u>647</u>
	72 hr	<u>AL</u>	<u>1000</u>	<u>A212</u>	<u>491</u>	<u>349</u>	<u>351</u>	<u>394</u>	<u>478</u>	<u>647</u>
	96 hr	<u>AL</u>	<u>0900</u>	<u>A212</u>	<u>551</u>	<u>436</u>	<u>397</u>	<u>437</u>	<u>526</u>	<u>717</u>
DO mg/L	0 hr	<u>DA</u>	<u>1115</u>	<u>OX 4100L</u>	<u>8.6</u>	<u>8.6</u>	<u>8.6</u>	<u>8.6</u>	<u>8.6</u>	<u>8.6</u>
	24 hr	<u>DA</u>	<u>1140</u>	<u>OX 4100L</u>	<u>8.6</u>	<u>8.6</u>	<u>8.5</u>	<u>8.6</u>	<u>8.6</u>	<u>8.5</u>
	48 hr	<u>AL</u>	<u>0920</u>	<u>OX 4100L</u>	<u>8.6</u>	<u>8.6</u>	<u>8.6</u>	<u>8.6</u>	<u>8.6</u>	<u>8.6</u>
	72 hr	<u>AL</u>	<u>1000</u>	<u>OX 4100L</u>	<u>8.6</u>	<u>8.6</u>	<u>8.6</u>	<u>8.6</u>	<u>8.6</u>	<u>8.6</u>
	96 hr	<u>AL</u>	<u>0900</u>	<u>OX 4100L</u>	<u>8.6</u>	<u>8.6</u>	<u>8.6</u>	<u>8.6</u>	<u>8.6</u>	<u>8.6</u>
pH s.u.	0 hr	<u>DA</u>	<u>1125</u>	<u>KA211A</u>	<u>7.5</u>	<u>7.4</u>	<u>7.3</u>	<u>7.3</u>	<u>7.3</u>	<u>7.2</u>
	24 hr	<u>DA</u>	<u>1045</u>	<u>KA211A</u>	<u>7.3</u>	<u>7.3</u>	<u>7.4</u>	<u>7.4</u>	<u>7.4</u>	<u>7.5</u>
	48 hr	<u>AL</u>	<u>0920</u>	<u>KA211B</u>	<u>7.5</u>	<u>7.8</u>	<u>7.6</u>	<u>7.6</u>	<u>7.6</u>	<u>7.8</u>
	72 hr	<u>AL</u>	<u>1000</u>	<u>KA211A</u>	<u>7.6</u>	<u>7.7</u>	<u>7.6</u>	<u>7.6</u>	<u>7.6</u>	<u>7.8</u>
	96 hr	<u>AL</u>	<u>0900</u>	<u>KA211B</u>	<u>7.9</u>	<u>8.1</u>	<u>7.9</u>	<u>7.9</u>	<u>7.9</u>	<u>8.1</u>

USEPA method 2000.0

Form 8040-6 rev. 01/09/2025

JMS

CETIS Analytical Report

Report Date: 16 Oct-25 08:26 (p 1 of 2)
Test Code/ID: 74E43FDB / 19-6111-5611

Fathead Minnow 96-h Acute Survival Test

EnviroScience

Analysis ID: 03-4662-6796 Endpoint: 96h Survival Rate CETIS Version: CETIS v2.1.6
Analyzed: 16 Oct-25 8:25 Analysis: Linear Interpolation (ICPIN) Status Level: 1
Edit Date: 16 Oct-25 0:00 MD5 Hash: C9181CCB69BD0AC8112DBE46D416AC5 Editor ID: 001-210-168-4

Batch ID: 06-3953-8378 Test Type: Survival (96h) Analyst:
Start Date: 08 Oct-25 13:35 Protocol: EPA/821/R-02-012 (2002) Diluent: Mod-Hard Synthetic Water
Ending Date: 12 Oct-25 12:35 Species: Pimephales promelas Brine:
Test Length: 95h Taxon: Actinopterygii Source: In-House Culture Age:

Sample ID: 00-7663-3664 Code: 4915640 Project:
Sample Date: 07 Oct-25 06:00 Material: POTW Effluent Source: Discharge Monitoring Report
Receipt Date: 08 Oct-25 10:35 CAS (PC): Station: 001
Sample Age: 32h Client: Kirie

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	571673	1000	Yes	Two-Point Interpolation

Test Acceptability Criteria

Attribute	Test Stat	TAC Limits		Overlap	Decision
		Lower	Upper		
Control Resp	0.95	0.9	>>	Yes	Passes Criteria

Point Estimates

Level	%	95% LCL	95% UCL	Tox Units	95% LCL	95% UCL
LC50	>100	---	---	<1	---	---

96h Survival Rate Summary

Conc-%	Code	Count	Mean	Median	Calculated Variate(A/B)					Isotonic Variate	
					Min	Max	CV%	%Effect	ΣA/ΣB	Mean	%Effect
0	D	2	0.9500	0.9500	0.9000	1.0000	7.44%	0.00%	19/20	0.9625	0.00%
6.25		2	0.9500	0.9500	0.9000	1.0000	7.44%	0.00%	19/20	0.9625	0.00%
12.5		2	0.9500	0.9500	0.9000	1.0000	7.44%	0.00%	19/20	0.9625	0.00%
25		2	1.0000	1.0000	1.0000	1.0000	0.00%	-5.26%	20/20	0.9625	0.00%
50		2	0.9500	0.9500	0.9000	1.0000	7.44%	0.00%	19/20	0.9500	1.30%
100		2	0.9000	0.9000	0.8000	1.0000	15.71%	5.26%	18/20	0.9000	6.49%

96h Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2
0	D	1.0000	0.9000
6.25		0.9000	1.0000
12.5		0.9000	1.0000
25		1.0000	1.0000
50		0.9000	1.0000
100		0.8000	1.0000

96h Survival Rate Binomials

Conc-%	Code	Rep 1	Rep 2
0	D	10/10	9/10
6.25		9/10	10/10
12.5		9/10	10/10
25		10/10	10/10
50		9/10	10/10
100		8/10	10/10

CETIS Analytical Report

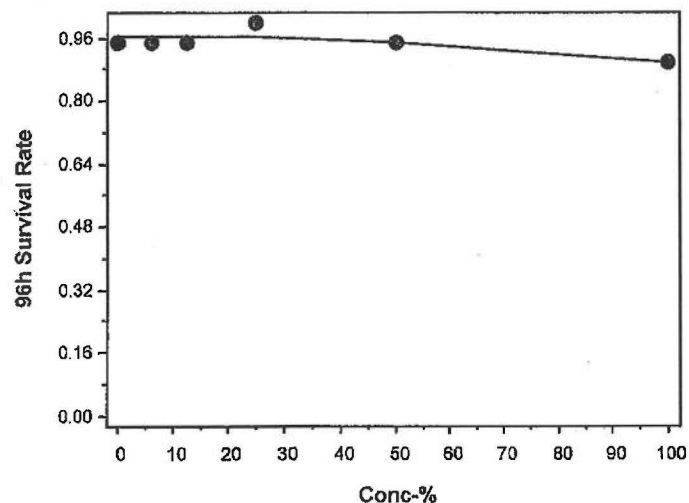
Report Date: 16 Oct-25 08:26 (p 2 of 2)
Test Code/ID: 74E43FDB / 19-6111-5611

Fathead Minnow 96-h Acute Survival Test

EnviroScience

Analysis ID: 03-4662-6796	Endpoint: 96h Survival Rate	CETIS Version: CETIS v2.1.6
Analyzed: 16 Oct-25 8:25	Analysis: Linear Interpolation (ICPIN)	Status Level: 1
Edit Date: 16 Oct-25 0:00	MD5 Hash: C9181CCB69BD0AC8112DBE46D416AC5	Editor ID: 001-210-168-4

Graphics





Acute, Static Bioassay:
Initial Water Quality Checks (DO, pH, conductivity, chlorine,
alkalinity, hardness) and Dilution Record

Client: KIRI
Date: 100825
Form 5000 rev. 01/09/25

Permit No.: 120047741

Initial Water Quality Data:

Sample Id	D. Oxygen (mg/L-%sat) >4 & <100%?	pH (s.u) 6-9?	Conductivity (µmhos/cm)	TRC _i (mg/L) <0.02?	TRC _A (mg/L)	Alkalinity (mg/L CaCO ₃) MDL = 20 mg/l	Hardness-EDTA (mg/L CaCO ₃) MDL = 5 mg/l
MHRW batch# <u>100825B</u>	<u>8.6</u>	<u>6.9</u>	☒ Star A211 A ☐ Star A211 B	<u>270</u>	<u>4002</u>	<u>NA</u>	<u>(2.8)52</u> <u>(2.7)100</u>
<u>KIRI 100825 EFF</u>	<u>8.6</u>	<u>7.3</u>	☒ Star A211 A ☐ Star A211 B ☐ Star A211 A ☐ Star A211 B ☐ Star A211 A ☐ Star A211 B ☐ Star A211 A ☐ Star A211 B	<u>994</u>	<u>40.02</u>	<u>(7.1)142</u>	<u>(6.4)256</u>
INITIALS →	<u>DA</u>	<u>DA</u>	<u>DA</u>	<u>DA</u>		<u>DA</u>	<u>DA</u>

Dilution Record:

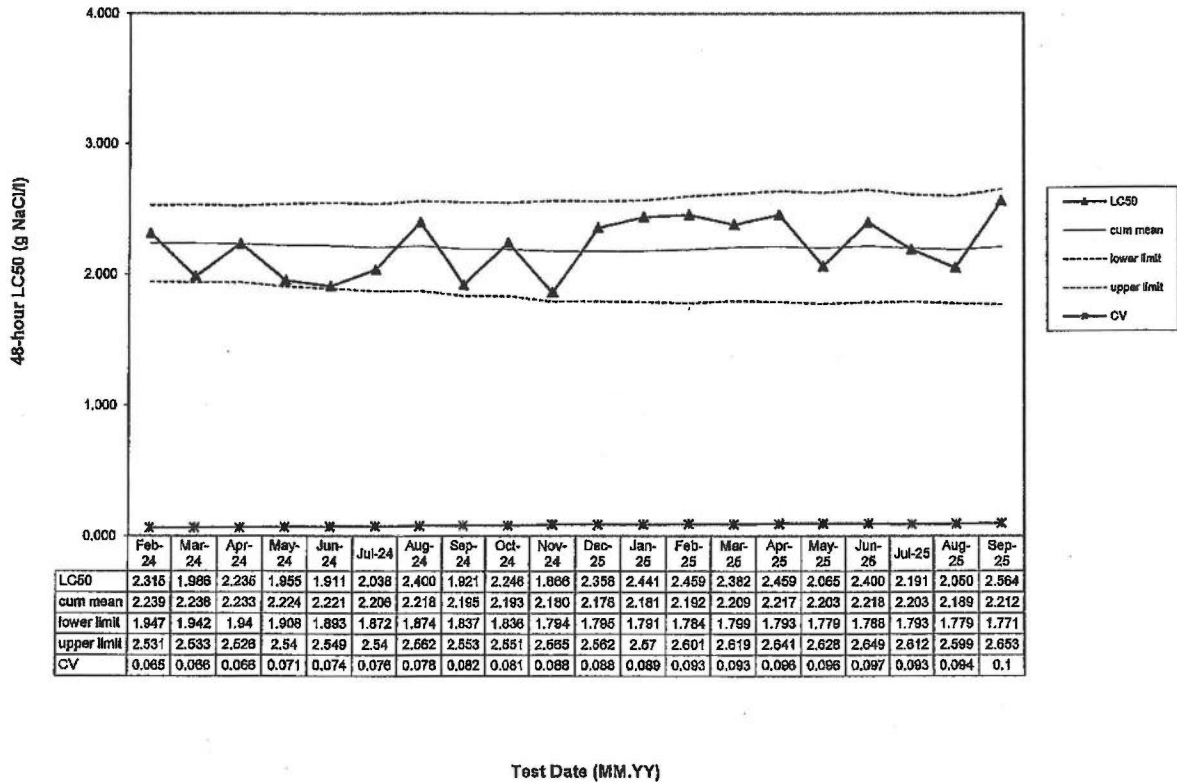
SAMPLE ID	Composited	60µm Filtered	% DILUTION	INITIATION		RENEWAL ☒ No	
				Effluent (mL)	Final (mL)	Effluent (mL)	Final (mL)
<u>KIRI 100825 EFF</u>	☐ Yes ☒ No	☐ Yes ☒ No					
	☐ Yes ☐ No	☐ Yes ☐ No	<u>6.25</u>	<u>625</u>	<u>1000</u>		
	☐ Yes ☐ No	☐ Yes ☐ No	<u>12.5</u>	<u>125</u>	<u>↓</u>		
Comments: <u>Ammonia: 0.41 mg/L</u>			<u>25</u>	<u>250</u>			
			<u>50</u>	<u>500</u>	<u>↓</u>		
Methods/Instrumentation : DO: APHA (1998) 4500-O G, OX4100L pH: APHA (1998) 4500-H B, Star A211 Conductivity: APHA (1998) 2510-B, Orion Star A212 Hardness: APHA (1998) 2340-C Alkalinity: APHA (1998) 2320-B TRC: APHA (1998) 4500-Cl D, TitraLab AT 1000 USEPA Methods: 2000.0; 2002.0			Dilution Water:	☐ Upstream ☒ MHR		☐ Upstream ☐ MHR	
			MHR Batch:	<u>100625 B</u>			

TRC_i = total residual chlorine, initial value
TRC_A = total residual chlorine, after dechlorination

IMS

Dechlorination procedure: Sodium thiosulfate is used to reduce Total Residual Chlorine by dosing with 6.7 mg Na₂S₂O₃ per mg TRC. A 6.7 mg/ml Na₂S₂O₃ solution is used; dose mL = X mg/L * liters in sample container being treated.

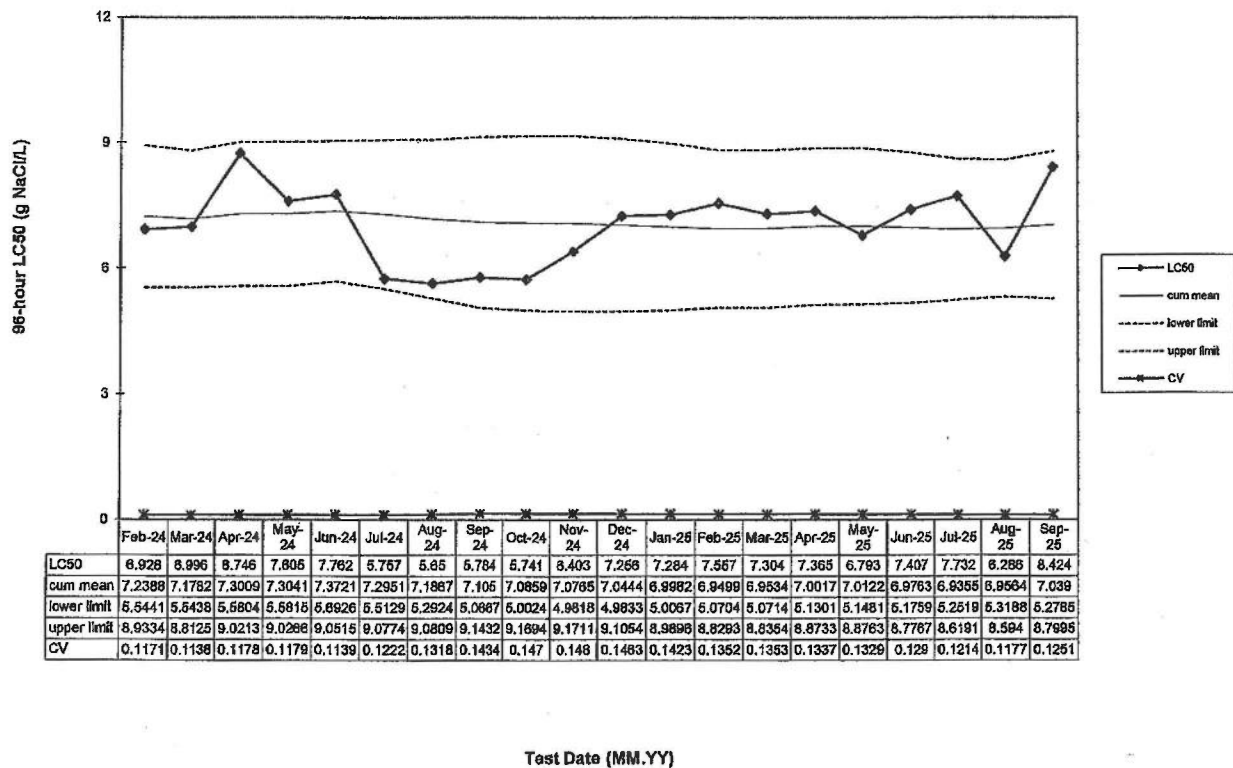
EnviroScience QC Chart - *Ceriodaphnia dubia*
Acute Toxicity endpoint - 25 C



Tests conducted at Stow, OH facility

EnviroScience QC/SRT Chart rev. 10/10/25

EnviroScience QC Chart - *Pimephales promelas*
Acute Toxicity Endpoint - 25 C



Tests conducted at Stow, OH facility

EnviroScience QC/SRT Chart rev. 08/15/25

The WET Sample Chain-of-Custody

SAMPLE COLLECTION			SAMPLE TYPE	SAMPLE LOCATION	SAMPLE Temp °C	ON-SITE SAMPLE STORAGE (0.1-6 °C)	PRINT NAME & SIGNATURE
DATE	TIME	PERSONNEL INITIALS					
10/6/2025	0600	CB	Grab	KWRP final eff.	22.2	☒ YES / ☐ NO	Sde Beaubien Sde Beaubien
10/6/2025	1200	DE	Grab	KWRP final eff.	23.0°	☒ YES / ☐ NO	Daniel Erickson Daniel Erickson
10/6/2025	1800	FD	Grab	KWRP final eff.	23.2°	☒ YES / ☐ NO	FLORIN BECA Florian Beca
10/7/2025	0000	MD	Grab	KWRP final eff.	23.0°	☒ YES / ☐ NO	Matthew Donnelly Matthew Donnelly
10/7/2025	0600	MD	Grab	KWRP final eff.	22.0°	☒ YES / ☐ NO	Matthew Donnelly Matthew Donnelly

Note: Sample container should be rinsed and should be filled completely leaving no air space between contents & lid. Preserve samples on ice or refrigerator (0.1-6°C) immediately after collection. Transport samples in ice-packed coolers to the WET Laboratory. The WET laboratory is located in Room LE-100, Lue-Hing R&D Complex.

Indicate if the final effluent was chlorinated/dechlorinated ☒ Yes / No / NA.

SAMPLES RELINQUISHED BY: Name Rory Collins

Signature: Rory Collins

Date/Time: 10/7/2025/0743

SAMPLES TRANSPORTED TO WET LAB. BY Name Jorge Abreu

Signature: Jorge Abreu

Date/Time: 10/7/25 - 0750

FOR WET LABORATORY USE ONLY:

Sample Received by: Name JK Signature JK Date/Time 10/7/25 0900

1. Samples received with prescribed holding time (within 4 h of collection)? (Not Applicable, if chronic test)
2. Samples logged in by JK Date 10/7/25 Time 0900
3. Each sample container labeled with a unique ID?
4. Were collection times for effluent and receiving water within 1 h of each other?
5. Did samples have sufficient volume for analysis?
6. Samples accepted

Special Observations

1. ☒ Yes / No / (NA)
2. ☒ Yes / No
3. ☒ Yes / No
4. Yes / No ☒ (NA)
5. ☒ Yes / No
6. ☒ Yes / No

LIMS #	Sample Type/ID	Temp °C	pH	Residual Chlorine (mg/L) Initials	Sodium-thio-sulfate Added YES/NO	Sample Custodian Signature
9854508-A	BMOUT KR A	1.8	7.42	0.0 MR	Indicate Total	<u>JK</u>
9854508-B	BMOUT KR B	1.5	7.49	Total Ammonia	0 ml of 5%	
9854508-C	BMOUT KR C	1.8	7.48	(mg-L) ALD Results	Sodium-thio-sulfate added. Initial	
9854508-D	BMOUT KR D	2.4	7.45		0 Final	
9854508-E	BMOUT KR E	4.4	7.41	< 0.300	Residual Cl ₂ reading = 0 mg/l	
					Initial <u>JK</u>	

Note: Set aside one cubitainer for metals and chemical analyses

Sample Release for Disposal

Sample released for disposal following analysis on (Date) 10/8/25 by JK

Samples Discarded by JK Date/Time 10/10/25 10:00

9908103
JK
10/7/25

Attachment 18
Metropolitan Water Reclamation District of Greater Chicago
OCAL CHAIN OF CUSTODY RECORD

From: Nick Kollias Office Location: Stickney

To: **ORGANIC COMPOUNDS ANALYTICAL LABORATORY, EGAN WRP**

COLLECTED			SAMPLE SOURCE/LOCATION	PARAMETER or CFR CATEGORY	LIMS ID	# of CONTAINERS				Lab Use Only	
DATE	TIME (Military)	BY FULL NAME (PRINT)				Vials	Gallons	Quarts	Pints	LAB ID	Temperature °C
10/7/25	9:58	Nick Kollias	BMOUT KR		9908103	3	1				
10/7/25	9:58	Nick Kollias	Trip Blanks			2					

Samples listed above were stored on site at 0.1–6.0°C immediately after collection and remained in custody of collector(s) until relinquished.

Container Type (specify vial, gallon, pint, or quart)	Case ID (copy from case label)
Gallons	25-054 G
Vials	25-036 ✓

Container Type (specify vial, gallon, pint, or quart)	Case ID (copy from case label)

ITEMS TRANSFERRED	RELINQUISHED BY			RECEIVED BY		
	FULL NAME or COOLER	DATE	TIME (Military)	FULL NAME or COOLER	DATE	TIME (Military)
Indicated above	Michael Pers	10/7/25	10:35	Cooler D	10/7/25	10:35
Indicated above	Cooler D					
Indicated above						
Indicated above						

\\hawk\MSR\170 FM&R Division\176 Acoustic Encl-4436.rtf

\\hawk\MAIL\120 FM&g Division\126 AntiAir Force\126 Rinkoistel\WET Tactica\2075\Kiri\AI 7 CFC

Metropolitan Water Reclamation District of Greater Chicago

Custody Transfer Record for Environmental Monitoring and Research Division Samples

(STFORMSR)

Year: 2025

From: Nick Kollias

Project Number/Support Request#: 4652-126-1, SR 06-25

Sample Type (grab/composite): Composite

Nick Kollias

Nick Kollias

For Lab Use Only

[illegible]

Thawing process of samples started immediately after collection (Y/ N)

Relinquished By	Date	Time	Received By	Date	Time
Des...	10/7/2025	10:34	Cooper D	10/7/25	10:34
Cooper D					

The undersigned hereby certifies that he/she has read and fully understands the M&R Departments-Environmental Monitoring and Research Division's "Ethical and Legal Responsibilities - Version 1, dated March 13, 2019"

ditional Comments:

Metropolitan Water Reclamation District of Greater Chicago
Custody Transfer Record for Environmental Monitoring and Research Division Samples
(STFORMSR)

Year: 2025

Collection Date: 10/7/2025
Collected By: Nick Kollias
Preparation Date: 10/7/2025

From: Nick Kollias
Project Number/Support Request#: 4652-126-1, SR 06-25
Sample Type (grab/composite): Composite

Prepared By: Nick Kollias

COC Prepared By: Nick Kollias

For Lab Use Only

[illegible]

Chilling process of samples started immediately after collection (Y/N)

7 R4

Relinquished By	Date	Time	Received By	Date	Time
Pers 	10/7/2025	10:34	Cooler D	10/7/25	10:34
Cooler D	10-8-25	0930	Christine Jones	10-8-25	10 0935
CT	10-8-25	1020		10.8.25	1031

The relinquisher has read and fully understands the M&R Departments-Environmental Monitoring and Research Division's "Ethical and Legal Responsibilities - Version 1, dated March 13, 2019"

Additional Comments:

**TABLE 8: WATER QUALITY RESULTS OF A JAMES C.KIRIE WATER RECLAMATION PLANT FINAL EFFLUENT COMPOSITE
SAMPLE COLLECTED OCTOBER 6 - 7, 2025, USED FOR WHOLE EFFLUENT TOXICITY TESTING**

Sampling point	Analysis	Units	Result
BMOUTKR	Ag	mg/L	<0.00400
BMOUTKR	As	mg/L	<0.00200
BMOUTKR	Ba	mg/L	0.01888
BMOUTKR	Be	mg/L	<0.00200
BMOUTKR	Cd	mg/L	<0.00200
BMOUTKR	Co	mg/L	<0.00200
BMOUTKR	Cr	mg/L	<0.00400
BMOUTKR	Cu	mg/L	0.00259
BMOUTKR	Fe	mg/L	0.05686
BMOUTKR	Mn	mg/L	0.02179
BMOUTKR	Mo	mg/L	0.00572
BMOUTKR	Ni	mg/L	0.01148
BMOUTKR	Pb	mg/L	<0.00200
BMOUTKR	Sb	mg/L	<0.00200
BMOUTKR	Se	mg/L	<0.00400
BMOUTKR	Zn	mg/L	0.04611
BMOUTKR	NH3_N	mg/L	<0.300
BMOUTKR	Al	mg/L	<1.00
BMOUTKR	Ca	mg/L	58.7
BMOUTKR	Hardness	mg/L	233
BMOUTKR	Mg	mg/L	20.98
BMOUTKR	CN	mg/L	<0.005
BMOUTKR	ALKALINITY	mg/L	151.9
BMOUTKR	Cl	mg/L	142.631
BMOUTKR	Final Hg	ug/L	<0.500
BMOUTKR	1,1,1-Trichloroethane	ug/L	<5.00
BMOUTKR	1,1,2,2-Tetrachloroethane	ug/L	<5.00
BMOUTKR	1,1,2-Trichloroethane	ug/L	<5.00
BMOUTKR	1,1-Dichloroethane	ug/L	<5.00
BMOUTKR	1,1-Dichloroethylene	ug/L	<5.00
BMOUTKR	1,2,4-Trichlorobenzene	ug/L	<5.00
BMOUTKR	1,2-Dichlorobenzene	ug/L	<5.00
BMOUTKR	1,2-Dichloroethane	ug/L	<5.00
BMOUTKR	1,2-Dichloropropane	ug/L	<5.00
BMOUTKR	1,2-Diphenylhydrazine	ug/L	<5.00
BMOUTKR	1,3-Dichlorobenzene	ug/L	<5.00
BMOUTKR	1,3-Dichloropropylene	ug/L	<5.00
BMOUTKR	1,4-Dichlorobenzene	ug/L	<5.00
BMOUTKR	2,4,6-Trichlorophenol	ug/L	<10.0
BMOUTKR	2,4-Dichlorophenol	ug/L	<5.00
BMOUTKR	2,4-Dimethylphenol	ug/L	<10.0
BMOUTKR	2,4-Dinitrophenol	ug/L	<40.0
BMOUTKR	2,4-Dinitrotoluene	ug/L	<10.0
BMOUTKR	2,6-Dinitrotoluene	ug/L	<5.00
BMOUTKR	2-Chloroethyl vinyl ether	ug/L	<5.00

**TABLE 8: WATER QUALITY RESULTS OF A JAMES C.KIRIE WATER RECLAMATION PLANT FINAL EFFLUENT COMPOSITE
SAMPLE COLLECTED OCTOBER 6 - 7, 2025, USED FOR WHOLE EFFLUENT TOXICITY TESTING**

Sampling point	Analysis	Units	Result
BMOUTKR	2-Chloronaphthalene	ug/L	<5.00
BMOUTKR	2-Chlorophenol	ug/L	<10.0
BMOUTKR	2-Nitrophenol	ug/L	<10.0
BMOUTKR	3,3'-Dichlorobenzidine	ug/L	<15.0
BMOUTKR	3,4-Benzofluoranthene	ug/L	<10.0
BMOUTKR	4,4'-DDD	ug/L	<0.05
BMOUTKR	4,4'-DDE	ug/L	<0.13
BMOUTKR	4,4'-DDT	ug/L	<0.05
BMOUTKR	4,6-Dinitro-o-cresol	ug/L	<25.0
BMOUTKR	4-Bromophenyl phenyl ether	ug/L	<5.00
BMOUTKR	4-Chlorophenyl phenyl ether	ug/L	<5.00
BMOUTKR	4-Nitrophenol	ug/L	<20.0
BMOUTKR	Acenaphthene	ug/L	<5.00
BMOUTKR	Acenaphthylene	ug/L	<5.00
BMOUTKR	Acrolein	ug/L	<50.0
BMOUTKR	Acrylonitrile	ug/L	<10.0
BMOUTKR	Aldrin	ug/L	<0.05
BMOUTKR	Anthracene	ug/L	<5.00
BMOUTKR	Benzene	ug/L	<2.00
BMOUTKR	Benzo(a)anthracene	ug/L	<5.00
BMOUTKR	Benzo(a)pyrene	ug/L	<10.0
BMOUTKR	Benzo(g,h,i)perylene	ug/L	<10.0
BMOUTKR	Benzo(k)fluoranthene	ug/L	<5.00
BMOUTKR	Bis(2-chloro-iso-propyl)ether	ug/L	<10.0
BMOUTKR	Bis(2-chloroethoxy)methane	ug/L	<10.0
BMOUTKR	Bis(2-chloroethyl)ether	ug/L	<10.0
BMOUTKR	Bis(2-ethylhexyl)phthalate	ug/L	<18.0
BMOUTKR	Bromoform	ug/L	<5.00
BMOUTKR	Butyl benzyl phthalate	ug/L	<10.0
BMOUTKR	Carbon tetrachloride	ug/L	<5.00
BMOUTKR	Chlorobenzene	ug/L	<5.00
BMOUTKR	Chlorodibromomethane	ug/L	<2.00
BMOUTKR	Chloroethane	ug/L	<5.00
BMOUTKR	Chloroform	ug/L	<2.00
BMOUTKR	Chrysene	ug/L	<5.00
BMOUTKR	Di-n-butyl phthalate	ug/L	<10.0
BMOUTKR	Di-n-octyl phthalate	ug/L	<15.0
BMOUTKR	Dibenzo(a,h)anthracene	ug/L	<15.0
BMOUTKR	Dichlorobromomethane	ug/L	<2.00
BMOUTKR	Dieldrin	ug/L	<0.05
BMOUTKR	Diethyl phthalate	ug/L	<10.0
BMOUTKR	Dimethyl phthalate	ug/L	<5.00
BMOUTKR	Endosulfan I	ug/L	<0.05
BMOUTKR	Endosulfan II	ug/L	<0.05
BMOUTKR	Endosulfan sulfate	ug/L	<0.05

**TABLE 8: WATER QUALITY RESULTS OF A JAMES C.KIRIE WATER RECLAMATION PLANT FINAL EFFLUENT COMPOSITE
SAMPLE COLLECTED OCTOBER 6 - 7, 2025, USED FOR WHOLE EFFLUENT TOXICITY TESTING**

Sampling point	Analysis	Units	Result
BMOUTKR	Endrin	ug/L	<0.05
BMOUTKR	Endrin aldehyde	ug/L	<0.05
BMOUTKR	Ethylbenzene	ug/L	<2.00
BMOUTKR	Fluoranthene	ug/L	<5.00
BMOUTKR	Fluorene	ug/L	<5.00
BMOUTKR	Heptachlor	ug/L	<0.07
BMOUTKR	Heptachlor epoxide	ug/L	<0.05
BMOUTKR	Hexachlorobenzene	ug/L	<5.00
BMOUTKR	Hexachlorobutadiene	ug/L	<5.00
BMOUTKR	Hexachlorocyclopentadiene	ug/L	<25.0
BMOUTKR	Hexachloroethane	ug/L	<10.0
BMOUTKR	Indeno(1,2,3-cd)pyrene	ug/L	<15.0
BMOUTKR	Isophorone	ug/L	<10.0
BMOUTKR	Methyl bromide	ug/L	<5.00
BMOUTKR	Methyl chloride	ug/L	<5.00
BMOUTKR	Methylene chloride	ug/L	<5.00
BMOUTKR	N-Nitrosodi-n-propylamine	ug/L	<10.0
BMOUTKR	N-Nitrosodimethylamine	ug/L	<5.00
BMOUTKR	N-Nitrosodiphenylamine	ug/L	<5.00
BMOUTKR	Naphthalene	ug/L	<5.00
BMOUTKR	Nitrobenzene	ug/L	<10.0
BMOUTKR	PCB-1016	ug/L	<0.80
BMOUTKR	PCB-1221	ug/L	<0.80
BMOUTKR	PCB-1232	ug/L	<0.80
BMOUTKR	PCB-1242	ug/L	<0.80
BMOUTKR	PCB-1248	ug/L	<0.80
BMOUTKR	PCB-1254	ug/L	<0.80
BMOUTKR	PCB-1260	ug/L	<1.16
BMOUTKR	Pentachlorophenol	ug/L	<30.0
BMOUTKR	Phenanthrene	ug/L	<5.00
BMOUTKR	Phenol	ug/L	<5.00
BMOUTKR	Pyrene	ug/L	<5.00
BMOUTKR	Technical chlordane	ug/L	<0.50
BMOUTKR	Tetrachloroethylene	ug/L	<5.00
BMOUTKR	Toluene	ug/L	<2.00
BMOUTKR	Toxaphene	ug/L	<1.00
BMOUTKR	Trichloroethylene	ug/L	<5.00
BMOUTKR	Trichlorofluoromethane	ug/L	<5.00
BMOUTKR	Vinyl chloride	ug/L	<5.00
BMOUTKR	alpha-BHC	ug/L	<0.05
BMOUTKR	beta-BHC	ug/L	<0.07
BMOUTKR	delta-BHC	ug/L	<0.05
BMOUTKR	gamma-BHC (lindane)	ug/L	<0.05
BMOUTKR	p-Chloro-m-cresol	ug/L	<5.00
BMOUTKR	trans-1,2-Dichloroethylene	ug/L	<5.00