Pixelle Responses to OEPA Questions from B. Atwood Inspection of July 8th, 2025

Observations:

 A roll-off dumpster near stormwater outfall 008 was found uncovered and overflowing with carboard and other debris.

The dumpster near Outfall 008 was emptied, and the overflowing debris has been removed. A water bath thermometer was not available inside the final effluent composite sampler.

A thermometer has been added to this location.

Noncompliance reports were not provided for two discharge limit exceedances. (pH = 7/6/25 pH & 7/11/25 DO)

OPEN

 Monitoring samples were not collected for final outfalls 003, 005, 007 and 009 in the year 2024. The data substitution code "AL" was entered in the eDMR submitted for the month of September 2024.

OPEN

Ohio EPA is unable to locate annual sludge reports for the years 2022, 2023 and 2024.
 These reports are a requirement of Part III Item I, in NPDES permit 0IA00002.

Copies of the 2022, 2023, and 2024 annual sludge reports filed with the OEPA are attached.

Follow up questions, comments, and request:

What address is used for the facility's physical address?

232 E. 8th Street Chillicothe, OH 45601

What address is used for the facility's mailing address?

232 E. 8th Street Chillicothe, OH 45601

Please complete Laboratory Form L (see attached)

Attached

Please provide all laboratory results (in-house and external) for the month of August 2024.

Please see the attached files in zipped file "Laboratory Data".

Please provide one in-house laboratory bench sheet for pH, TSS, CBOD and TDS.

OPEN

 Please provide a copy of the current site SWPPP including routine and quarterly visual inspection forms for the period of 7/1/24 – 6/1/25 –

Pixelle is currently confirming that the status of routine or quarterly inspections since 2021. The requirement for these inspections had been removed from a OEPA permit modification to the 2018 NPDES permit. However, those monitoring requirements were added back into the 2021 NPDES permit. Pixelle staff at the time had commented on the draft 2021 permit to have those requirements removed again, but OEPA did not approve that request. It is unknown why inspections were not subsequently completed, or whether there was a subsequent modification to the license to remove the requirements. Quarterly routine and visual inspections will be re-initiated in 3rd quarter 2025.

Please provide a copy of Pixelle's 2024 Annual Stormwater Report -

OPEN

- When was the BMP plan for spent pulping liquor, soap and turpentine last amended? It appears that the last signed copy of the BMP plan was dated December 18th, 2018. In addition, no annual BMP report has been submitted for RY 2024. We will prepare and submit that report by August 31st, 2024. Please note that pulping and the associated liquor recovery cycle have been permanently shut down, and will not be restarted under Pixelle ownership.
- During the inspection, several aerators were observed missing or out of service in the west and east lagoons. Does Pixelle intend to repair or replace any of the aerators not currently in service? Pixelle does not plan to repair or replace existing aerators not in service in the West Basin.
 - Aerators located in the West Basin will not be restarted. There are currently 11 aerators operating within that basin. Pixelle is planning on evaluating the conversion of that West Basin into a constructed wetlands treatment system. There is one aerator currently down in the East Basin, while not critical to ongoing operations, Pixelle is investigating the aerator to confirm its operational status. It is important to note that pulp and paper production at the facility have been shut down, and the areas are being cleaned. These processes will not be restarted by Pixelle.
- Final outfall 009 could not be located at the time of the inspection. Please specify the location of final outfall 009 on a map and provide a photo of the monitoring location.

The facility stormwater map is attached in the zipped file "Stormwater Outfall Locations", along with documents showing the more precise locations of Outfalls 003, 005, 007, and 009, along with actual photos of those locations. The location of Outfall 009 was verified in the field.

During the inspection I learned stormwater outfalls 003 and 007 discharge to Honey Creek.
 Monitoring samples for these outfalls are collected from catch basins located near E 8th St.
 Why are samples not collected closer to the final discharge point? Are than any additional stormwater contributions to these outfalls after the sample collection point?

From a review of the stormwater collection & conveyance system drawing "6V2000PU", contained in the zipped file "Stormwater Outfall Locations", it appears that all of the main stormwater sewers passing through the mill site either originate from outside of the mill site, or have contributing sections from outside the mill site. The sampling methodology of capturing water flowing into the outfall catch basins appears to be designed to evaluate stormwater flows directly from the mill site, while avoiding the impact of off-site sources. Outfall 003 appears to discharge to the "Honey Creek" stormwater system that originates in the city of Chillicothe, north of the mill site. Pixelle also monitors the Outfall 005, which also discharges into the same Honey Creek stormwater system. As it passes through the mill site, south of Outfall 005, the stormwater sewer map indicates areas of sheet flow into Honey Creek that are not monitored by any specific outfall. For Outfall 007, the same condition exists. This outfall discharges to a storm sewer originating on Hickory Street, north of the mill. Downstream of Outfall 007, there are no additional Pixelle sources, as the sewer is closed with no catch basins.

 Please provide a summary describing the events that led to TSS significant noncompliance.

A summary incident letter was submitted to OEPA on July 17th, 2025. A copy is attached.

 During the inspection, a stormwater outfall 008 was identified. What areas does outfall 008 collect stormwater from and where does it discharge?

Outfall 008 captures a small, paved area located near some shops and tote storage areas. Monitoring requirements for this area do not appear to be captured in either the current SWPPP or the current NPDES permit. Previous SWPPP versions will be reviewed to evaluate previous monitoring requirements. As with other Stormwater sewers in the mill, there is a segment of the sewer to which Outfall 008 discharges that originates outside of the mill to the east.

Why does the wood prep yard not have a stormwater outfall? Where does it go?

Per the current Stormwater SWPPP Section 3.7:

The Woodyard at the Chillicothe facility is where the wood-related raw materials are delivered, physically processed, and stored prior to their utilization in the papermaking process. The wood materials are transported into the Woodyard by truck. The hardwood and softwood logs are stockpiled, processed through various barking, slashing and chipping equipment, and the resulting wood chips are then conveyed to the digester by the chip conveyor. Residual material produced from the reduction of the logs to chips is also stockpiled and conveyed to the wood waste boiler as fuel by the wood waste conveyer. The Woodyard is a low-lying area bound by highway and rail embankments that are higher in elevation. There are four storm water drains located outside of Buildings 104 and 106. Two of the drains are caged to prevent congestion from wood waste. The storm water drains west to a green lift station at the corner of 11th and Hickory Streets. There, it is pumped to a higher elevation and sent to the WWTP.

The catch basins identified in the paragraph above are shown on the attached Woodyard Drainage pdf. Pixelle is going to field verify the continued operation of those process sewer catch basins.

In the southern portions of the woodyard, the elevation of the abutting highways and railroad embankments prevent stormwater runoff from the yard. Stormwater would infiltrate through the soils in these areas.

How was flow rate measured at monitoring station 600?

OPEN

 Please provide coordinates for the location in which upstream and downstream monitoring samples are collected.

Upstream location is located at 772 Bridge by Valero. Coordinates to be identified.

Downstream location is located at 104 Bridge. Coordinates to be identified.

 The data substation code "AB" was entered in Pixelle's September 2024 for several monitoring parameters. Please provide an explanation to why "AB" was entered?

OPEN

How were NPDES monitoring samples collected at monitoring station 600?

Note that the bleach plant operation has been permanently shut down and will not be restarted by Pixelle.

 How is the composite sampler serving final outfall 001 programmed to collect composite samples?

A Goulds pump is used to create a continuous flow of effluent past an ISCO refrigerated sampling unit. The ISCO is programmed to pull a 25-ml sample every 20 minutes from the fresh effluent stream. The ISCO sampler is located within a dedicated sample building that is cooled with an air-conditioning unit.

 How often is the temperature of the composite sampler checked? Is this information recorded? If so, how?

The Environmental Lab Technician checks it once a day. Records on the lab sheet and proficy.

 What is the purpose of the red funnel located where the two flumes merge at monitoring station 001?

The Environmental Lab Technician uses the funnel to help clean out the ISCO lines and holding tank. This funnel also allows operators to prime the sampling pump following shutdowns.

Jonathon, I am sorry that we were unable to meet in person. I hope everything is ok. During the inspection I had a list of questions pertaining to the WWTP. Your team thought it would be best for you to answer these questions. I prepared a list of my questions below. If you prefer to meet in person I am in Ross County weekly.

Wastewater Treatment Plant (WWTP) Questions:

• Were any new treatment processes added at the WWTP since Ohio EPA's last inspection in June of 2024?

No

 Have any bypasses occurred at the WWTP since Ohio EPA's last inspection in June of 2024?

No.

Is standby power available at the WWTP?

No. Standby power is not immediately available at the WWTP, but a hook up system is available for large temporary generators.

If standby power is available, to which components is standby power available for?

Temporary power can be used to run two lift pump stations and the sludge dewatering system. Temporary generators can also be used to operate, secondary clarifier rakes, RAS pumps and aerators.

 Which treatment components have an alarm system available for power or equipment failures?

Operators are currently present on 24/7 shifts. Loss of system communications also indicate system operating issues.

- Please describe all preventive maintenance activities routinely completed at WWTP.
 - A copy of the preventative maintenance list is attached.
- Does the treatment plant have an operation and maintenance manual? If so, what year was it developed and when was it last reviewed and or updated?

OPEN

Do WWTP operations change during high flow events?

OPEN

 Please provide a copy of the most recent calibration certifications for the effluent flow meters.

OPEN

Please list all treatment additives utilized at the WWTP.

OPEN



Order No.: 24080559

August 14, 2024

Zachary Richard
Pixelle Specialty Solutions
232 East Eighth Street
Chillicothe, OH 45601
TEL:

TEL:

FAX:

RE: 16.2 Final Effluent (08-Wk1)

Dear Zachary Richard:

Summit Environmental Technologies, Inc. received 1 sample(s) on 8/8/2024 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative.

Quality control data is within laboratory defined or method specified acceptance limits except where noted.

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

miles miles

Sincerely,

Jennifer Woolf

Project Manager

3310 Win St.

Cuyahoga Falls, Ohio 44223

Arkansas 88-0735, California 2943, Colorado, Connecticut PH-0108, Florida NELAC E87688, Idaho OH00923, Illinois 200061, Indiana C-OH-13, ISO/IEC 17025:2017 119125 L22-544, Kansas E-10347, Kentucky (Underground Storage Tank) 3, Kentucky 90146, Maryland 339, Michigan 9988, Minnesota 1780279, Nevada OH009232020-1, New Hampshire 2996, New Jersey OH006, New York 11777, North Carolina 39705 and 631, North Dakota R-201, Ohio DW, Ohio VAP CL0052, Oklahoma 2019-155, Oregon OH200001, Pennsylvania 68-01335, Rhode Island LA000317, South Carolina 92016001, Texas T104704466-19-16, Utah OH009232020-12, Virginia VELAP 10381, West Virginia 9957C

Case Narrative

WO#: **24080559**Date: **8/14/2024**

CLIENT: Pixelle Specialty Solutions **Project:** 16.2 Final Effluent (08-Wk1)

WorkOrder Narrative:

24080559: This report in its entirety consists of the following documents: Cover Letter, Case Narrative, Analytical Results, QC Summary Report, Applicable Accreditation Information, Chain-of-Custody, Cooler Receipt Form, and other applicable forms as necessary. All documents contain the Summit Environmental Technologies, Inc., Work Order Number assigned to this report.

Summit Environmental Technologies, Inc., holds the accreditations/certifications listed at the bottom of the cover letter that may or may not pertain to this report. Please refer to the "Accreditation Program Analytes Report" for accredited analytes list.

The information contained in this analytical report is the sole property of Summit Environmental Technologies, Inc. and that of the customer. It cannot be reproduced in any form without the consent of Summit Environmental Technologies, Inc. or the customer for which this report was issued. The results contained in this report are only representative of the samples received. Conditions can vary at different times and at different sampling conditions. Summit Environmental Technologies, Inc. is not responsible for use or interpretation of the data included herein.

All results for Solid Samples are reported on an "as received" or "wet weight" basis unless indicated as "dry weight" using the "-dry" designation on the reporting units.

This report is believed to meet all of the requirements of the accrediting agency, where applicable. Any comments or problems with the analytical events associated with this report are noted below.

Summit Environmental Technologies, In

3310 Win S

Cuyahoga Falls, Ohio 4422 TEL: (330) 253-8211 FAX: (330) 253-44&

Website: http://www.settek.co

Qualifiers and Acronyms

WO#: **24080559**

Date: 8/14/2024

These commonly used Qualifiers and Acronyms may or may not be present in this report.

Qualifiers

TT	The compound was analyzed for but was not detected	alana Alan MINI
	The compound was analyzed for bill was not defected	above the MILL

- J The reported value is greater than the Method Detection Limit but less than the Reporting Limit.
- H The hold time for sample preparation and/or analysis was exceeded. Not Clean Water Act compliant.
- D The result is reported from a dilution.
- E The result exceeded the linear range of the calibration or is estimated due to interference.
- MC The result is below the Minimum Compound Limit.
- * The result exceeds the Regulatory Limit or Maximum Contamination Limit.
- m Manual integration was used to determine the area response.
- d Manual integration in which peak was deleted
- N The result is presumptive based on a Mass Spectral library search assuming a 1:1 response.
- P The second column confirmation exceeded 25% difference.
- C The result has been confirmed by GC/MS.
- X The result was not confirmed when GC/MS Analysis was performed.
- B The analyte was detected in the Method Blank at a concentration greater than the RL.

 MB+ The analyte was detected in the Method Blank at a concentration greater than the MDL.
- G The ICB or CCB contained reportable amounts of analyte.
- **QC-/+** The CCV recovery failed low (-) or high (+).
- **R/QDR** The RPD was outside of accepted recovery limits.
- **QL-/+** The LCS or LCSD recovery failed low (-) or high (+).
- QLR The LCS/LCSD RPD was outside of accepted recovery limits.
- QM-/+ The MS or MSD recovery failed low (-) or high (+).
- QMR The MS/MSD RPD was outside of accepted recovery limits.
- QV-/+ The ICV recovery failed low (-) or high (+).
- S The spike result was outside of accepted recovery limits.
- W Samples were received outside temperature limits ($0^{\circ} 6^{\circ}$ C). Not Clean Water Act compliant.
- Z Deviation; A deviation from the method was performed; Please refer to the Case Narrative for
 - additional information

Acronyms

ND	Not Detected	RL	Reporting Limit
QC	Quality Control	MDL	Method Detection Limit
MB	Method Blank	LOD	Level of Detection
LCS	Laboratory Control Sample	LOQ	Level of Quantitation
LCSD	Laboratory Control Sample Duplicate	PQL	Practical Quantitation Limit
QCS	Quality Control Sample	CRQL	Contract Required Quantitation Limit
DUP	Duplicate	PL	Permit Limit
MS	Matrix Spike	RegLvl	Regulatory Limit
MSD	Matrix Spike Duplicate	MCL	Maximum Contamination Limit
RPD	Relative Percent Different	MinCL	Minimum Compound Limit
ICV	Initial Calibration Verification	RA	Reanalysis
ICB	Initial Calibration Blank	RE	Reextraction
CCV	Continuing Calibration Verification	TIC	Tentatively Identified Compound
CCB	Continuing Calibration Blank	RT	Retention Time
RLC	Reporting Limit Check	CF	Calibration Factor

This list of Qualifiers and Acronyms reflects the most commonly utilized Qualifiers and Acronyms for reporting. Please refer to the Analytical Notes in the Case Narrative for any Qualifiers or Acronyms that do not appear in this list or for additional information regarding the use of these Qualifiers on reported data.



Website: http://www.settek.com

Workorder Sample Summary

WO#: 24080559

14-Aug-24

CLIENT: Pixelle Specialty Solutions

Project: 16.2 Final Effluent (08-Wk1)

Lab SampleIDClient Sample IDTag NoDate CollectedDate ReceivedMatrix24080559-001001 Final Effluent Paint Creek8/6/2024 5:00:00 AM8/8/2024 1:28:00 AMNon-Potable Water



Website: http://www.settek.com

(con

Collection Date: 8/6/2024 5:00:00 AM

Analytical Report (consolidated)

WO#: 24080559
Date Reported: 8/14/2024

CLIENT: Pixelle Specialty Solutions

Project: 16.2 Final Effluent (08-Wk1)

Lab ID: 24080559-001 Matrix: NON-POTABLE WATER

Client Sample ID: 001 Final Effluent Paint Creek

Analyses	Result	lt RL Qual Units		DF	Date Analyzed
AMMONIA BY EPA 350.1			E350).1	Analyst: BJT
Nitrogen, Ammonia	ND	0.500	mg/L	1	8/12/2024 1:00:00 PM

Qualifiers: H Holding times for preparation or analysis exceeded

ND Not Detected

RL Reporting Detection Limit

M Manual Integration used to determine area response

PL Permit Limit

W Sample container temperature is out of limit as specified at testcode



QC SUMMARY REPORT

WO#: 24080559

14-Aug-24

Client:	Pixelle Specialty Solutions

Project: 16.2 Final Effluent (08-Wk1)

Project:	16.2 Final Effluent (08-WKI)	Batenid:	K191150
-	100 100 100 100 100 100 100 100 100 100		

Sample ID: MB-R191156	SampType: MBLK	TestCode: AMMONIA_N Units: mg/L	Prep Date:	RunNo: 191156
Client ID: PBW	Batch ID: R191156	TestNo: E350.1	Analysis Date: 8/12/2024	SegNo: 5180061

Analyte Res	sult PQL	SPK value SPK Ref Val	%REC LowLimit High	hLimit RPD Ref Val	%RPD RPDLimit Qu	Jal
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Nitrogen, Ammonia	ND	0.500

Sample ID: RLC-0.2 Client ID: BatchQC	SampType: RLC Batch ID: R191156		de: AMMONIA No: E350.1	A_N Units: mg/L	Prep Date: Analysis Date: 8/12/2024		RunNo: 191156 SeqNo: 5180062				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia	ND	0.500	0.2000	0	83.5	70	130		1 1 5	V - A T - B	

Sample ID: RLC-0.5	SampType: RLC	TestCo	de: AMMONIA	_N Units: mg/L		Prep Da	te:		RunNo: 19 1	1156	
Client ID: BatchQC	Batch ID: R191156	Testi	No: E350.1			Analysis Da	te: 8/12/2 0	24	SeqNo: 518	80064	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia	ND	0.500	0.5000	0	82.0	70	130			, - + - 1	

Sample ID: LCS-R191156	SampType: LCS	TestCo	TestCode: AMMONIA_N Units: mg/L		Prep Date:				RunNo: 191156		
Client ID: LCSW	Batch ID: R191156	Test	No: E350.1		Analysis Date: 8/12/2024			SeqNo: 5180065			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia	9.77	0.500	10.00	0	97.7	90	110				

Qualifiers: H Holding times for preparation or analysis exceeded M Manual Integration used to determine area response ND Not Detected

PL Permit Limit W Sample container temperature is out of limit as spec



QC SUMMARY REPORT

WO#: 24080559

14-Aug-24

Client: Pixelle Specialty Solutions

Project: 16.2 Final Effluent (08-Wk1)

BatchID: R191156

Sample ID: LCS-R191156 SampType: LCS TestCode: AMMONIA_N Units: mg/L Prep Date: RunNo: 191156

Client ID: LCSW Batch ID: R191156 TestNo: E350.1 Analysis Date: 8/12/2024 SeqNo: 5180065

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Sample ID: FILTERED LCS	SampType: LCS	TestCo	de: AMMONIA	A_N Units: mg/L		Prep Da	te:		RunNo: 191	1156	
Client ID: LCSW	Batch ID: R191156	Testi	No: E350.1		Analysis Date: 8/12/2024			SeqNo: 5180066			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia	9.98	0.500	10.00	0	99.8	90	110				

Sample ID: FILTERED BLANK	SampType: MBLK	TestCode: AMMONIA_N Units: mg/L	Prep Date:	RunNo: 191156
Client ID: PBW	Batch ID: R191156	TestNo: E350.1	Analysis Date: 8/12/2024	SeqNo: 5180067
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual

Nitrogen, Ammonia ND 0.500

Sample ID: 24080541-001ADUP	SampType: DUP	TestCo	de: AMMONIA	_N Units: mg/L		Prep Da	te:		RunNo: 191	1156	
Client ID: BatchQC	Batch ID: R191156	Test	No: E350.1			Analysis Da	te: 8/12/2 0	24	SeqNo: 518	30069	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia	ND	0.500	90.77					0	0	20	2-9-5

Qualifiers: H Holding times for preparation or analysis exceeded

Permit Limit RL Reporting Detection I

M Manual Integration used to determine area response RL Reporting Detection Limit

ND Not Detected

W Sample container temperature is out of limit as spec



QC SUMMARY REPORT

Sample container temperature is out of limit as spea

WO#: 24080559

14-Aug-24

Client: Pixelle	Specialty Solutions
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Permit Limit

Project: 16.2 Final E	ffluent (08-Wk1)		BatchID: R191	1156		
Sample ID: 24080541-003AMS Client ID: BatchQC	SampType: MS Batch ID: R191156	TestCode: AMMONIA_N Units: TestNo: E350.1		RunNo: 191156 SeqNo: 5180072		
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual		
Nitrogen, Ammonia	10.0	0.500 10.00 0	100 90 110			
Sample ID: 24080541-003AMSD	SampType: MSD	TestCode: AMMONIA_N Units:	Prep Date: R	RunNo: 191156		
Client ID: BatchQC	Batch ID: R191156	TestNo: E350.1	Analysis Date: 8/12/2024 S	SeqNo: 5180073		
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual		
Nitrogen, Ammonia	10.0	0.500 10.00 0	100 90 110 10.02	0.140 20		
Sample ID: 24080661-001AMS	SampType: MS	TestCode: AMMONIA_N Units:	Prep Date: R	RunNo: 191156		
Client ID: BatchQC	Batch ID: R191156	TestNo: E350.1	Analysis Date: 8/12/2024 S	SeqNo: 5180088		
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual		
Nitrogen, Ammonia	10.1	0.500 10.00 0.1000	99.6 90 110			
Sample ID: 24080661-001AMSD	SampType: MSD	TestCode: AMMONIA_N Units:	Prep Date: R	RunNo: 191156		
Client ID: BatchQC	Batch ID: R191156	TestNo: E350.1	Analysis Date: 8/12/2024 S	SeqNo: 5180090		
		DOL ORK I ORK D 41/1	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual		
Analyte	Result	PQL SPK value SPK Ref Val	JUNEO LOWEITHE THISHEITHE THE PROFESSION	MRPD RPDLIIIIL Quai		



Website: http://www.settek.com

QC SUMMARY REPORT

WO#: 24080559

14-Aug-24

Client: Pixelle Specialty Solutions

Project: 16.2 Final Effluent (08-Wk1)

BatchID: R191156

Sample ID: 24080661-001AMSD SampType: MSD TestCode: AMMONIA_N Units: Prep Date: RunNo: 191156

Client ID: BatchQC Batch ID: R191156 TestNo: E350.1 Analysis Date: 8/12/2024 SeqNo: 5180090

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

3310 Win Street Cuyahoga Falls, Ohio 44223 800-278-0140

Analysis Request / Chain of Custody

Refer to Terms and Conditions at www.settek.com

Effective Date: 10/01/2019

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An	alytical	Paran	neters:	and M	ethods	Reque	sted	
NH3								For DW Only: Special Compliance or Routine (S/R)
~								
Notes / Comme Weekly s	amplir							
Sufficient volum			QC?	YES 🖊	NO	Cooler?	YES	□NO
Received Temp			ontainer					

Client Name Pixelle S Client Stree	Specialty Solution	ons	Project Identification 16.2 Final Effluent Project Street Address	(08-Wk1)				= Air,	ate; 5)			Anal	ytical	Paran	ieters :	and Mo	ethods	Reque	sted	-
232 E. 8		e Zip	232 E. 8th St Chillicothe Ohio 4					, A	Zinc Acet											tine
Client Phon 740-993			Report To Zachary E. Richard					Liquid, O = Oil Drinking Water	HCl; 4) ify in e											or Rou
	E. Richard		ро # 4500035913	Quote Number	r			L = Liq	04; 3) I	mple										liance
	richard@pixelle		PWS ID	Facility ID				Sludge, ater, DW	8) othe	per Sa										Comp
Print: Brya	(Print Name and Provident Diffon		Reporting/Accreditation Rec Ohio VAP Drinking Water Compli Other Compliance (List	Ohio EP		Grab Sample	Composite Sample	S = Solid, SL = Non-Potable W	Preservation: 1) HNO3; 2) H2SO4; 3) HCl; 4) Zinc Acetate; NaOH; 6) EDA; 7) none; 8) other (specify in comments)	Number of Containers per Sample										For DW Only: Special Compliance or Routine (S/R)
#	Sample Point ID	Sample	e Identification	Date Collected	Time Collected	Grab S	Compo	Matrix: NPW = I	Preserv NaOH;	Numbe	NH3									For DV (S/R)
	001	Final Efflu	ent Paint Creek	8/6/24	0500	/	V	NPW	2	1	V									
Relinquist	ged by:	Date	Time	Receiv	ed by:		ate		Time			Comments kly sar		, a						
		8-4	0600	Many	als	8/	7/24	05	30			1		•						
/len	my atte	8/7/24	0128	/								(6+					/			
Received	t Summit by:	Date	Time	Car	rior							nt volume	provide		QC?		NO	Cooler?	YES	NO
Into	- 4		2024 0 1 2 8		-1	Rust	h Reques	of eliby 1	Day	y(s) ager	y	d Temp.:	,c			/ _	NO [MELTI	E D	



Cooler No

Temp ^oC

4.6

Condition

Good

Seal Intact

Not Present

Summit Environmental Technologies, Inc. 3310 Win St. Cuyahoga Falls, Ohio 44223

TEL: (330) 253-8211 FAX: (330) 253-4489 Website: http://www.settek.com

Sample Log-In Check List

Clie	nt Name:	PIX-OH-45601	Work Order Number:	24080	559		RcptNo: 1
Log	ged by:	Anthony W. Britton	8/8/2024 1:28:00 AM			anthony	Butter Butter Spr Malecol
Cor	npleted By:	Anthony W. Britton	8/8/2024 1:57:03 PM			anthony.	Butter
Rev	riewed By:	Jennifer Woolf	8/8/2024 2:26:16 PM			Jamy	ps muluses
Cha	in of Cus	stody					
1.	Is Chain of	Custody complete?		Yes	✓	No 🗌	Not Present
2.	How was th	ne sample delivered?		Sum	<u>mit</u>		
Log	ı İn						
	Coolers are	e present?		Yes	•	No \square	NA \square
4.	Shipping co	ontainer/cooler in good con	dition?	Yes	✓	No 🗌	
	Custody se	eals intact on shipping conta	ainer/cooler?	Yes		No 🗌	Not Present ✓
	No.	Seal Da	ite:	Signe	ed By:		
5.	Was an att	empt made to cool the san	iples?	Yes	✓	No 🗌	NA \square
6.	Were all sa	amples received at a tempe	erature of >0° C to 6.0°C	Yes	•	No 🗌	NA \square
7.	Sample(s)	in proper container(s)?		Yes	✓	No 🗌	
8.		sample volume for indicated	i test(s)?	Yes	✓	No 🗌	
9.	Are sample	es (except VOA and ONG)	properly preserved?	Yes	•	No 🗌	
10.	Was prese	rvative added to bottles?		Yes		No 🗸	NA \square
11.	Is the head	space in the VOA vials les	s than 1/4 inch or 6 mm?	Yes		No 🗌	No VOA Vials ✓
12.	Were any s	sample containers received	broken?	Yes		No 🗸	
13.		rwork match bottle labels? repancies on chain of custo	dy)	Yes	✓	No 🗌	
14.	Are matrice	es correctly identified on Ch	nain of Custody?	Yes	•	No 🗌	
15.	Is it clear w	vhat analyses were request	ed?	Yes	✓	No 🗌	
16.		olding times able to be met		Yes	✓	No 🗌	
Spe	cial Hand	dling (if applicable)					
		notified of all discrepancies	s with this order?	Yes		No 🗌	NA 🗸
	Perso	on Notified:	Date:				-, 1
	By W	hom:	Via:	eMa	il 🔲 F	Phone Fax	In Person
	Regar			78077	-		
	48.675	Instructions:					

Seal Date

Signed By

Seal No



Order No.: 24081101

August 20, 2024

Zachary Richard **Pixelle Specialty Solutions** 232 East Eighth Street Chillicothe, OH 45601 TEL:

FAX:

16.2 Final Effluent (08-Wk2) RE:

Dear Zachary Richard:

Summit Environmental Technologies, Inc. received 1 sample(s) on 8/15/2024 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative.

Quality control data is within laboratory defined or method specified acceptance limits except where noted.

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

mites melical

Sincerely,

Jennifer Woolf

Project Manager

3310 Win St.

Cuyahoga Falls, Ohio 44223

Arkansas 88-0735, California 2943, Colorado, Connecticut PH-0108, Florida NELAC E87688, Idaho OH00923, Illinois 200061, Indiana C-OH-13, ISO/IEC 17025:2017 119125 L22-544, Kansas E-10347, Kentucky (Underground Storage Tank) 3, Kentucky 90146, Maryland 339, Michigan 9988, Minnesota 1780279, Nevada OH009232020-1, New Hampshire 2996, New Jersey OH006, New York 11777, North Carolina 39705 and 631, North Dakota R-201, Ohio DW, Ohio VAP CL0052, Oklahoma 2019-155, Oregon OH200001, Pennsylvania 68-01335, Rhode Island LA000317, South Carolina 92016001, Texas T104704466-19-16, Utah OH009232020-12, Virginia VELAP 10381, West Virginia 9957C

Case Narrative

WO#: 24081101 Date: 8/20/2024

CLIENT: Pixelle Specialty Solutions **Project:** 16.2 Final Effluent (08-Wk2)

WorkOrder Narrative:

24081101: This report in its entirety consists of the following documents: Cover Letter, Case Narrative, Analytical Results, QC Summary Report, Applicable Accreditation Information, Chain-of-Custody, Cooler Receipt Form, and other applicable forms as necessary. All documents contain the Summit Environmental Technologies, Inc., Work Order Number assigned to this report.

Summit Environmental Technologies, Inc., holds the accreditations/certifications listed at the bottom of the cover letter that may or may not pertain to this report. Please refer to the "Accreditation Program Analytes Report" for accredited analytes list.

The information contained in this analytical report is the sole property of Summit Environmental Technologies, Inc. and that of the customer. It cannot be reproduced in any form without the consent of Summit Environmental Technologies, Inc. or the customer for which this report was issued. The results contained in this report are only representative of the samples received. Conditions can vary at different times and at different sampling conditions. Summit Environmental Technologies, Inc. is not responsible for use or interpretation of the data included herein.

All results for Solid Samples are reported on an "as received" or "wet weight" basis unless indicated as "dry weight" using the "-dry" designation on the reporting units.

This report is believed to meet all of the requirements of the accrediting agency, where applicable. Any comments or problems with the analytical events associated with this report are noted below.

Summit Environmental Technologies, In

3310 Win 5

Cuyahoga Falls, Ohio 4422 TEL: (330) 253-8211 FAX: (330) 253-44c

Website: http://www.settek.co

Qualifiers and Acronyms

WO#: **24081101**

Date: 8/20/2024

These commonly used Qualifiers and Acronyms may or may not be present in this report.

Qualifiers

TI	The compound was analyzed for but was not detected abo	rea the MINI
U	The compound was analyzed for but was not detected abo	ve me mid.

- J The reported value is greater than the Method Detection Limit but less than the Reporting Limit.
- H The hold time for sample preparation and/or analysis was exceeded. Not Clean Water Act compliant.
- D The result is reported from a dilution.
- E The result exceeded the linear range of the calibration or is estimated due to interference.
- MC The result is below the Minimum Compound Limit.
- * The result exceeds the Regulatory Limit or Maximum Contamination Limit.
- m Manual integration was used to determine the area response.
- d Manual integration in which peak was deleted
- N The result is presumptive based on a Mass Spectral library search assuming a 1:1 response.
- P The second column confirmation exceeded 25% difference.
- C The result has been confirmed by GC/MS.
- X The result was not confirmed when GC/MS Analysis was performed.
- B The analyte was detected in the Method Blank at a concentration greater than the RL.

 MB+ The analyte was detected in the Method Blank at a concentration greater than the MDL.
- G The ICB or CCB contained reportable amounts of analyte.
- QC-/+ The CCV recovery failed low (-) or high (+).
- R/QDR The RPD was outside of accepted recovery limits.
- QL-/+ The LCS or LCSD recovery failed low (-) or high (+).
- **QLR** The LCS/LCSD RPD was outside of accepted recovery limits.
- QM-/+ The MS or MSD recovery failed low (-) or high (+).
- QMR The MS/MSD RPD was outside of accepted recovery limits.
- QV-/+ The ICV recovery failed low (-) or high (+).
- S The spike result was outside of accepted recovery limits.
- W Samples were received outside temperature limits (0° 6° C). Not Clean Water Act compliant.
- Z Deviation; A deviation from the method was performed; Please refer to the Case Narrative for
 - additional information

Acronyms

ND	Not Detected	RL	Reporting Limit
QC	Quality Control	MDL	Method Detection Limit
MB	Method Blank	LOD	Level of Detection
LCS	Laboratory Control Sample	LOQ	Level of Quantitation
LCSD	Laboratory Control Sample Duplicate	PQL	Practical Quantitation Limit
QCS	Quality Control Sample	CRQL	Contract Required Quantitation Limit
DUP	Duplicate	PL	Permit Limit
MS	Matrix Spike	RegLvl	Regulatory Limit
MSD	Matrix Spike Duplicate	MCL	Maximum Contamination Limit
RPD	Relative Percent Different	MinCL	Minimum Compound Limit
ICV	Initial Calibration Verification	RA	Reanalysis
ICB	Initial Calibration Blank	RE	Reextraction
CCV	Continuing Calibration Verification	TIC	Tentatively Identified Compound
CCB	Continuing Calibration Blank	RT	Retention Time
RLC	Reporting Limit Check	CF	Calibration Factor

This list of Qualifiers and Acronyms reflects the most commonly utilized Qualifiers and Acronyms for reporting. Please refer to the Analytical Notes in the Case Narrative for any Qualifiers or Acronyms that do not appear in this list or for additional information regarding the use of these Qualifiers on reported data.



Workorder Sample Summary

WO#:

24081101

20-Aug-24

CLIENT: Pixelle Specialty Solutions **Project:** 16.2 Final Effluent (08-Wk2)

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
24081101-001	001 Final Effluent Paint Creek		8/13/2024	8/15/2024 1:30:00 AM	Non-Potable Water
24081101-001	001 Final Effluent Paint Creek		8/13/2024	8/15/2024 1:30:00 AM	Non-Potable Water
24081101-001	001 Final Effluent Paint Creek		8/13/2024	8/15/2024 1:30:00 AM	Non-Potable Water



Summit Environmental Technologies, Inc. 3310 Win St. Cuyahoga Falls, Ohio 44223

TEL: (330) 253-8211 FAX: (330) 253-4485 Website: http://www.settek.com **Analytical Report**

(consolidated)

WO#: 24081101 Date Reported: 8/20/2024

CLIENT: Pixelle Specialty Solutions Collection Date: 8/13/2024

Project: 16.2 Final Effluent (08-Wk2)

Lab ID: 24081101-001 Matrix: NON-POTABLE WATER

Client Sample ID: 001 Final Effluent Paint Creek

Analyses	Result	RL Q	ual Units		DF 1	Date Analyzed
MERCURY (EPA 245.1)				E245.1	E245.	1 Analyst: OK
Mercury	ND	0.000200	mg/L		1	8/20/2024 8:59:00 AM
METALS (EPA 200.7)				E200.7	E200.7	7 Analyst: RJE
Barium(Ba)	0.248	0.0100	mg/L		1	8/19/2024 4:18:00 PM
Cadmium(Cd)	ND	0.00200	mg/L		1	8/19/2024 4:18:00 PM
Copper(Cu)	ND	0.00600	mg/L		1	8/19/2024 4:18:00 PM
Phosphorus(P)	ND	0.250	mg/L		1	8/19/2024 4:18:00 PM
Selenium(Se)	ND	0.00800	mg/L		1	8/19/2024 4:18:00 PM
Zinc(Zn)	0.118	0.0100	mg/L		1	8/19/2024 4:18:00 PM
ABSORBABLE ORGANIC HALIDE	ES (EPA 1650)			E1650		Analyst: KMS
Adsorbable Organic Halides	1.64	0.500	mg/L		5	8/19/2024 8:00:00 AM
AMMONIA BY EPA 350.1				E350.1		Analyst: BJT
Nitrogen, Ammonia	ND	0.500	mg/L		1	8/16/2024 12:00:00 PM

Qualifiers: E Value above quantitation range

M Manual Integration used to determine area response

PL Permit Limit

W Sample container temperature is out of limit as specified at testcode

H Holding times for preparation or analysis exceeded

ND Not Detected



Website: http://www.settek.com

QC SUMMARY REPORT

WO#:

24081101

20-Aug-24

Client: Pixelle Specialty Solutions

Project: 16.2 Final Effluent (08-Wk2)

BatchID: 77800

Sample ID: MB-77800	SampType: MBLK	TestCo	TestCode: MtI-ICP_NPW Units: mg/L			Prep Da	te: 8/15/2 0	RunNo: 191494			
Client ID: PBW	Batch ID: 77800	Test	No: E200.7	E200.7		Analysis Da	te: 8/16/2 0	24	SeqNo: 519	80008	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium(Ba)	ND	0.0100		0	0		0.011				QC+
Cadmium(Cd)	ND	0.00200		0	0		0.0022				
Copper(Cu)	ND	0.00600		0	0		0.022				
Phosphorus(P)	ND	0.250		0	0		0.11				
Selenium(Se)	ND	0.00800		0	0		0.044				
Zinc(Zn)	ND	0.0100		0	0		0.022				

Sample ID: LCS-77800	OO SampType: LCS TestCode: Mtl-ICP_NPW Units: mg/L Prep D		Prep Dat	ate: 8/15/2024		RunNo: 191494					
Client ID: LCSW	Batch ID: 77800	Test	No: E200.7	E200.7		Analysis Da	te: 8/16/20	24	SeqNo: 51 !	90009	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium(Ba)	0.225	0.0100	0.2000	0	112	85	115				QC+
Cadmium(Cd)	0.0406	0.00200	0.04000	0	102	85	115				
Copper(Cu)	0.126	0.00600	0.1200	0	105	85	115				
Phosphorus(P)	5.17	0.250	5.000	0	103	85	115				
Selenium(Se)	0.209	0.00800	0.2000	0	104	85	115				
Zinc(Zn)	0.202	0.0100	0.2000	0	101	85	115				

Qualifiers:

Value above quantitation range

ID Not Detected

S Spike Recovery outside accepted recovery limits

H Holding times for preparation or analysis exceeded

L Permit Limit

W Sample container temperature is out of limit as specified at testcode

M Manual Integration used to determine area response



Summit Environmental Technologies, Inc. 3310 Win St. Cuyahoga Falls, Ohio 44223

TEL: (330) 253-8211 FAX: (330) 253-4489 Website: http://www.settek.com

QC SUMMARY REPORT

WO#:

24081101

20-Aug-24

Client: Pixelle Specialty Solutions

Project: 16.2 Final Effluent (08-Wk2)

BatchID: 77800

Sample ID: LCSD-77800 Client ID: LCSS02	SampType: LCSD Batch ID: 77800		de: MtI-ICP_N No: E200.7	IPW Units: mg/L E200.7		Prep Da Analysis Da	te: 8/15/20 te: 8/16/20		RunNo: 19 ⁴ SeqNo: 519		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium(Ba)	0.222	0.0100	0.2000	0	111	85	115	0.2249	1.21	20	QC+
Cadmium(Cd)	0.0404	0.00200	0.04000	0	101	85	115	0.04060	0.494	20	
Copper(Cu)	0.124	0.00600	0.1200	0	104	85	115	0.1265	1.75	20	
Phosphorus(P)	4.95	0.250	5.000	0	99.0	85	115	5.173	4.37	20	
Selenium(Se)	0.202	0.00800	0.2000	0	101	85	115	0.2088	3.36	20	
Zinc(Zn)	0.199	0.0100	0.2000	0	99.3	85	115	0.2015	1.45	20	

Qualifiers:

Value above quantitation range

ND Not Detected

S Spike Recovery outside accepted recovery limits

H Holding times for preparation or analysis exceeded

L Permit Limit

W Sample container temperature is out of limit as specified at testcode

M Manual Integration used to determine area response



QC SUMMARY REPORT

WO#:

%RPD RPDLimit

24081101 20-Aug-24

Pixelle Specialty Solutions Client:

16.2 Final Effluent (08-Wk2) Project:

BatchID: 77875

Sample ID: MB-77875 SampType: MBLK TestCode: HG NPW(245 Units: mg/L Prep Date: 8/19/2024 RunNo: 191671

Client ID: PBW Batch ID: 77875 TestNo: E245.1 E245.1 Analysis Date: 8/20/2024 SeqNo: 5192613

%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Analyte Result PQL SPK value SPK Ref Val Qual

0.000200 Mercury ND

Sample ID: LCS-77875	SampType: LCS	TestCode: HG_NPW(2	245 Units: mg/L	Prep Date:	8/19/2024	RunNo: 191671	
Client ID: LCSW	Batch ID: 77875	TestNo: E245.1	E245.1	Analysis Date:	8/20/2024	SeqNo: 5192614	

SPK value SPK Ref Val LowLimit HighLimit RPD Ref Val Analyte Result %REC 85 Mercury 0.00400 0.000200 0.00400 0 100 115

PQL

Sample ID:	24081211-001AMS	SampType: MS	TestCod	de: HG_NPW(245 Units: mg/L		Prep Date:	8/19/20	24	RunNo: 191	1671	
Client ID:	BatchQC	Batch ID: 77875	TestN	lo: E245.1	E245.1		Analysis Date:	8/20/20	24	SeqNo: 519	92618	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit H	ighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

70 Mercury 0.00416 0.000200 0.00400 0 104 130

Sample ID: 24081211-001AMSD	SampType: MSD	TestCo	de: HG_NPW (245 Units: mg/L		Prep Dat	te: 8/19/2 0	24	RunNo: 191	1671	
Client ID: BatchQC	Batch ID: 77875	Test	No: E245.1	E245.1		Analysis Da	te: 8/20/2 0	24	SeqNo: 519	2619	1 0
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00415	0.000200	0.00400	0	104	70	130	0.00416	0.241	30	

Qualifiers: Value above quantitation range

Not Detected

Spike Recovery outside accepted recovery limits

Holding times for preparation or analysis exceeded

Permit Limit

Sample container temperature is out of limit as specified at testcode

Manual Integration used to determine area response

Reporting Detection Limit

Qual



Website: http://www.settek.com

QC SUMMARY REPORT

77875

WO#:

24081101

20-Aug-24

Client: Pixelle Specialty Solutions

Project: 16.2 Final Effluent (08-Wk2)

BatchID:

Sample ID: 24081211-001AMSD SampType: MSD TestCode: HG NPW(245 Units: mg/L Prep Date: 8/19/2024 RunNo: 191671

Client ID: BatchQC Batch ID: 77875 TestNo: E245.1 E245.1 Analysis Date: 8/20/2024 SeqNo: 5192619

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

PL Permit Limit

W Sample container temperature is out of limit as specified at testcode

RL Reporting Detection Limit



Website: http://www.settek.com

QC SUMMARY REPORT

R191507

WO#:

%RPD RPDLimit

24081101

20-Aug-24

Client: Pixelle Specialty Solutions

Sample ID: RLC-0.5

Project: 16.2 Final Effluent (08-Wk2)

SampType: RLC TestCode: Ammonia T- Units: mg/L Prep Date: RunNo: 191507

Client ID: BatchQC Batch ID: R191507 TestNo: E350.1 Analysis Date: 8/16/2024 SegNo: 5188977

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Nitrogen, Ammonia 0.589 0.200 0.5000 0 118 70 130

0.200

 Sample ID: LCS-R191507
 SampType: LCS
 TestCode: Ammonia_T Units: mg/L
 Prep Date:
 RunNo: 191507

 Client ID: LCSW
 Batch ID: R191507
 TestNo: E350.1
 Analysis Date: 8/16/2024
 SeqNo: 5188978

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val

Nitrogen, Ammonia 10.7 0.200 10.00 0 107 90 110

Sample ID: FILTERED LCS SampType: LCS TestCode: Ammonia T- Units: mg/L Prep Date: RunNo: 191507 Client ID: LCSW Batch ID: R191507 TestNo: E350.1 Analysis Date: 8/16/2024 SeqNo: 5188979 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

0

108

Qualifiers:

Nitrogen, Ammonia

Value above quantitation range

ND Not Detected

S Spike Recovery outside accepted recovery limits

10.8

Holding times for preparation or analysis exceeded

L Permit Limit

10.00

W Sample container temperature is out of limit as specified at testcode

M Manual Integration used to determine area response

RL Reporting Detection Limit

90

110

BatchID:

Qual



QC SUMMARY REPORT

R191507

WO#:

24081101 20-Aug-24

Client:	Pixelle Specialty Solutions

Project: 16.2 Final Effluent (08-Wk2)

Sample ID: MR-R191507	SampType: MRI K	TestCode: AMMONIA N. Units: mall	Prep Date:	RunNo: 191507

Client ID: PBW	Batch ID: R191507	TestNo: E350.1	Analysis Date: 8/16/2024	SeqNo: 5188974

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD F	RPDLimit Qual
---	---------------

Nitrogen, Ammonia	ND	0.500

Sample ID: FILTERED BLANK	SampType: MBLK	TestCode	: AMMONIA	_N Units: mg/L		Prep Date	:	RunNo: 19	1507	
Client ID: PBW	Batch ID: R191507	TestNo	o: E350.1			Analysis Date	8/16/2024	SeqNo: 51	88975	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit I	HighLimit RPD Ref Val	%RPD	RPDLimit	Qual

ND	0.500
	ND

Sample ID: 24080978-001ADUP	SampType: DUP	TestCo	TestCode: AMMONIA_N Units: mg/L			Prep Date:			RunNo: 191		
Client ID: BatchQC	Batch ID: R191507	Test	No: E350.1		Analysis Date: 8/16/2024			SeqNo: 5189089			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia	ND	0.500						0	0	20	

Sample ID: 24081026-001AMS Client ID: BatchQC	SampType: MS Batch ID: R191507		de: AMMONIA No: E350.1	_N Units:		Prep Da Analysis Da		24	RunNo: 19 ⁴ SeqNo: 518		10
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia	12.8	0.500	10.00	2.321	105	90	110				

Qualifiers: E Value above quantitation range

BatchID:

ND Not Detected

S Spike Recovery outside accepted recovery limits

Holding times for preparation or analysis exceeded

PL Permit Limit

W Sample container temperature is out of limit as specified at testcode

M Manual Integration used to determine area response

RL Reporting Detection Limit



Website: http://www.settek.com

QC SUMMARY REPORT

R191507

WO#: 24081101

20-Aug-24

Client: Pixelle Specialty Solutions

Project: 16.2 Final Effluent (08-Wk2)

Sample ID: 24081026-001AMS SampType: MS TestCode: AMMONIA_N Units: Prep Date: RunNo: 191507

Client ID: BatchQC Batch ID: R191507 TestNo: E350.1 Analysis Date: 8/16/2024 SeqNo: 5189094

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Sample ID: 24081026-001AMSD	SampType: MSD	TestCod	de: AMMONI A	N Units:		Prep Da	te:		RunNo: 191	1507	
Client ID: BatchQC	Batch ID: R191507	TestN	lo: E350.1		Analysis Date: 8/16/2024			SeqNo: 5189095			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia	12.7	0.500	10.00	2.321	104	90	110	12.83	1.14	20	

Sample ID: 24081099-001AMS Client ID: BatchQC	SampType: MS Batch ID: R191507		TestCode: AMMONIA_N Units: TestNo: E350.1			Prep Date: Analysis Date: 8/16/2024			RunNo: 19 ⁴ SeqNo: 518		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia	10.5	0.500	10.00	0.1630	104	90	110				

Sample ID: 24081099-001AMSD	SampType: MSD	TestCod	de: AMMONIA	_N Units:		Prep Dat	te:		RunNo: 191	1507	
Client ID: BatchQC	Batch ID: R191507	TestN	No: E350.1		Analysis Date: 8/16/2024			SeqNo: 5189101			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia	10.4	0.500	10.00	0.1630	102	90	110	10.53	1.63	20	

Qualifiers: E Value above quantitation range

ND Not Detected

S Spike Recovery outside accepted recovery limits

Holding times for preparation or analysis exceeded

PL Permit Limit

W Sample container temperature is out of limit as specified at testcode

M Manual Integration used to determine area response

RL Reporting Detection Limit

BatchID:



QC SUMMARY REPORT

R191546

BatchID:

WO#: 24081101

20-Aug-24

Client:	Pixelle Specialty Solutions

Project: 16.2 Final Effluent (08-Wk2)

Sample ID: MB-R191546	SampType: MBLK	TestCode: AOX_NPW(16 Units: mg/L	Prep Date:	RunNo: 191546

Client ID: F	PBW	Batch ID: R191546	TestNo: E1650	Analysis Date:	8/19/2024	SeqNo: 5189827

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
---------	--------	-----	-----------	-------------	------	----------	-----------	-------------	------	-----------------	------

es ND 0.100
es ND

Sample ID: LCS-R191546	SampType: LCS	TestCo	TestCode: AOX_NPW(16 Units: mg/L			Prep Date:			RunNo: 19 1		
Client ID: LCSW	Batch ID: R191546	Testi	No: E1650			Analysis Da	te: 8/19/2 0	24	SeqNo: 518	39828	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Adsorbable Organic Halides	0.319	0.100	0.3300	0	96.7	80	120				

Sample ID: 24081056-001AMS	SampType: MS	TestCo	TestCode: AOX_NPW(16 Units: mg/L TestNo: E1650			Prep Date:			RunNo: 19		
Client ID: BatchQC	Batch ID: R191546	Testi			Analysis Date: 8/19/2024)24	SeqNo: 518		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Adsorbable Organic Halides	6.12	0.500	5.000	1.726	87.8	78	116				

Sample ID: 24081056-001AMSD	SampType: MSD	TestCo	de: AOX_NPV	V(16 Units: mg/L		Prep Da	te:		RunNo: 19 1	1546	
Client ID: BatchQC	Batch ID: R191546	Test	No: E1650			Analysis Da	te: 8/19/2 0	24	SeqNo: 518	39833	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Adsorbable Organic Halides	6.46	0.500	5.000	1.726	94.7	78	116	6.117	5.50	20	

Qualifiers: E Value above quantitation range

ND Not Detected

S Spike Recovery outside accepted recovery limits

Holding times for preparation or analysis exceeded

PL Permit Limit

W Sample container temperature is out of limit as specified at testcode

M Manual Integration used to determine area response



Website: http://www.settek.com

QC SUMMARY REPORT

R191546

WO#: 24081101

20-Aug-24

Client: Pixelle Specialty	Solutions
---------------------------	-----------

Project: 16.2 Final Effluent (08-Wk2)

Sample ID: 24081056-001AMSD SampType: MSD TestCode: AOX NPW(16 Units: mg/L Prep Date: RunNo: 191546

Client ID: BatchQC Batch ID: R191546 TestNo: E1650 Analysis Date: 8/19/2024 SeqNo: 5189833

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Sample ID: MB-R191546	SampType: MBLK	TestCode: AOX	NPW(16 Units: mg/L		Prep Date:	RunNo: 191546
Client ID: PBW	Batch ID: R191546	TestNo: E165	0		Analysis Date: 8/19/2024	SeqNo: 5190354
Analyte	Result	PQL SPK v	alue SPK Ref Val	%REC	LowLimit HighLimit RPD F	Ref Val %RPD RPDLimit Qua
		0.400				

Adsorbable Organic Halides ND 0.100

Sample ID: 24080999-001AMS	SampType: MS	TestCo	de: AOX_NPV	V(16 Units: mg/L		Prep Da	te:		RunNo: 191	1546	
Client ID: BatchQC	Batch ID: R191546	Test	No: E1650			Analysis Da	te: 8/19/2 0	24	SeqNo: 51 9)0356	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Adsorbable Organic Halides	5.76	0.500	5.000	1.253	90.2	78	116		0 0		

Sample ID: 24080999-001AMSD	SampType: MSD	TestCod	de: AOX_NPV	V(16 Units: mg/L		Prep Dat	te:		RunNo: 191	1546	
Client ID: BatchQC	Batch ID: R191546	TestN	No: E1650			Analysis Da	te: 8/19/2 0	24	SeqNo: 519	00357	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Adsorbable Organic Halides	6.00	0.500	5.000	1.253	94.9	78	116	5.763	3.98	20	

Qualifiers: E Value above quantitation range

ND Not Detected

S Spike Recovery outside accepted recovery limits

Holding times for preparation or analysis exceeded

PL Permit Limit

W Sample container temperature is out of limit as specified at testcode

M Manual Integration used to determine area response

RL Reporting Detection Limit

BatchID:



Website: http://www.settek.com

QC SUMMARY REPORT

WO#:

24081101 20-Aug-24

Client: Pixelle Specialty Solutions

Project: 16.2 Final Effluent (08-Wk2)

BatchID: R191546

Sample ID: MB-R191546 SampType: MBLK TestCode: AOX NPW(16 Units: mg/L Prep Date: RunNo: 191546

Client ID: PBW Batch ID: R191546 TestNo: E1650 Analysis Date: 8/19/2024 SeqNo: 5190367

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Adsorbable Organic Halides ND 0.100

S Spike Recovery outside accepted recovery limits

PL Permit Limit

W Sample container temperature is out of limit as specified at testcode

RL Reporting Detection Limit

DC-QACOC338 Rev. 4.3



Analysis Request / Chain of Custody

For Summit Environmental Technologies, Inc. use only Refer to Terms and Conditions at www.settek.com wo Cuyahoga Falls, Ohlo 44223 800-278-0140 Client Name Project Identification Pixelle Specialty Solutions 16.2 Final Effluent (08-Wk2) **Analytical Parameters and Methods Requested** Matrix: S = Solid, SL = Sludge, L = Liquid, O = Oil, A = Air, NPW = Non-Potable Water, DW = Drinking Water Preservation: I) HNO3: 2) H2SO4; 3) HCl; 4) Zinc Acetate; NaOH; 6) EDA; 7) none; 8) other (specify in comments) Project Street Address Client Street Address 232 E. 8th St 232 E. 8th St Chillicothe Ohio 45601 Chillicothe Ohio 45601 Routine 护 City Zip City Zip Client Phone Report To 740-993-8855 Zachary E. Richard ٦ 10 (total halogens) For DW Only: Special Compliance (S/R) Contact Person Quote Number Cu, 4500035913 Zachary E. Richard Client Email Address PWS ID Facility ID Sq Number of Containers per zachary.richard@pixelle.com Sampled By (Print Name and Provide Signature) Reporting/Accreditation Requirements: Zn, Prince Bryent Dillon ☐ Ohio VAP Ohio EPA Pb, Cu Composite Sample Drinking Water Compliance For DW only, resulfs to be reported to state by lab? If yes, lab fee may apply: Y N Other Compliance (List State/ Program): Ba, Grab Sample AOX, NH3 Se, Date Time Sample Point ID Sample Identification Collected Collected 2 NPW 001 Final Effluent Paint Creek 8/13/24 2 **NPW** 001 Final Effluent Paint Creek 8/13/24 001 NPW 1 Final Effluent Paint Creek 8/13/24 Notes / Comments: Relinquished by: Received by: Date Time Weekly sampling. Sufficient volume provided to run QC? YES NO Other Container: Received Temp.: Received at Summit by: Date Time Carrier Rush Requested: Day(s) Must be approved by Lab Manager Ice Present? YES NO MELTED



Summit Environmental Technologies, Inc. Cuyahoga Falls, Ohio 44223

TEL: (330) 253-8211 FAX: (330) 253-4485 Website: http://www.settek.com

Sample Log-In Check List

Client Name	: PIX-OH-45601	Work Order Number:	24081101	RcptNo: 1				
Logged by:	Christina N. Gemma	8/15/2024 1:30:00 AM		C. Ceu	ma			
Completed E	By: Christina N. Gemma	8/15/2024 2:30:10 PM		C. Ceu	Ma Ma pr muleas			
Reviewed By	y: Jennifer Woolf	8/16/2024 5:23:09 PM		James	ps muluses			
Chain of C	Custody							
1. Is Chair	n of Custody complete?		Yes 🗸	No 🗆	Not Present			
2. How wa	s the sample delivered?		<u>Summit</u>					
Log In								
	are present?		Yes 🗸	No 🗆	NA \square			
4. Shippin	g container/cooler in good cond	lition?	Yes 🗸	No 🗌				
Custody	seals intact on shipping conta	iner/cooler?	Yes	No 🗆	Not Present ✓			
No.	Seal Da	te:	Signed By:					
5. Was an	attempt made to cool the sam	ples?	Yes 🗸	No 🗌	NA \square			
6. Were a	Il samples received at a temper	rature of >0° C to 6.0°C	Yes 🗸	No 🗌	NA \square			
7. Sample	(s) in proper container(s)?		Yes 🗸	No 🗌				
8. Sufficie	nt sample volume for indicated	test(s)?	Yes 🗸	No 🗌				
9. Are san	nples (except VOA and ONG) p	roperly preserved?	Yes 🗸	No \square				
10. Was pro	eservative added to bottles?		Yes	No 🗸	NA \square			
11. Is the h	eadspace in the VOA vials less	than 1/4 inch or 6 mm?	Yes	No 🗌	No VOA Vials			
12. Were a	ny sample containers received	broken?	Yes	No 🗸				
	aperwork match bottle labels? iscrepancies on chain of custoo	ly)	Yes 🗸	No 🗌				
14. Are mat	trices correctly identified on Ch	ain of Custody?	Yes 🗸	No 🗌				
15. Is it clea	ar what analyses were requeste	d?	Yes 🗸	No 🗌				
	II holding times able to be met? otify customer for authorization		Yes 🗸	No 🗌				
Special Ha	andling (if applicable)							
17. Was cli	ent notified of all discrepancies	with this order?	Yes	No 🗌	NA 🔽			
Pe	erson Notified:	Date:						
Ву	Whom:	Via:	eMail F	Phone Fax	☐ In Person			
Re	egarding:							
	ient Instructions:							
18. Addition								
Cooler Inforn	II ALI UII							

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.4	Good	Not Present			



Order No.: 24081617

August 26, 2024

Zachary Richard **Pixelle Specialty Solutions** 232 East Eighth Street Chillicothe, OH 45601 TEL:

FAX:

16.2 Final Effluent (08-Wk3) RE:

Dear Zachary Richard:

Summit Environmental Technologies, Inc. received 1 sample(s) on 8/22/2024 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative.

Quality control data is within laboratory defined or method specified acceptance limits except where noted.

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

miles melical

Sincerely,

Jennifer Woolf

Project Manager

3310 Win St.

Cuyahoga Falls, Ohio 44223

Arkansas 88-0735, California 2943, Colorado, Connecticut PH-0108, Florida NELAC E87688, Idaho OH00923, Illinois 200061, Indiana C-OH-13, ISO/IEC 17025:2017 119125 L22-544, Kansas E-10347, Kentucky (Underground Storage Tank) 3, Kentucky 90146, Maryland 339, Michigan 9988, Minnesota 1780279, Nevada OH009232020-1, New Hampshire 2996, New Jersey OH006, New York 11777, North Carolina 39705 and 631, North Dakota R-201, Ohio DW, Ohio VAP CL0052, Oklahoma 2019-155, Oregon OH200001, Pennsylvania 68-01335, Rhode Island LA000317, South Carolina 92016001, Texas T104704466-19-16, Utah OH009232020-12, Virginia VELAP 10381, West Virginia 9957C

Website: http://www.settek.com

Case Narrative

WO#: **24081617**Date: **8/26/2024**

CLIENT: Pixelle Specialty Solutions **Project:** 16.2 Final Effluent (08-Wk3)

WorkOrder Narrative:

24081617: This report in its entirety consists of the following documents: Cover Letter, Case Narrative, Analytical Results, QC Summary Report, Applicable Accreditation Information, Chain-of-Custody, Cooler Receipt Form, and other applicable forms as necessary. All documents contain the Summit Environmental Technologies, Inc., Work Order Number assigned to this report.

Summit Environmental Technologies, Inc., holds the accreditations/certifications listed at the bottom of the cover letter that may or may not pertain to this report. Please refer to the "Accreditation Program Analytes Report" for accredited analytes list.

The information contained in this analytical report is the sole property of Summit Environmental Technologies, Inc. and that of the customer. It cannot be reproduced in any form without the consent of Summit Environmental Technologies, Inc. or the customer for which this report was issued. The results contained in this report are only representative of the samples received. Conditions can vary at different times and at different sampling conditions. Summit Environmental Technologies, Inc. is not responsible for use or interpretation of the data included herein.

All results for Solid Samples are reported on an "as received" or "wet weight" basis unless indicated as "dry weight" using the "-dry" designation on the reporting units.

This report is believed to meet all of the requirements of the accrediting agency, where applicable. Any comments or problems with the analytical events associated with this report are noted below.

Summit Environmental Technologies, In

3310 Win 5

Cuyahoga Falls, Ohio 4422 TEL: (330) 253-8211 FAX: (330) 253-44c

Website: http://www.settek.co

Qualifiers and Acronyms

WO#: **24081617**

Date: 8/26/2024

These commonly used Qualifiers and Acronyms may or may not be present in this report.

Qualifiers

444		
II	The compound was analyzed for but was not detected above the N	AIDI .
U	The compound was analyzed for but was not detected above the in	IDL.

- J The reported value is greater than the Method Detection Limit but less than the Reporting Limit.
- H The hold time for sample preparation and/or analysis was exceeded. Not Clean Water Act compliant.
- D The result is reported from a dilution.
- E The result exceeded the linear range of the calibration or is estimated due to interference.
- MC The result is below the Minimum Compound Limit.
- * The result exceeds the Regulatory Limit or Maximum Contamination Limit.
- m Manual integration was used to determine the area response.
- d Manual integration in which peak was deleted
- N The result is presumptive based on a Mass Spectral library search assuming a 1:1 response.
- P The second column confirmation exceeded 25% difference.
- C The result has been confirmed by GC/MS.
- X The result was not confirmed when GC/MS Analysis was performed.
- B The analyte was detected in the Method Blank at a concentration greater than the RL.

 MB+ The analyte was detected in the Method Blank at a concentration greater than the MDL.
- G The ICB or CCB contained reportable amounts of analyte.
- QC-/+ The CCV recovery failed low (-) or high (+).
- R/QDR The RPD was outside of accepted recovery limits.
- QL-/+ The LCS or LCSD recovery failed low (-) or high (+).
- **QLR** The LCS/LCSD RPD was outside of accepted recovery limits.
- QM-/+ The MS or MSD recovery failed low (-) or high (+).
- QMR The MS/MSD RPD was outside of accepted recovery limits.
- QV-/+ The ICV recovery failed low (-) or high (+).
- S The spike result was outside of accepted recovery limits.
- W Samples were received outside temperature limits (0° 6° C). Not Clean Water Act compliant.
- Z Deviation; A deviation from the method was performed; Please refer to the Case Narrative for
 - additional information

Acronyms

ND	Not Detected	RL	Reporting Limit
QC	Quality Control	MDL	Method Detection Limit
MB	Method Blank	LOD	Level of Detection
LCS	Laboratory Control Sample	LOQ	Level of Quantitation
LCSD	Laboratory Control Sample Duplicate	PQL	Practical Quantitation Limit
QCS	Quality Control Sample	CRQL	Contract Required Quantitation Limit
DUP	Duplicate	PL	Permit Limit
MS	Matrix Spike	RegLvl	Regulatory Limit
MSD	Matrix Spike Duplicate	MCL	Maximum Contamination Limit
RPD	Relative Percent Different	MinCL	Minimum Compound Limit
ICV	Initial Calibration Verification	RA	Reanalysis
ICB	Initial Calibration Blank	RE	Reextraction
CCV	Continuing Calibration Verification	TIC	Tentatively Identified Compound
CCB	Continuing Calibration Blank	RT	Retention Time
RLC	Reporting Limit Check	CF	Calibration Factor

This list of Qualifiers and Acronyms reflects the most commonly utilized Qualifiers and Acronyms for reporting. Please refer to the Analytical Notes in the Case Narrative for any Qualifiers or Acronyms that do not appear in this list or for additional information regarding the use of these Qualifiers on reported data.



Summit Environmental Technologies, Inc. 3310 Win St. Cuyahoga Falls, Ohio 44223 TEL: (330) 253-8211 FAX: (330) 253-4485 Website: http://www.settek.com Workorder Sample Summary

WO#: 24081617

26-Aug-24

CLIENT: Pixelle Specialty Solutions **Project:** 16.2 Final Effluent (08-Wk3)

Lab SampleIDClient Sample IDTag NoDate CollectedDate ReceivedMatrix24081617-001001 Final Effluent Paint Creek8/20/2024 5:00:00 AM8/22/2024 1:00:00 AMNon-Potable Water



Summit Environmental Technologies, Inc. 3310 Win St. Cuyahoga Falls, Ohio 44223

TEL: (330) 253-8211 FAX: (330) 253-4485 Website: http://www.settek.com **Analytical Report**

(consolidated)

WO#: **24081617**

Date Reported: 8/26/2024

Collection Date: 8/20/2024 5:00:00 AM

CLIENT: Pixelle Specialty Solutions

Project: 16.2 Final Effluent (08-Wk3)

Lab ID: 24081617-001 Matrix: NON-POTABLE WATER

Client Sample ID: 001 Final Effluent Paint Creek

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
AMMONIA BY EPA 350.1			E350).1	Analyst: BJT
Nitrogen, Ammonia	ND	0.500	mg/L	1	8/23/2024 11:00:00 AM

Qualifiers: H Holding times for preparation or analysis exceeded

ND Not Detected

RL Reporting Detection Limit

M Manual Integration used to determine area response

PL Permit Limit

W Sample container temperature is out of limit as specified at testcode



Website: http://www.settek.com

QC SUMMARY REPORT

WO#: 24081617

26-Aug-24

Client:	Pixelle Specialty Solutions

Project: 16.2 Final E	ffluent (08-Wk3)			BatchID: R191923							
Sample ID: 24081530-001AMS Client ID: BatchQC	SampType: MS Batch ID: R191923	TestCode: AMMO	NIA_N Units:		Prep Date		024	RunNo: 19'		7	
Analyte	Result	PQL SPK valu	ue SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Nitrogen, Ammonia	10.6	0.500 10.0	0.1910	104	90	110					
Sample ID: 24081530-001AMSD	SampType: MSD	TestCode: AMMO		Prep Date	9 :	RunNo: 191923					
Client ID: BatchQC	Batch ID: R191923	TestNo: E350.1			Analysis Date	e: 8/23/2 0	24	SeqNo: 520	00260		
Analyte	Result	PQL SPK valu	ue SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Nitrogen, Ammonia	10.6	0.500 10.0	0.1910	104	90	110	10.58	0.415	20		
Sample ID: 24081530-003AMS	SampType: MS	TestCode: AMMO	NIA_N Units:		Prep Date	e :		RunNo: 19	1923		
Client ID: BatchQC	Batch ID: R191923	TestNo: E350.1			Analysis Date	e: 8/23/2 0	24	SeqNo: 52 (00263		
Analyte	Result	PQL SPK valu	ue SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Nitrogen, Ammonia	10.8	0.500 10.0	0.1800	106	90	110					
Sample ID: 24081530-003AMSD	SampType: MSD	TestCode: AMMO	NIA_N Units:		Prep Date	ə:		RunNo: 19	1923		
Client ID: BatchQC	Batch ID: R191923	TestNo: E350.1			Analysis Date	e: 8/23/2 0	24	SeqNo: 520	00264		
Analyte	Result	PQL SPK valu	ue SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Nitrogen, Ammonia		0.500 10.0	0.1800	106	90	110	10.76	0.353	20		

Qualifiers:

Holding times for preparation or analysis exceeded

Permit Limit

Sample container temperature is out of limit as specified at testcode

Manual Integration used to determine area response

Reporting Detection Limit

Not Detected

Spike Recovery outside accepted recovery limits



Website: http://www.settek.com

QC SUMMARY REPORT

WO#: 24081617

26-Aug-24

Client: Pixelle Specialty Solutions

Project: 16.2 Final Effluent (08-Wk3)

BatchID: R191923

Sample ID: 24081530-003AMSD SampType: MSD TestCode: AMMONIA_N Units: Prep Date: RunNo: 191923

Client ID: BatchQC Batch ID: R191923 TestNo: E350.1 Analysis Date: 8/23/2024 SeqNo: 5200264

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

PL Permit Limit

W Sample container temperature is out of limit as specified at testcode

S Spike Recovery outside accepted recovery limits



Summit Environmental Technologies, Inc. 3310 Win St. Cuvahoga Falls, Ohio 44223 TEL: (330) 253-8211 FAX: (330) 253-4489 Website: http://www.settek.com

QC SUMMARY REPORT

WO#:

24081617 26-Aug-24

Client: Pixelle Specialty Solutions

Project: 16.2 Final Effluent (08-Wk3)

BatchID: R191923 Sample ID: MB SampType: MBLK TestCode: AMMONIA D Units: mg/L Prep Date: RunNo: 191923

Client ID: PBW Batch ID: R191923 TestNo: E350.1 Analysis Date: 8/23/2024 SegNo: 5200163

LowLimit HighLimit RPD Ref Val %RPD RPDLimit Analyte Result POL SPK value SPK Ref Val Qual

ND 0.500 Nitrogen, Ammonia

Sample ID: RLC-0.2 Prep Date: SampType: RLC TestCode: AMMONIA D Units: ma/L RunNo: 191923 Client ID: BatchQC Batch ID: R191923 Analysis Date: 8/23/2024 SegNo: 5200164 TestNo: E350.1 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual 70 S Nitrogen, Ammonia ND 0.500 0.2000 0 139 130

Sample ID: RLC-0.5 SampType: RLC Prep Date: RunNo: 191923 TestCode: AMMONIA D Units: mg/L

Client ID: BatchQC Batch ID: R191923 TestNo: E350.1 Analysis Date: 8/23/2024 SeqNo: 5200165

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual 70 Nitrogen, Ammonia 0.590 0.500 0.5000 n 118 130

Sample ID: LCS SampType: LCS TestCode: AMMONIA D Units: mg/L Prep Date: RunNo: 191923 Client ID: LCSW Analysis Date: 8/23/2024

PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual Analyte Result

Nitrogen, Ammonia 10.6 0.500 10.00 0 106 90 110

TestNo: E350.1

Holding times for preparation or analysis exceeded **Qualifiers:**

Permit Limit

Sample container temperature is out of limit as specified at testcode

Batch ID: R191923

Manual Integration used to determine area response

Reporting Detection Limit

Not Detected

Spike Recovery outside accepted recovery limits

SeqNo: 5200166



Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

QC SUMMARY REPORT

WO#: 24081617

26-Aug-24

Client: Pixelle Specialty Solutions

Project: 16.2 Final Effluent (08-Wk3)

BatchID: R191923

Sample ID: LCS SampType: LCS TestCode: AMMONIA_D Units: mg/L Prep Date: RunNo: 191923

Client ID: LCSW Batch ID: R191923 TestNo: E350.1 Analysis Date: 8/23/2024 SeqNo: 5200166

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Prep Date: Sample ID: 24081642-001ADUP SampType: DUP TestCode: AMMONIA D Units: mg/L RunNo: 191923 Client ID: BatchQC Batch ID: R191923 TestNo: E350.1 Analysis Date: 8/23/2024 SeqNo: 5200168 Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD **RPDLimit** Qual Analyte Nitrogen, Ammonia 1.62 0.500 1.617 0.124 20

Qualifiers:

H Holding times for preparation or analysis exceeded PL Permit Limit

W Sample container temperature is out of limit as specified at testcode

M Manual Integration used to determine area response

RL Reporting Detection Limit

ND Not Detected

S Spike Recovery outside accepted recovery limits



Analysis Request / Chain of Custody

Page I of I

For Summit Environmental Technologies, Inc. use only

	Cuyahoga Falls, 6 800-278-0140	Ohio 44223		Refer	to Terms an	d Condi	tions at v	www.sette	k.com			WO NO.:	2	4081617						
	Specialty Solution	ns	Project Identification 16.2 Final Effluent	(08-Wk3)				Air,	te; 5)			Ana	lytica	l Parar	neters	and M	ethods	s Reque	sted	
Client Stre et 232 E. St	Address h St		Project Street Address 232 E. 8th St					= V	Acetate; ents)					T	T		1	т		Γ
Chillico t h City	e Ohio 45601 State	: Zip	Chillicothe Ohio 4					O = Oil,	Zinc /											ıtine
Client Phomie 740-99 3		-	Report To Zachary E. Richard	<u> </u>				id, o	ICI; 4											r Rg
Contact Pe rs			PO# 4500035913	Quote Number	r			c = Liqu = Drinl	74; 3) F	mple										ance o
Client Email		e.com	PWS ID	Facility ID				Sludge, I ater, DW	H2SC 8) other	per Sample										ompli
Sampled By Print: Bry Sign:	(Print Name and Provident Dillon)	e Signature)	Reporting/Accreditation Red Dobio VAP Drinking Water Compil	Ohio EP			ımple	1(≶	1) HNO3; 2) H2SO4; 3) HCl; 4) Zinc Acel 1; 7) none; 8) other (specify in comments)	Number of Containers										For DW Only: Special Compliance or Routine (S/R)
For DWorkly lab fee may a	, results to be reported apply: Y N	to state by lab? If yes,	Other Compliance (List	State/ Program)		Grab Sample	Composite Sample	Matrix: S = Solid, SI NPW = Non-Potable	Preservation: 1) F NaOH; 6) EDA; 7	er of C	ا س									√ Only
#	Sample Point ID	Sample	e Identification	Date Collected	Time Collected	Grab	Сошр	Matrix NPW =	Preser NaOH:	Numb	NH3									For D' (S/R)
	001	Final Efflu	ent Paint Creek	8/20/24	0500		~	NPW	2	1	'									
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10	m Ott	8/22/24	0100																	
	/											ent volum					NO	Cooler?	YES	NO
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Summit Environmental Technologies, Inc. 3310 Win St. Cuyahoga Falls, Ohio 44223

TEL: (330) 253-8211 FAX: (330) 253-4485 Website: http://www.settek.com

Sample Log-In Check List

Client Name:	PIX-OH-45601		Work Order N	lumber: 24081	617	RcptNo: 1					
Logged by:	Christina N. Gen	ıma 8	3/22/2024 1:00	0:00 AM		C.Ce	uma				
Completed By:	Christina N. Gen	ıma 8	3/22/2024 12:3	9:57 PM		C. Clumba C. Clumba Jamipa mulus					
Reviewed By:	Jennifer Woolf		3/22/2024 7:38	3:59 PM		Jon	miles melecal				
Chain of Cus	tody										
1. Is Chain of 0	Custody complete	?		Yes	•	No 🗆	Not Present				
2. How was the	e sample delivered	1?		<u>Sum</u>	<u>ımit</u>						
<u>Log In</u>											
3. Coolers are	present?			Yes	✓	No 🗆	NA 🗆				
✓ Shipping cor	ntainer/cooler in g	ood condition?		Yes	✓	No 🗆	Ī				
	als intact on shippi		ooler?	Yes		No 🗆					
No.		eal Date:			ed By:						
	mpt made to cool			Yes		No 🗆	NA \square				
6. Were all sar	mples received at	a temperature	of >0° C to 6.0)°C Yes	•	No 🗆	NA 🗆				
7 Sample(s) ir	n proper container	(s)?		Yes	✓	No 🗆					
	ample volume for i)?	Yes	✓	No 🗆					
	s (except VOA and			Yes	Total .	No 🗆					
	vative added to bo		, p	Yes		No 🗸					
4.4 In the boards	unace in the VOA	tiolo logo than	1/4 inch or 6 m			No 🗆	No VOA Vials ✔				
	space in the VOA					No 🗹					
	ample containers		n r	Yes			1				
	work match bottle pancies on chain			Yes	<u> </u>	No L	1				
	s correctly identifie		Custodv?	Yes	•	No _					
	nat analyses were		×××××××××××××××××××××××××××××××××××××		✓	No 🗆					
	ding times able to				✓	No _					
	customer for auth										
Special Hand	ling (if applica	able)									
17. Was client r	notified of all discre	epancies with t	his order?	Yes		No	NA 🗸				
Person	Notified:			Date:							
By Wh	om:			Via: eMa	ail Pho	ne 🗌 Fa	ax In Person				
Regard											
	Instructions:										
18. Additional re	,										
Cooler Information			0 11 1			6	15				
Cooler N	No Temp ℃	Condition	Seal Intact	Seal No	Seal Dat	e Sign	ed By				

Good

Not Present



Summit Environmental Technologies, Inc. 3310 Win St. Cuyahoga Falls, Ohio 44223 TEL: (330) 253-8211 FAX: (330) 253-4485 Website: http://www.settek.com

Order No.: 24082156

September 05, 2024

Zachary Richard
Pixelle Specialty Solutions
232 East Eighth Street
Chillicothe, OH 45601
TEL:

FAX:

RE: 16.2 Final Effluent (08-Wk4)

Dear Zachary Richard:

Summit Environmental Technologies, Inc. received 1 sample(s) on 8/29/2024 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative.

Quality control data is within laboratory defined or method specified acceptance limits except where noted.

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

miles melecel

Sincerely,

Jennifer Woolf

Project Manager

3310 Win St.

Cuyahoga Falls, Ohio 44223

Arkansas 88-0735, California 2943, Colorado, Connecticut PH-0108, Florida NELAC E87688, Idaho OH00923, Illinois 200061, Indiana C-OH-13, ISO/IEC 17025:2017 119125 L22-544, Kansas E-10347, Kentucky (Underground Storage Tank) 3, Kentucky 90146, Maryland 339, Michigan 9988, Minnesota 1780279, Nevada OH009232020-1, New Hampshire 2996, New Jersey OH006, New York 11777, North Carolina 39705 and 631, North Dakota R-201, Ohio DW, Ohio VAP CL0052, Oklahoma 2019-155, Oregon OH200001, Pennsylvania 68-01335, Rhode Island LA000317, South Carolina 92016001, Texas T104704466-19-16, Utah OH009232020-12, Virginia VELAP 10381, West Virginia 9957C

Website: http://www.settek.com

Case Narrative

WO#: **24082156**Date: **9/5/2024**

CLIENT: Pixelle Specialty Solutions **Project:** 16.2 Final Effluent (08-Wk4)

WorkOrder Narrative:

24082156: This report in its entirety consists of the following documents: Cover Letter, Case Narrative, Analytical Results, QC Summary Report, Applicable Accreditation Information, Chain-of-Custody, Cooler Receipt Form, and other applicable forms as necessary. All documents contain the Summit Environmental Technologies, Inc., Work Order Number assigned to this report.

Summit Environmental Technologies, Inc., holds the accreditations/certifications listed at the bottom of the cover letter that may or may not pertain to this report. Please refer to the "Accreditation Program Analytes Report" for accredited analytes list.

The information contained in this analytical report is the sole property of Summit Environmental Technologies, Inc. and that of the customer. It cannot be reproduced in any form without the consent of Summit Environmental Technologies, Inc. or the customer for which this report was issued. The results contained in this report are only representative of the samples received. Conditions can vary at different times and at different sampling conditions. Summit Environmental Technologies, Inc. is not responsible for use or interpretation of the data included herein.

All results for Solid Samples are reported on an "as received" or "wet weight" basis unless indicated as "dry weight" using the "-dry" designation on the reporting units.

This report is believed to meet all of the requirements of the accrediting agency, where applicable. Any comments or problems with the analytical events associated with this report are noted below.

Summit Environmental Technologies, In

3310 Win 5

Cuyahoga Falls, Ohio 4422 TEL: (330) 253-8211 FAX: (330) 253-44c

Website: http://www.settek.co

Qualifiers and Acronyms

WO#: 24082156

Date: 9/5/2024

These commonly used Qualifiers and Acronyms may or may not be present in this report.

Qualifiers

U	The compound was analyzed for but was not detected above the MDL.
---	---

- J The reported value is greater than the Method Detection Limit but less than the Reporting Limit.
- H The hold time for sample preparation and/or analysis was exceeded. Not Clean Water Act compliant.
- D The result is reported from a dilution.
- E The result exceeded the linear range of the calibration or is estimated due to interference.
- MC The result is below the Minimum Compound Limit.
- * The result exceeds the Regulatory Limit or Maximum Contamination Limit.
- m Manual integration was used to determine the area response.
- d Manual integration in which peak was deleted
- N The result is presumptive based on a Mass Spectral library search assuming a 1:1 response.
- P The second column confirmation exceeded 25% difference.
- C The result has been confirmed by GC/MS.
- X The result was not confirmed when GC/MS Analysis was performed.
- B The analyte was detected in the Method Blank at a concentration greater than the RL.

 MB+ The analyte was detected in the Method Blank at a concentration greater than the MDL.
- G The ICB or CCB contained reportable amounts of analyte.
- QC-/+ The CCV recovery failed low (-) or high (+).
- R/QDR The RPD was outside of accepted recovery limits.
- QL-/+ The LCS or LCSD recovery failed low (-) or high (+).
- QLR The LCS/LCSD RPD was outside of accepted recovery limits.
- QM-/+ The MS or MSD recovery failed low (-) or high (+).
 QMR The MS/MSD RPD was outside of accepted recovery limits.
- QV-/+ The ICV recovery failed low (-) or high (+).
- S The spike result was outside of accepted recovery limits.
- W Samples were received outside temperature limits ($0^{\circ} 6^{\circ}$ C). Not Clean Water Act compliant.
- Z Deviation; A deviation from the method was performed; Please refer to the Case Narrative for
 - additional information

Acronyms

ND	Not Detected	RL	Reporting Limit
QC	Quality Control	MDL	Method Detection Limit
MB	Method Blank	LOD	Level of Detection
LCS	Laboratory Control Sample	LOQ	Level of Quantitation
LCSD	Laboratory Control Sample Duplicate	PQL	Practical Quantitation Limit
QCS	Quality Control Sample	CRQL	Contract Required Quantitation Limit
DUP	Duplicate	PL	Permit Limit
MS	Matrix Spike	RegLvl	Regulatory Limit
MSD	Matrix Spike Duplicate	MCL	Maximum Contamination Limit
RPD	Relative Percent Different	MinCL	Minimum Compound Limit
ICV	Initial Calibration Verification	RA	Reanalysis
ICB	Initial Calibration Blank	RE	Reextraction
CCV	Continuing Calibration Verification	TIC	Tentatively Identified Compound
CCB	Continuing Calibration Blank	RT	Retention Time
RLC	Reporting Limit Check	CF	Calibration Factor

This list of Qualifiers and Acronyms reflects the most commonly utilized Qualifiers and Acronyms for reporting. Please refer to the Analytical Notes in the Case Narrative for any Qualifiers or Acronyms that do not appear in this list or for additional information regarding the use of these Qualifiers on reported data.



Summit Environmental Technologies, Inc. 3310 Win St. Cuyahoga Falls, Ohio 44223 TEL: (330) 253-8211 FAX: (330) 253-4485 Website: http://www.settek.com

Workorder Sample Summary

WO#: 24082156

05-Sep-24

CLIENT: Pixelle Specialty Solutions

Project: 16.2 Final Effluent (08-Wk4)

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
24082156-001	001 Final Effluent Paint Creek		8/27/2024 6:00:00 AM	8/29/2024 12:50:00 AM	Non-Potable Water
24082156-001	001 Final Effluent Paint Creek		8/27/2024 6:00:00 AM	8/29/2024 12:50:00 AM	Non-Potable Water
24082156-001	001 Final Effluent Paint Creek		8/27/2024 6:00:00 AM	8/29/2024 12:50:00 AM	Non-Potable Water



Website: http://www.settek.com

Analytical Report (consolidated)

Collection Date: 8/27/2024 6:00:00 AM

WO#: 24082156 Date Reported: 9/5/2024

CLIENT: Pixelle Specialty Solutions

Project: 16.2 Final Effluent (08-Wk4)

Lab ID: 24082156-001 Matrix: NON-POTABLE WATER

Client Sample ID: 001 Final Effluent Paint Creek

Analyses	Result	RL Qu	al Units		DF	Date Analyzed
PHOSPHORUS (EPA 200.7)			E	E200.7	E20	0.7 Analyst: RJE
Phosphorus(P)	0.299	0.250	mg/L		1	9/3/2024 6:16:00 PM
ABSORBABLE ORGANIC HALIDE	S (EPA 1650)		I	E1650		Analyst: KMS
Adsorbable Organic Halides	0.989	0.500	mg/L		5	8/30/2024 8:00:00 AM
AMMONIA BY EPA 350.1			E	E350.1		Analyst: BJT
Nitrogen, Ammonia	ND	0.500	mg/L		1	9/4/2024 2:45:00 PM

Qualifiers: Value above quantitation range

Manual Integration used to determine area response M

PL Permit Limit

Sample container temperature is out of limit as specified at testcode

Holding times for preparation or analysis exceeded H

Not Detected ND

RL Reporting Detection Limit



QC SUMMARY REPORT

WO#:

24082156 05-Sep-24

Client: Pixelle Specialty Solutions

Project: 16.2 Final Effluent (08-Wk4)

BatchID: 78276

Website: http://www.settek.com

Sample ID: 24082176-003AMS SampType: MS		TestCo	TestCode: Mtl-Phos_NP Units: mg/L			Prep Da	te: 8/30/2 0	RunNo: 192479			
Client ID: BatchQC	Batch ID: 78276	Test	No: E200.7	E200.7		Analysis Da	te: 9/3/202	24	SeqNo: 52	14007	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phosphorus(P)	5.06	0.250	5.000	0.1344	98.5	70	130				

Sample ID: 24082176-003AMSD	SampType: MSD	TestCo	de: Mtl-Phos	NP Units: mg/L		Prep Da	te: 8/30/2 0	24	RunNo: 192	2479	
Client ID: BatchQC	Batch ID: 78276	Testl	No: E200.7	E200.7		Analysis Da	te: 9/3/202	24	SeqNo: 52'	14008	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phosphorus(P)	4.96	0.250	5.000	0.1344	96.5	70	130	5.061	2.01	20	

Qualifiers:

Value above quantitation range

ND Not Detected

S Spike Recovery outside accepted recovery limits

Holding times for preparation or analysis exceeded

L Permit Limit

W Sample container temperature is out of limit as specified at testcode

Manual Integration used to determine area response

RL Reporting Detection Limit



Summit Environmental Technologies, Inc. 3310 Win St. Cuyahoga Falls, Ohio 44223 TEL: (330) 253-8211 FAX: (330) 253-4489 Website: http://www.settek.com

QC SUMMARY REPORT

R192400

WO#: 24082156

05-Sep-24

Client:	Pixelle Specialty Solutions
---------	-----------------------------

Project: 16.2 Final Effluent (08-Wk4)

Sample ID: MB-R192400 SampType: MBLK TestCode: AOX NPW(16 Units: mg/L Prep Date: RunNo: 192400

Client ID: PBW Batch ID: R192400 TestNo: E1650 Analysis Date: 8/30/2024 SeqNo: 5210307

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Adsorbable Organic Halides ND 0.100

Sample ID: LCS-R192400	SampType: LCS	TestCode: AOX_N	PW(16 Units: mg/L		Prep Date) :		RunNo: 19:	2400	
Client ID: LCSW	Batch ID: R192400	TestNo: E1650			Analysis Date	e: 8/30/20	24	SeqNo: 52	10308	
Analyte	Result	PQL SPK valu	e SPK Ref Val	%REC	LowLimit H	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Adsorbable Organic Halides 0.323 0.100 0.3300 0 97.9 80 120

Sample ID: 24082112-001AMS	SampType: MS	TestCo	de: AOX_NPV	V(16 Units: mg/L		Prep Da	te:	7.0	RunNo: 192	2400	
Client ID: BatchQC	Batch ID: R192400	Testi	No: E1650			Analysis Da	te: 8/30/2 0	24	SeqNo: 52	10310	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Adsorbable Organic Halides	5.90	0.500	5,000	1.678	84 4	69	123				

Sample ID: 24082112-001AMSD Client ID: BatchQC	SampType: MSD Batch ID: R192400		de: AOX_NPV No: E1650	V(16 Units: mg/L		Prep Da Analysis Da		24	RunNo: 192 SeqNo: 52 1		10
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Adsorbable Organic Halides	6.49	0.500	5.000	1.678	96.3	69	123	5.897	9.62	20	

Qualifiers: E Value above quantitation range

ND Not Detected

S Spike Recovery outside accepted recovery limits

Holding times for preparation or analysis exceeded

PL Permit Limit

W Sample container temperature is out of limit as specified at testcode

M Manual Integration used to determine area response

RL Reporting Detection Limit

BatchID:



Website: http://www.settek.com

OC SUMMARY REPORT

R192400

WO#:

24082156

05-Sep-24

Client: Pixelle Specialty Solutions

Project: 16.2 Final Effluent (08-Wk4)

BatchID:

Sample ID: 24082112-001AMSD SampType: MSD TestCode: AOX_NPW(16 Units: mg/L Prep Date: RunNo: 192400

Client ID: BatchQC Batch ID: R192400 TestNo: E1650 Analysis Date: 8/30/2024 SeqNo: 5210311

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Sample ID: MB-R192400 SampType: MBLK TestCode: AOX NPW(16 Units: mg/L Prep Date: RunNo: 192400 Client ID: PBW Batch ID: R192400 TestNo: E1650 Analysis Date: 8/30/2024 SeqNo: 5210321 Result PQL SPK value SPK Ref Val LowLimit HighLimit RPD Ref Val %RPD **RPDLimit** Analyte %REC Qual

Adsorbable Organic Halides ND 0.100

Sample ID: 24082170-001AMS SampType: MS TestCode: AOX NPW(16 Units: mg/L Prep Date: RunNo: 192400 Client ID: BatchQC Batch ID: R192400 TestNo: E1650 Analysis Date: 8/30/2024 SeqNo: 5210324 LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual Analyte Result POL SPK value SPK Ref Val %REC Adsorbable Organic Halides 69 12.4 1.00 10.00 3.334 90.6 123

Sample ID: 24082170-001AMSD	SampType: MSD	TestCod	de: AOX_NPV	V(16 Units: mg/L		Prep Dat	te:		RunNo: 192	2400	
Client ID: BatchQC	Batch ID: R192400	TestN	lo: E1650			Analysis Dat	te: 8/30/2 0	24	SeqNo: 521	10325	·
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Adsorbable Organic Halides	13.0	1.00	10.00	3.334	96.2	69	123	12.39	4.42	20	

Oualifiers: E Value above quantitation range

ND Not Detected

S Spike Recovery outside accepted recovery limits

Holding times for preparation or analysis exceeded

PL Permit Limit

W Sample container temperature is out of limit as specified at testcode

M Manual Integration used to determine area response

RL Reporting Detection Limit



QC SUMMARY REPORT

WO#:

24082156

05-Sep-24

Client: Pixelle Specialty Solutions

16.2 Final Effluent (08-Wk4) Project: BatchID: R192400

Website: http://www.settek.com

Sample ID: MB-R192400 SampType: MBLK TestCode: AOX NPW(16 Units: mg/L Prep Date: RunNo: 192400

Client ID: PBW Batch ID: R192400 TestNo: E1650 Analysis Date: 8/30/2024 SeqNo: 5210337

LowLimit HighLimit RPD Ref Val PQL SPK value SPK Ref Val %REC %RPD RPDLimit Qual Analyte Result

Adsorbable Organic Halides ND 0.100

Spike Recovery outside accepted recovery limits

Permit Limit

Sample container temperature is out of limit as specified at testcode

Reporting Detection Limit



Website: http://www.settek.com

QC SUMMARY REPORT

R192594

WO#:

24082156

05-Sep-24

Client: Pixelle Specialty Solutions

Project: 16.2 Final Effluent (08-Wk4)

Sample ID: MB-R192594 SampType: MBLK TestCode: AMMONIA N Units: mg/L Prep Date: RunNo: 192594

Client ID: PBW Batch ID: R192594 TestNo: E350.1 Analysis Date: 9/4/2024 SeqNo: 5215112

LowLimit HighLimit RPD Ref Val %RPD RPDLimit Analyte Result POL SPK value SPK Ref Val Qual

ND 0.500 Nitrogen, Ammonia

SampType: MBLK Prep Date: Sample ID: FILTERED BLANK TestCode: AMMONIA N Units: ma/L RunNo: 192594

Client ID: PBW Batch ID: R192594 Analysis Date: 9/4/2024 TestNo: E350.1 SegNo: 5215113

%REC LowLimit HighLimit RPD Ref Val Analyte Result PQL SPK value SPK Ref Val %RPD RPDLimit Qual

Nitrogen, Ammonia ND 0.500

Sample ID: RLC-0.2 SampType: RLC Prep Date: RunNo: 192594 TestCode: AMMONIA N Units: mg/L

Client ID: BatchQC Batch ID: R192594 TestNo: E350.1 Analysis Date: 9/4/2024 SeqNo: 5215114

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

70 Nitrogen, Ammonia ND 0.500 0.2000 n 126 130

Sample ID: RLC-0.5 SampType: RLC TestCode: AMMONIA N Units: mg/L Prep Date: RunNo: 192594

Client ID: BatchQC Analysis Date: 9/4/2024 Batch ID: R192594 TestNo: E350.1 SeqNo: 5215115

PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual Analyte Result

Nitrogen, Ammonia 0.500 0.500 0.5000 0 100 70 130

Qualifiers: Value above quantitation range

Not Detected

Spike Recovery outside accepted recovery limits

Holding times for preparation or analysis exceeded

Permit Limit

Sample container temperature is out of limit as specified at testcode

Manual Integration used to determine area response

Reporting Detection Limit

BatchID:



Summit Environmental Technologies, Inc. 3310 Win St. Cuyahoga Falls, Ohio 44223 TEL: (330) 253-8211 FAX: (330) 253-4489 Website: http://www.settek.com

QC SUMMARY REPORT

R192594

WO#:

24082156

05-Sep-24

Client: Pixelle Specialty Solutions

Project: 16.2 Final Effluent (08-Wk4)

Sample ID: RLC-0.5 SampType: RLC TestCode: AMMONIA_N Units: mg/L Prep Date: RunNo: 192594

Client ID: BatchQC Batch ID: R192594 TestNo: E350.1 Analysis Date: 9/4/2024 SeqNo: 5215115

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Sample ID: LCS-R192594 Client ID: LCSW	SampType: LCS Batch ID: R192594		de: AMMONIA No: E350.1	_N Units: mg/L		Prep Da Analysis Da		4	RunNo: 192 SeqNo: 52 1	2000	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia	10.3	0.500	10.00	0	103	90	110				

Sample ID: FILTERED LCS	SampType: LCS	TestCo	de: AMMONIA	N Units: mg/L		Prep Da	te:		RunNo: 192	2594	
Client ID: LCSW	Batch ID: R192594	Testi	No: E350.1			Analysis Da	te: 9/4/202	4	SeqNo: 52	15117	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia	10.7	0.500	10.00	0	107	90	110				

Sample ID: 24082020-001ADUP	SampType: DUP	TestCo	de: AMMONIA	_N Units: mg/L		Prep Da	te:		RunNo: 192	2594	
Client ID: BatchQC	Batch ID: R192594	Test	No: E350.1			Analysis Da	te: 9/4/20 2	24	SeqNo: 52	15125	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia	ND	0.500						0	0	20	

Qualifiers: E Value above quantitation range

ND Not Detected

S Spike Recovery outside accepted recovery limits

H Holding times for preparation or analysis exceeded

PL Permit Limit

W Sample container temperature is out of limit as specified at testcode

M Manual Integration used to determine area response

RL Reporting Detection Limit

BatchID:



Website: http://www.settek.com

QC SUMMARY REPORT

WO#:

24082156

05-Sep-24

Client:	Pixelle Specialty Solutions

Project: 16.2 Final E	ffluent (08-Wk4)					В	BatchID: F	R192594		
Sample ID: 24082020-003AMS Client ID: BatchQC	SampType: MS Batch ID: R192594	TestCode: AMM0 TestNo: E350.			Prep Date Analysis Date		24	RunNo: 19: SeqNo: 52		
Analyte	Result	PQL SPK va	alue SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia	11.1	0.500 10	0.00 0.1730	109	90	110				
Sample ID: 24082020-003AMSD	SampType: MSD	TestCode: AMM	ONIA_N Units:		Prep Date	ə:		RunNo: 19	2594	
Client ID: BatchQC	Batch ID: R192594	TestNo: E350 .	1		Analysis Date	e: 9/4/202	24	SeqNo: 52	15129	
Analyte	Result	PQL SPK va	alue SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia	10.9	0.500 10	0.00 0.1730	107	90	110	11.05	1.53	20	
Sample ID: 24082186-001AMS	SampType: MS	TestCode: AMM	ONIA_N Units:		Prep Date	ə:		RunNo: 19	2594	
Client ID: BatchQC	Batch ID: R192594	TestNo: E350.	1		Analysis Date	e: 9/4/202	24	SeqNo: 52	15135	
Analyte	Result	PQL SPK va	alue SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia	10.7	0.500 10	0.00	107	90	110				
Sample ID: 24082186-001AMSD	SampType: MSD	TestCode: AMM	ONIA_N Units:		Prep Date	ə:		RunNo: 19	2594	
Client ID: BatchQC	Batch ID: R192594	TestNo: E350.	1		Analysis Date	e: 9/4/202	24	SeqNo: 52	15136	
Analyte	Result	PQL SPK va	alue SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia	10.9	0.500 10	0.00	109	90	110	10.72	1.54	20	
O 100 E Volve shows avants	tation sound		alding times for properties or a				Manual Internation word		2.20	

Qualifiers:

Value above quantitation range

Not Detected

Spike Recovery outside accepted recovery limits

Holding times for preparation or analysis exceeded

Permit Limit

Sample container temperature is out of limit as specified at testcode

Manual Integration used to determine area response

Reporting Detection Limit



Summit Environmental Technologies, Inc. 3310 Win St. Cuyahoga Falls, Ohio 44223 TEL: (330) 253-8211 FAX: (330) 253-4489 Website: http://www.settek.com

QC SUMMARY REPORT

R192594

WO#:

24082156 05-Sep-24

Client: Pixelle Specialty Solutions

Project: 16.2 Final Effluent (08-Wk4)

Sample ID: 24082186-001AMSD SampType: MSD TestCode: AMMONIA_N Units: Prep Date: RunNo: 192594

Client ID: BatchQC Batch ID: R192594 TestNo: E350.1 Analysis Date: 9/4/2024 SeqNo: 5215136

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Sample ID: MB2-R192594 Client ID: PBW	SampType: MBLK Batch ID: R192594	TestCode: AMMONIA_N Units: mg/L TestNo: E350.1	Prep Date: Analysis Date: 9/4/2024	RunNo: 192594 SeqNo: 5215147
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual

Nitrogen, Ammonia ND 0.500

Sample ID: RLC-2	SampType: RLC	TestCo	de: AMMONIA	_N Units: mg/L		Prep Da	te:		RunNo: 192	2594	
Client ID: BatchQC	Batch ID: R192594	Test	No: E350.1			Analysis Da	te: 9/4/202	24	SeqNo: 52	15148	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia	0.512	0.500	0.5000	0	102	70	130				1 0 1

Sample ID: LCS2-R192594	SampType: LCS	TestCo	de: AMMONIA	_N Units: mg/L		Prep Da	te:		RunNo: 192	2594	
Client ID: LCSW	Batch ID: R192594	Test	No: E350.1			Analysis Da	te: 9/4/202	4	SeqNo: 52 1	15149	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia	10.0	0.500	10.00	0	100	90	110				

Qualifiers: E Value above quantitation range

ND Not Detected

S Spike Recovery outside accepted recovery limits

Holding times for preparation or analysis exceeded

PL Permit Limit

W Sample container temperature is out of limit as specified at testcode

M Manual Integration used to determine area response

RL Reporting Detection Limit

BatchID:



Website: http://www.settek.com

QC SUMMARY REPORT

WO#:

24082156

05-Sep-24

Pixelle Specialty Solutions Client:

Project: 16.2 Final Effluent (08-Wk4) R192594

BatchID: Sample ID: 24082319-001AMS SampType: MS TestCode: AMMONIA N Units: Prep Date: RunNo: 192594 Client ID: BatchQC Batch ID: R192594 TestNo: E350.1 Analysis Date: 9/4/2024 SeqNo: 5215164 %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Analyte Result POL SPK value SPK Ref Val Qual 10.00 90 10.0 0.500 0 100 110 Nitrogen, Ammonia Sample ID: 24082319-001AMSD SampType: MSD TestCode: AMMONIA_N Units: Prep Date: RunNo: 192594 Client ID: BatchQC Batch ID: R192594 TestNo: E350.1 Analysis Date: 9/4/2024 SegNo: 5215165 SPK value SPK Ref Val LowLimit HighLimit RPD Ref Val **RPDLimit** Analyte Result PQL %REC %RPD Qual 90 Nitrogen, Ammonia 10.0 0.500 10.00 0 100 110 10.02 0.210 20 Sample ID: 24082320-001BDUP SampType: DUP TestCode: AMMONIA N Units: mg/L Prep Date: RunNo: 192594 Client ID: BatchQC Batch ID: R192594 TestNo: E350.1 Analysis Date: 9/4/2024 SeqNo: 5215167 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual ND 0 0 20 Nitrogen, Ammonia 0.500

Qualifiers:

Value above quantitation range

Not Detected

Spike Recovery outside accepted recovery limits

Holding times for preparation or analysis exceeded

Permit Limit

Sample container temperature is out of limit as specified at testcode

Manual Integration used to determine area response

Reporting Detection Limit

Effective Date: 10/01/2019

Page 1 of 1

DC-QAC-OC338 Rev 4.3 SUMMODIT ENVIRONMENTAL TECHNOLOGIES INC.

Analysis Request / Chain of Custody

Project Accelerated		3310 Win Stree Cuyahoga Falls, 800-278-0140	NIAL TECHNOLO	ogies, Inc.	Refe	r to Terms an	d Condi	tions at	www.sette	k.com			SET WO NO.:	2	For Sun	imit Envi	ZIS	Tochnolo	ígies, Inc.	use only	
Clear French Address 222 E. 28th S1 Chillicothe Ohio 45801 Chillicothe Ohio	Pixelle	Specialty Soluti	ons	Project Identification 16.2 Final Effluent	(08-Wk4)				<u>.</u>		<u> </u>			alvtical	Paran	notors	and M	thods	Reque	sted	-
O01 Final Effluent Paint Creek 8/27/24 CCO V NPW 2 1 V				Project Street Address						etate; s)			All	aiyuca	Talal.	ueters .	anu wi		Reque		
O01 Final Effluent Paint Creek 8/27/24 CCO V NPW 2 1 V	City	Stat	e Zip	Chillicothe Ohio		,			= Oil, Vater	Zinc Ac										: : سترسد	tine
O01 Final Effluent Paint Creek 8/27/24 CCO V NPW 2 1 V	740-993	8-8855							0 %	Ci; 4) y in e									_	- T	Rou
O01 Final Effluent Paint Creek 8/27/24 CCO V NPW 2 1 V			······································	PO #		r			= Liqu	; 3) H((specif	ple		(Su					}		•	ince of
O01 Final Effluent Paint Creek 8/27/24 CCO V NPW 2 1 V	Client Emsai	l Address	a com		Facility ID				1 1 1	12SO4	.Sam	[ge			1					mplia
O01 Final Effluent Paint Creek 8/27/24 Coop V NPW 2 1 V V V V V V V V V	Sampled By Print: Brya Sign:	(Print Name and Provident Diffor	le Signature)	Ohio VAP Drinking Water Compli	Obio EP	·	ample	site Sample	S = Solid, SL = Non-Potable W	ation: 1) HNO3; 2) F 6) EDA; 7) none; 8)	r of Containers per		(, (total hald								V Only: Special Co
001 Final Effluent Paint Creek 8/27/24 22.00 V NPW 2 1 V V V V V V V V V	#	Sample Point ID	Sample	e Identification			Grab S	Сотро	Matrix: VPW =	Preserva VaOH;	Zumbe	N E H S	Ş	۵							For DV (S/R)
001 Final Effluent Paint Creek 8/27/24 ## NPW 1 1 1		001	Final Efflu	ent Paint Creek	8/27/24	060	,	V		l'''					-						
O01 Final Effluent Paint Creek 8/27/24 U. CV NPW 1 1 V		001	Final Efflu	ent Paint Creek	8/27/24	200		1	NPW	2	1	1	1	<u> </u>							
Received at Summit by: Date Time Notes / Comments: Weekly sampling. Weekly sampling.		001	Final Efflu	ent Paint Creek	8/27/24			~	NPW	1	1			V	 					<u> </u>	
Received at Summit by: Date Time Notes / Comments: Weekly sampling. Weekly sampling.																					
Received at Summit by: Date Time Carrier Rush Requested: Day(s) Received Temp: Other Container:	··-																				
Received at Summit by: Date Time Carrier Rush Requested: Day(s) Received Temp: Other Container:																			,		
Received at Summit by: Date Time Carrier Rush Requested: Day(s) Received Temp: Other Container:	·																				
Received at Summit by: Date Time Carrier Rush Requested: Day(s) Received Temp: Other Container:																					
Received at Summit by: Date Time Carrier Rush Requested: Day(s) Received Temp: Other Container:	·						_														
Received at Summit by: Date Time Notes / Comments: Weekly sampling. Weekly sampling.	Relinanis h	A hw	Data																		
Sufficient volume provided to run QC? YES NO Cooler? YES Carrier Rush Requested: Day(s) Received Temp. Other Container:		2	5-27	Ole 30	Receiv	Off			05						ng.						
Received at Summit by: Date, Time Carrier Rush Requested: Day(s) Received Temp: Other Container:	1 len	of Ab	8/29/29	0050			ge (* l				-	1									
Rush Requested:Day(s) Received Temp. Other Container:	<u> </u>	5										Sufficie	nt volun	ne provid	ed to rui	QC?	YES	NO	Cooler	YE!	s 🔲 no
1X 1/5 11/M 1 5 1/) TH/VII/O 1 Must be unpreved by Leb Meneger O \ U L p o / Lyne bo hapt map	seceived at	oummit by:	Date Date	Time	Car	rier						_	d Temp.		Other	Containe	er:				
S M OO O S M Hust be appropried by Lab Manager 3. C Ice Present? YES NO MELTED	-		pland	0020	12MM	1M1+	- Must	e938	SPYES by	Lab Man	ager	3	<u>· > _</u>	-(- 	Ice Pro	esent?	YES	No _	MELT	ED	



3.5

Good

Not Present

Summit Environmental Technologies, Inc. 3310 Win St. Cuyahoga Falls, Ohio 44223

TEL: (330) 253-8211 FAX: (330) 253-4485 Website: http://www.settek.com

Sample Log-In Check List

Clier	nt Name:	PIX-OH-45601	Work Order Number	: 24082156		RcptNo: 1
Logg	jed by:	Christina N. Gemma	8/29/2024 12:50:00 A	M	C. Ceu	ma
Com	pleted By:	Christina N. Gemma	8/29/2024 1:17:19 PM	1	C. Ceu	Ma Ma Jes muuses
Revi	ewed By:	Jennifer Woolf	8/30/2024 9:53:44 AM	1	Sound	ps mules
Cha	in of Cus	stody				
1.	ls Chain of	Custody complete?		Yes 🗸	No 🗆	Not Present
2.	How was th	ne sample delivered?		<u>Summit</u>		
Log	<u>In</u>					
3.	Coolers are	e present?		Yes 🗸	No 🗌	NA \square
4.	Shipping co	ontainer/cooler in good cond	lition?	Yes 🗸	No 🗌	
	Custody se	eals intact on shipping conta	iner/cooler?	Yes	No 🗆	Not Present ✓
	No.	Seal Da	te:	Signed By:		
5.	Was an att	empt made to cool the sam	ples?	Yes 🗸	No 🗌	NA \square
6.	Were all sa	amples received at a temper	rature of >0° C to 6.0°C	Yes 🗸	No 🗌	NA \square
7.	Sample(s)	in proper container(s)?		Yes 🗸	No 🗌	
8.	Sufficient s	sample volume for indicated	test(s)?	Yes 🗸	No 🗌	
		es (except VOA and ONG) p		Yes 🗸	No 🗆	
		rvative added to bottles?		Yes	No 🗸	NA \square
11.	Is the head	Ispace in the VOA vials less	than 1/4 inch or 6 mm?	Yes	No 🗌	No VOA Vials
12.	Were any	sample containers received	broken?	Yes	No 🗸	
13.	Does pape	rwork match bottle labels? epancies on chain of custoo		Yes 🗸	No 🗌	
		es correctly identified on Ch		Yes 🗸	No 🗌	
		hat analyses were requeste		Yes 🗸	No 🗆	
200		olding times able to be met?		Yes 🗸	No 🗌	
		y customer for authorization				
Spe	cial Hand	dling (if applicable)				
17.	Was client	notified of all discrepancies	with this order?	Yes	No 🗌	NA 🗹
	Perso	on Notified:	Date:			
	By W	hom:	Via:	eMail ☐ Ph	none Fax	☐ In Person
	Rega				<u>→</u> 15001	
. (1		Instructions:				
18	Additional i	remarks:				
	r Informat					
		No Temp ℃ Condi	tion Coal Intact Coa	No Seal Da	to Signed	By



Summit Environmental Technologies, Inc. 3310 Win St. Cuyahoga Falls, Ohio 44223 TEL: (330) 253-8211 FAX: (330) 253-4485 Website: http://www.settek.com

Order No.: 24080037

August 06, 2024

Zachary Richard
Pixelle Specialty Solutions
232 East Eighth Street
Chillicothe, OH 45601
TEL:

FAX:

RE: 16.5 River Runs (07-Wk5)

Dear Zachary Richard:

Summit Environmental Technologies, Inc. received 2 sample(s) on 8/1/2024 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative.

Quality control data is within laboratory defined or method specified acceptance limits except where noted.

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

miles melical

Sincerely,

Jennifer Woolf

Project Manager

3310 Win St.

Cuyahoga Falls, Ohio 44223

Arkansas 88-0735, California 2943, Colorado, Connecticut PH-0108, Florida NELAC E87688, Idaho OH00923, Illinois 200061, Indiana C-OH-13, ISO/IEC 17025:2017 119125 L22-544, Kansas E-10347, Kentucky (Underground Storage Tank) 3, Kentucky 90146, Maryland 339, Michigan 9988, Minnesota 1780279, Nevada OH009232020-1, New Hampshire 2996, New Jersey OH006, New York 11777, North Carolina 39705 and 631, North Dakota R-201, Ohio DW, Ohio VAP CL0052, Oklahoma 2019-155, Oregon OH200001, Pennsylvania 68-01335, Rhode Island LA000317, South Carolina 92016001, Texas T104704466-19-16, Utah OH009232020-12, Virginia VELAP 10381, West Virginia 9957C

Summit Environmental Technologies, Inc. 3310 Win St. Cuyahoga Falls, Ohio 44223 TEL: (330) 253-8211 FAX: (330) 253-4485 Website: http://www.settek.com

Case Narrative

WO#: **24080037**Date: **8/6/2024**

CLIENT: Pixelle Specialty Solutions **Project:** 16.5 River Runs (07-Wk5)

WorkOrder Narrative:

24080037: This report in its entirety consists of the following documents: Cover Letter, Case Narrative, Analytical Results, QC Summary Report, Applicable Accreditation Information, Chain-of-Custody, Cooler Receipt Form, and other applicable forms as necessary. All documents contain the Summit Environmental Technologies, Inc., Work Order Number assigned to this report.

Summit Environmental Technologies, Inc., holds the accreditations/certifications listed at the bottom of the cover letter that may or may not pertain to this report. Please refer to the "Accreditation Program Analytes Report" for accredited analytes list.

The information contained in this analytical report is the sole property of Summit Environmental Technologies, Inc. and that of the customer. It cannot be reproduced in any form without the consent of Summit Environmental Technologies, Inc. or the customer for which this report was issued. The results contained in this report are only representative of the samples received. Conditions can vary at different times and at different sampling conditions. Summit Environmental Technologies, Inc. is not responsible for use or interpretation of the data included herein.

All results for Solid Samples are reported on an "as received" or "wet weight" basis unless indicated as "dry weight" using the "-dry" designation on the reporting units.

This report is believed to meet all of the requirements of the accrediting agency, where applicable. Any comments or problems with the analytical events associated with this report are noted below.

Summit Environmental Technologies, In

3310 Win S

Cuyahoga Falls, Ohio 4422

TEL: (330) 253-8211 FAX: (330) 253-44c Website: http://www.settek.co **Qualifiers and Acronyms**

WO#: **24080037**

Date: 8/6/2024

These commonly used Qualifiers and Acronyms may or may not be present in this report.

Qualifiers

TI	The compound was analyzed for but was not detected above the MDL.
U	The compound was analyzed for but was not detected above the MDL.

- J The reported value is greater than the Method Detection Limit but less than the Reporting Limit.
- H The hold time for sample preparation and/or analysis was exceeded. Not Clean Water Act compliant.
- D The result is reported from a dilution.
- E The result exceeded the linear range of the calibration or is estimated due to interference.
- MC The result is below the Minimum Compound Limit.
- * The result exceeds the Regulatory Limit or Maximum Contamination Limit.
- m Manual integration was used to determine the area response.
- d Manual integration in which peak was deleted
- N The result is presumptive based on a Mass Spectral library search assuming a 1:1 response.
- P The second column confirmation exceeded 25% difference.
- C The result has been confirmed by GC/MS.
- X The result was not confirmed when GC/MS Analysis was performed.
- B The analyte was detected in the Method Blank at a concentration greater than the RL.

 MB+ The analyte was detected in the Method Blank at a concentration greater than the MDL.
- G The ICB or CCB contained reportable amounts of analyte.
- QC-/+ The CCV recovery failed low (-) or high (+).
- R/QDR The RPD was outside of accepted recovery limits.
- QL-/+ The LCS or LCSD recovery failed low (-) or high (+).
- QLR The LCS/LCSD RPD was outside of accepted recovery limits.
- QM-/+ The MS or MSD recovery failed low (-) or high (+).
- QMR The MS/MSD RPD was outside of accepted recovery limits.
- QV-/+ The ICV recovery failed low (-) or high (+).
- S The spike result was outside of accepted recovery limits.
- W Samples were received outside temperature limits ($0^{\circ} 6^{\circ}$ C). Not Clean Water Act compliant.
- Z Deviation; A deviation from the method was performed; Please refer to the Case Narrative for
 - additional information

Acronyms

ND	Not Detected	RL	Reporting Limit
QC	Quality Control	MDL	Method Detection Limit
MB	Method Blank	LOD	Level of Detection
LCS	Laboratory Control Sample	LOQ	Level of Quantitation
LCSD	Laboratory Control Sample Duplicate	PQL	Practical Quantitation Limit
QCS	Quality Control Sample	CRQL	Contract Required Quantitation Limit
DUP	Duplicate	PL	Permit Limit
MS	Matrix Spike	RegLvl	Regulatory Limit
MSD	Matrix Spike Duplicate	MCL	Maximum Contamination Limit
RPD	Relative Percent Different	MinCL	Minimum Compound Limit
ICV	Initial Calibration Verification	RA	Reanalysis
ICB	Initial Calibration Blank	RE	Reextraction
CCV	Continuing Calibration Verification	TIC	Tentatively Identified Compound
CCB	Continuing Calibration Blank	RT	Retention Time
RLC	Reporting Limit Check	CF	Calibration Factor

This list of Qualifiers and Acronyms reflects the most commonly utilized Qualifiers and Acronyms for reporting. Please refer to the Analytical Notes in the Case Narrative for any Qualifiers or Acronyms that do not appear in this list or for additional information regarding the use of these Qualifiers on reported data.



Website: http://www.settek.com

Workorder Sample Summary

WO#:

24080037

06-Aug-24

CLIENT: Pixelle Specialty Solutions

Project: 16.5 River Runs (07-Wk5)

	C11 1 C 1 TD	T . N			
Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
24080037-001	802 Upper Paint Creek		7/30/2024 9:00:00 AM	8/1/2024 4:25:00 AM	Non-Potable Water
24080037-001	802 Upper Paint Creek		7/30/2024 9:00:00 AM	8/1/2024 4:25:00 AM	Non-Potable Water
24080037-002	902 Upper Paint Creek		7/30/2024 8:45:00 AM	8/1/2024 4:25:00 AM	Non-Potable Water
24080037-002	902 Upper Paint Creek		7/30/2024 8:45:00 AM	8/1/2024 4:25:00 AM	Non-Potable Water



Summit Environmental Technologies, Inc. 3310 Win St. Cuyahoga Falls, Ohio 44223

TEL: (330) 253-8211 FAX: (330) 253-4485

Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **24080037**

Date Reported: 8/6/2024

Collection Date: 7/30/2024 9:00:00 AM

CLIENT: Pixelle Specialty Solutions

Project: 16.5 River Runs (07-Wk5)

Lab ID: 24080037-001 Matrix: NON-POTABLE WATER

Client Sample ID: 802 Upper Paint Creek

Analyses	Result	RL Qu	al Units	DF	Dat	te Analyzed
HARDNESS BY CALCULATION (SM-2340-B)		A2340I	3 E	200.7	Analyst: RJE
Hardness (As CaCO3)	272	200	mg/L	20	8/9	6/2024 12:33:00 PM
AMMONIA BY EPA 350.1			E350.1			Analyst: BJT
Nitrogen, Ammonia	ND	0.500	mg/L	1	8/:	2/2024 11:30:00 AM

Qualifiers: H Holding times for preparation or analysis exceeded

ND Not Detected

RL Reporting Detection Limit

M Manual Integration used to determine area response

PL Permit Limit

W Sample container temperature is out of limit as specified at testcode



Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **24080037**

Date Reported: 8/6/2024

Collection Date: 7/30/2024 8:45:00 AM

CLIENT: Pixelle Specialty Solutions

Project: 16.5 River Runs (07-Wk5)

Lab ID: 24080037-002 Matrix: NON-POTABLE WATER

Client Sample ID: 902 Upper Paint Creek

Analyses	Result	RL Qu	al Units	DF	Dat	e Analyzed
HARDNESS BY CALCULATION (SM-2340-B)		A2340	3 E	200.7	Analyst: RJE
Hardness (As CaCO3)	329	200	mg/L	20	8/6	6/2024 12:36:00 PM
AMMONIA BY EPA 350.1			E350.			Analyst: BJT
Nitrogen, Ammonia	ND	0.500	mg/L	1	8/2	2/2024 11:30:00 AM

Qualifiers: H Holding times for preparation or analysis exceeded

ND Not Detected

RL Reporting Detection Limit

M Manual Integration used to determine area response

PL Permit Limit

W Sample container temperature is out of limit as specified at testcode



Website: http://www.settek.com

QC SUMMARY REPORT

WO#: 24080037

06-Aug-24

Client:	Pixelle Specialty Solutions

Project:	16.5 Riv	er Runs (07-Wk5)			BatchID:	R190600
Sample ID: ME	3-R190600	SampType: MBLK	TestCode: AMMONIA_N Units: mg/L	Prep Date:		RunNo: 190600

Client ID:	PBW	Batch ID: R190600	TestNo: E350.1	Analysis Date: 8/2/2024	SeqNo: 5166267

LowLimit HighLimit RPD Ref Val PQL SPK value SPK Ref Val %REC %RPD RPDLimit Analyte Result Qual

0.500 ND Nitrogen, Ammonia

Sample ID: RLC-R190600	SampType: RLC	TestCode: AMMONIA_N Units: mg/L				Prep Da	ite:	RunNo: 190			
Client ID: BatchQC	Batch ID: R190600	Testl	No: E350.1		Analysis Date: 8/2/2024				SeqNo: 510		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen Ammonia	0.562	0.500	0.5000	0	112	70	130				

Sample ID: LCS-R190600	SampType: LCS	TestCo	de: AMMONIA	N Units: mg/L		Prep Da	te:	RunNo: 190			
Client ID: LCSW	Batch ID: R190600	Testi	No: E350.1			Analysis Da	te: 8/2/202	SeqNo: 510			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val				%RPD	RPDLimit	Qual
Nitrogen, Ammonia	10.5	0.500	10.00	0	105	90	110				

Sample ID: 24072306-001ADUP	SampType: DUP	TestCo	de: AMMONIA	A_N Units: mg/L		Prep Da	te:		RunNo: 190	0600	
Client ID: BatchQC	Batch ID: R190600	Test	No: E350.1		Analysis Date: 8/2/2024				SeqNo: 516		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia	ND	0.500			- 70		7 7	0	0	20	

Holding times for preparation or analysis exceeded Qualifiers:

Manual Integration used to determine area response Reporting Detection Limit Permit Limit

Not Detected

Sample container temperature is out of limit as spec



Website: http://www.settek.com

QC SUMMARY REPORT

WO#: 24080037

06-Aug-24

Client: Pixelle Specialty Solutions

Project: 16.5 River Runs (07-Wk5)

BatchID: R190600

Sample ID: 24072306-001ADUP SampType: DUP TestCode: AMMONIA_N Units: mg/L Prep Date: RunNo: 190600

Client ID: BatchQC Batch ID: R190600 TestNo: E350.1 Analysis Date: 8/2/2024 SeqNo: 5166274

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Sample ID: 24072306-003AMS	SampType: MS	TestCo	de: AMMONIA	_N Units:		Prep Da	te:		RunNo: 190	600	
Client ID: BatchQC	Batch ID: R190600	Test	No: E350.1			Analysis Da	te: 8/2/202	SeqNo: 516			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia	10.8	0.500	10.00	0.1630	106	90	110				

Sample ID: 24072306-003AMSD	SampType: MSD	pe: MSD TestCode: AMMONIA_N Units: Prep Date:		te:		0600					
Client ID: BatchQC	Batch ID: R190600	Testi	No: E350.1			Analysis Da	te: 8/2/202	SeqNo: 5166278			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia	10.7	0.500	10.00	0.1630	105	90	110	10.77	0.522	20	

Sample ID: FILTERED BLAN	K SampType: MBLK	TestCo	de: Ammoni	_N Units: mg/L		Prep Date:		RunNo: 196	0600	
Client ID: PBW	Batch ID: R190600	Test	No: E350.1			Analysis Date: 8/2/20	SeqNo: 510			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
A SAME OF THE PROPERTY OF THE	117.5	TANK BANCA								

Nitrogen, Ammonia ND 0.500

Qualifiers: H Holding times for preparation or analysis exceeded

Permit Limit RL Report

Manual Integration used to determine area response

RL Reporting Detection Limit

ND Not Detected

W Sample container temperature is out of limit as spec



Website: http://www.settek.com

QC SUMMARY REPORT

WO#: 24080037

06-Aug-24

Client: Pixelle Specialty Solutions

Project: 16.5 River Runs (07-Wk5) **BatchID: R190600**

Sample ID: 24080084-001AMS SampType: MS TestCode: AMMONIA_N Units: Prep Date: RunNo: 190600

Client ID: BatchQC Batch ID: R190600 TestNo: E350.1 Analysis Date: 8/2/2024 SeqNo: 5166329

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Nitrogen, Ammonia 10.6 0.500 10.00 0.1030 105 90 110

Sample ID: 24080084-001AMSD SampType: MSD TestCode: AMMONIA N Units: Prep Date: RunNo: 190600 Client ID: BatchQC Batch ID: R190600 TestNo: E350.1 Analysis Date: 8/2/2024 SeqNo: 5166332 PQL SPK value SPK Ref Val LowLimit HighLimit RPD Ref Val **RPDLimit** Analyte Result %REC %RPD Qual 10.6 90 20 Nitrogen, Ammonia 0.500 10.00 0.1030 105 110 10.62 0.122

RL Reporting Detection Limit

W Sample container temperature is out of limit as spec

Effective Date: 10/01/2019

Analysis Request / Chain of Custody

Page I of I

Ш	ENVIRONMEN 3310 Win Stree Cuyahaga Falls, 800-278-0140	Ohio 44223	GIES, INC.	Refe	r to Terms an	d Condi	tions at	www.sette	k.com			SET WO NO.:	2	For Su	nni Envi	onments 03	Toobno	logies, Inc.	use only	,
Client Name Pixelle S	pecialty Solution	ons	Project Identification 16.5 River Runs (07-Wk5)				<u>.</u>	3: 5)				alvtica	l Para	meters	and M	ethods	Reque	sted	
Client Street 232 E. 8t			Project Street Address 232 E. 8th St					A = A	Acetate;			1		T	T		1	T		т
Chillicoth	e Ohio 45601 State	e Zip	Chillicothe Ohio	45601 ate Zij)			= Oil, A = Air, Vater	Zinc											tine
Client Phone 740-993			Report To Zachary E. Richa					: Liquid, O = Oil Drinking Water	4; 3) HCl; 4) (specify in c		·									or Rou
Contact Pers Zachary	E. Richard		PO# 4500035913	Quote Numbe	r			L = Liq ' = Drii)4; 3)] r (spec	npk										iance
Client Email zachary.	A_ddress richard@pixelle	e.com	PWS ID	Facility ID				Sludge, 1 ater, DW	() H2SO4; (8) other (sp	er Sa										Compli
Print: Brya Sign:	(Print Name and Provident Dillon sesults to be reported p poly: Y N	2	Reporting/Accreditation R Ohio VAP Drinking Water Comp Other Compliance (Lis	✓ Ohio EI liance		ample	Composite Sample	Matrix: S = Solid, SL = Sl NPW = Non-Potable Wate	on: 1) HNO3; 2 EDA; 7) none;	Number of Containers per Sample		Hardness								For DW Only: Special Compliance or Routine (S/R)
#	Sample Point ID	Sample	e Identification	Date Collected	Time Collected	Grab Sample	Сотро	Matrix: NPW =]	Preservation: NaOH; 6) ED.	Number	NH3	Harc								For DW (S/R)
	802	Upper	Paint Creek	7/30/24	0900	1		NPW	2	1	1									
	802	Upper	Paint Creek	7/30/24	0900	~		NPW	1	1		1								
	902	Lower	Paint Creek	7/30/24	08415	V		NPW	2	1	1									
	902	Lower	Paint Creek	7/30/24	0645	~		NPW	1	1		~								
					-						ļ		ļ							<u> </u>
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	<u></u>						ļ	 					ļ					<u> </u>		ļ
Relinquish	ed by:	Date	Time	Receiv	ved by:	D	ate		Time		Notes /	Commer	nts:							
13	11/	730	1000		als	7/2	3/24	06	. 11	-	Wee	kly s	ampli	ng.						
/ flet	an Oto	6/1/24	0425																	
	/										Sufficie	nt volum	e provid	ed to run	QC?	YES	NO	Cooler?	YES	SNO
Received at	Summit by:	Date	Time	Cai	rier	Rus	h Reque	sted:		y(s)		d Temp.	°C		Containe	/				
(20		011104	040	JOUIT	1111 <u>1</u> T	Мф	age m	yoged by l	Lab Man	ager	3	<u>・ </u>		Ice Pre	sent?	_YES _	_No_	MELTI	ED	



Summit Environmental Technologies, Inc. 3310 Win St. Cuyahoga Falls, Ohio 44223

TEL: (330) 253-8211 FAX: (330) 253-4485 Website: http://www.settek.com

Sample Log-In Check List

Client Name	: PIX-OH-45601	Work Order Number:	240800	037	RcptNo:						
Logged by:	Christina N. Gemma	8/1/2024 4:25:00 AM			C. Cer	ma					
Completed E	By: Christina N. Gemma	8/1/2024 1:16:38 PM			C. Cer	ma					
Reviewed By	: Jennifer Woolf	8/1/2024 2:30:28 PM			Jam	Ma Ma Jes muleses					
Chain of C	Custody										
	of Custody complete?		Yes	✓	No 🗌	Not Present					
2. How wa	s the sample delivered?		Sum	<u>mit</u>							
Log In											
	are present?		Yes	✓	No 🗌	NA \square					
4. Shipping	g container/cooler in good cond	lition?	Yes	✓	No 🗌						
Custody	seals intact on shipping conta	iner/cooler?	Yes		No 🗌	Not Present 🗹					
No.	Seal Da	te:	Signe	ed By:							
5. Was an	attempt made to cool the sam	ples?	Yes	✓	No 🗌	NA 🗆					
6. Were al	samples received at a temper	rature of >0° C to 6.0°C	Yes	✓	No 🗌	NA \square					
7. Sample	(s) in proper container(s)?		Yes	✓	No 🗌						
8. Sufficier	nt sample volume for indicated	test(s)?	Yes	✓	No 🗌						
9. Are sam	ples (except VOA and ONG) p	properly preserved?	Yes	✓	No 🗌						
10. Was pre	eservative added to bottles?		Yes		No 🗸	NA \square					
11. Is the h	eadspace in the VOA vials less	than 1/4 inch or 6 mm?	Yes		No 🗌	No VOA Vials					
12. Were a	ny sample containers received	broken?	Yes		No 🗸						
	perwork match bottle labels? screpancies on chain of custoo	dy)	Yes	✓	No 🗌						
14. Are mat	rices correctly identified on Ch	ain of Custody?	Yes	✓	No 🗌						
15. Is it clea	r what analyses were requeste	ed?	Yes	✓	No 🗌						
	I holding times able to be met? otify customer for authorization		Yes	✓	No 🗌						
Special Ha	ndling (if applicable)										
17. Was clie	ent notified of all discrepancies	with this order?	Yes		No 🗌	NA 🗸					
Pe	rson Notified:	Date:									
Ву	Whom:	Via:	eMa	il 🗌 P	hone Fax	In Person					
Re	garding:										
Cli	ent Instructions:										

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.3	Good	Not Present			



Summit Environmental Technologies, Inc. 3310 Win St. Cuyahoga Falls, Ohio 44223 TEL: (330) 253-8211 FAX: (330) 253-4489 Website: http://www.settek.com

Order No.: 24080561

August 14, 2024

Zachary Richard
Pixelle Specialty Solutions
232 East Eighth Street
Chillicothe, OH 45601
TEL:

FAX:

RE: 16.5 River Runs (08-Wk1)

Dear Zachary Richard:

Summit Environmental Technologies, Inc. received 2 sample(s) on 8/8/2024 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative.

Quality control data is within laboratory defined or method specified acceptance limits except where noted.

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

miles milieres

Sincerely,

Jennifer Woolf

Project Manager

3310 Win St.

Cuyahoga Falls, Ohio 44223

Arkansas 88-0735, California 2943, Colorado, Connecticut PH-0108, Florida NELAC E87688, Idaho OH00923, Illinois 200061, Indiana C-OH-13, ISO/IEC 17025:2017 119125 L22-544, Kansas E-10347, Kentucky (Underground Storage Tank) 3, Kentucky 90146, Maryland 339, Michigan 9988, Minnesota 1780279, Nevada OH009232020-1, New Hampshire 2996, New Jersey OH006, New York 11777, North Carolina 39705 and 631, North Dakota R-201, Ohio DW, Ohio VAP CL0052, Oklahoma 2019-155, Oregon OH200001, Pennsylvania 68-01335, Rhode Island LA000317, South Carolina 92016001, Texas T104704466-19-16, Utah OH009232020-12, Virginia VELAP 10381, West Virginia 9957C

Summit Environmental Technologies, Inc. 3310 Win St. Cuyahoga Falls, Ohio 44223 TEL: (330) 253-8211 FAX: (330) 253-4489 Website: http://www.settek.com

Case Narrative

WO#: **24080561**Date: **8/14/2024**

CLIENT: Pixelle Specialty Solutions **Project:** 16.5 River Runs (08-Wk1)

WorkOrder Narrative:

24080561: This report in its entirety consists of the following documents: Cover Letter, Case Narrative, Analytical Results, QC Summary Report, Applicable Accreditation Information, Chain-of-Custody, Cooler Receipt Form, and other applicable forms as necessary. All documents contain the Summit Environmental Technologies, Inc., Work Order Number assigned to this report.

Summit Environmental Technologies, Inc., holds the accreditations/certifications listed at the bottom of the cover letter that may or may not pertain to this report. Please refer to the "Accreditation Program Analytes Report" for accredited analytes list.

The information contained in this analytical report is the sole property of Summit Environmental Technologies, Inc. and that of the customer. It cannot be reproduced in any form without the consent of Summit Environmental Technologies, Inc. or the customer for which this report was issued. The results contained in this report are only representative of the samples received. Conditions can vary at different times and at different sampling conditions. Summit Environmental Technologies, Inc. is not responsible for use or interpretation of the data included herein.

All results for Solid Samples are reported on an "as received" or "wet weight" basis unless indicated as "dry weight" using the "-dry" designation on the reporting units.

This report is believed to meet all of the requirements of the accrediting agency, where applicable. Any comments or problems with the analytical events associated with this report are noted below.

Summit Environmental Technologies, In

3310 Win & Cuyahoga Falls, Ohio 4422

TEL: (330) 253-8211 FAX: (330) 253-448

Website: http://www.settek.co

Qualifiers and Acronyms

WO#: **24080561**

Date: 8/14/2024

These commonly used Qualifiers and Acronyms may or may not be present in this report.

Qualifiers

TT	The compound was analyzed for but was not detected above the MDL.
	The compound was analyzed for bull was not detected above the MLD.

- J The reported value is greater than the Method Detection Limit but less than the Reporting Limit.
- H The hold time for sample preparation and/or analysis was exceeded. Not Clean Water Act compliant.
- D The result is reported from a dilution.
- E The result exceeded the linear range of the calibration or is estimated due to interference.
- MC The result is below the Minimum Compound Limit.
- The result exceeds the Regulatory Limit or Maximum Contamination Limit.
- m Manual integration was used to determine the area response.
- d Manual integration in which peak was deleted
- N The result is presumptive based on a Mass Spectral library search assuming a 1:1 response.
- P The second column confirmation exceeded 25% difference.
- C The result has been confirmed by GC/MS.
- X The result was not confirmed when GC/MS Analysis was performed.
- B The analyte was detected in the Method Blank at a concentration greater than the RL.

 MB+ The analyte was detected in the Method Blank at a concentration greater than the MDL.
- G The ICB or CCB contained reportable amounts of analyte.
- QC-/+ The CCV recovery failed low (-) or high (+).
- **R/QDR** The RPD was outside of accepted recovery limits.
- QL-/+ The LCS or LCSD recovery failed low (-) or high (+).
- QLR The LCS/LCSD RPD was outside of accepted recovery limits.

 QM-/+ The MS or MSD recovery failed low (-) or high (+).
- QMR The MS/MSD RPD was outside of accepted recovery limits.
- QV-/+ The ICV recovery failed low (-) or high (+).
- S The spike result was outside of accepted recovery limits.
- W Samples were received outside temperature limits (0° 6° C). Not Clean Water Act compliant.
- Z Deviation; A deviation from the method was performed; Please refer to the Case Narrative for
 - additional information

Acronyms

ND	Not Detected	RL	Reporting Limit
QC	Quality Control	MDL	Method Detection Limit
MB	Method Blank	LOD	Level of Detection
LCS	Laboratory Control Sample	LOQ	Level of Quantitation
LCSD	Laboratory Control Sample Duplicate	PQL	Practical Quantitation Limit
QCS	Quality Control Sample	CRQL	Contract Required Quantitation Limit
DUP	Duplicate	PL	Permit Limit
MS	Matrix Spike	RegLvl	Regulatory Limit
MSD	Matrix Spike Duplicate	MCL	Maximum Contamination Limit
RPD	Relative Percent Different	MinCL	Minimum Compound Limit
ICV	Initial Calibration Verification	RA	Reanalysis
ICB	Initial Calibration Blank	RE	Reextraction
CCV	Continuing Calibration Verification	TIC	Tentatively Identified Compound
CCB	Continuing Calibration Blank	RT	Retention Time
RLC	Reporting Limit Check	CF	Calibration Factor

This list of Qualifiers and Acronyms reflects the most commonly utilized Qualifiers and Acronyms for reporting. Please refer to the Analytical Notes in the Case Narrative for any Qualifiers or Acronyms that do not appear in this list or for additional information regarding the use of these Qualifiers on reported data.



Website: http://www.settek.com

Workorder Sample Summary

WO#: **24080561**

14-Aug-24

CLIENT: Pixelle Specialty Solutions

Project: 16.5 River Runs (08-Wk1)

Lab CampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
Lab SampleID	Client Sample ID	1 ag 110	Date Conected	Date Received	MINITALIX
24080561-001	802 Upper Paint Creek		8/6/2024 9:00:00 AM	8/8/2024 1:28:00 AM	Non-Potable Water
24080561-001	802 Upper Paint Creek		8/6/2024 9:00:00 AM	8/8/2024 1:28:00 AM	Non-Potable Water
24080561-002	902 Lower Paint Creek		8/6/2024 8:45:00 AM	8/8/2024 1:28:00 AM	Non-Potable Water
24080561-002	902 Lower Paint Creek		8/6/2024 8:45:00 AM	8/8/2024 1:28:00 AM	Non-Potable Water



Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: 24080561 Date Reported: 8/14/2024

Collection Date: 8/6/2024 9:00:00 AM

CLIENT: Pixelle Specialty Solutions

Project: 16.5 River Runs (08-Wk1)

Lab ID: 24080561-001 Matrix: NON-POTABLE WATER

Client Sample ID: 802 Upper Paint Creek

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
HARDNESS BY CALCULATION	(SM-2340-B)		A2340B	E20	00.7 Analyst: RJE
Hardness (As CaCO3)	265	200	mg/L	20	8/13/2024 12:15:00 PM
AMMONIA BY EPA 350.1			E350.1		Analyst: BJT
Nitrogen, Ammonia	ND	0.500	mg/L	1	8/12/2024 1:00:00 PM

Qualifiers: H Holding times for preparation or analysis exceeded

ND Not Detected

RL Reporting Detection Limit

M Manual Integration used to determine area response

PL Permit Limit

W Sample container temperature is out of limit as specified at testcode



Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: 24080561

Date Reported: 8/14/2024

Collection Date: 8/6/2024 8:45:00 AM

CLIENT: Pixelle Specialty Solutions

Project: 16.5 River Runs (08-Wk1)

Lab ID: 24080561-002 Matrix: NON-POTABLE WATER

Client Sample ID: 902 Lower Paint Creek

Analyses	Result	RL Qu	al Units	DF	Dat	e Analyzed
HARDNESS BY CALCULATION	(SM-2340-B)		A2340E	E	200.7	Analyst: RJE
Hardness (As CaCO3)	330	200	mg/L	20	8/	13/2024 12:25:00 PM
AMMONIA BY EPA 350.1			E350.1			Analyst: BJT
Nitrogen, Ammonia	ND	0.500	mg/L	1	8/	12/2024 1:00:00 PM

Qualifiers: H Holding times for preparation or analysis exceeded

ND Not Detected

RL Reporting Detection Limit

M Manual Integration used to determine area response

PL Permit Limit

W Sample container temperature is out of limit as specified at testcode



Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

QC SUMMARY REPORT

R191156

BatchID:

WO#: 24080561

14-Aug-24

Client: Pixelle Specialty Solution	Client:	Pixelle Specialty Solutions
------------------------------------	---------	-----------------------------

Project: 16.5 River Runs (08-Wk1)

Sample ID: MB-R191156	SampType: MBLK	TestCode: AMMONIA N Units: mg/L	Prep Date:	RunNo: 191156

Client ID: PRW	Batch ID: B191156	TestNo: E350 1	Analysis Date: 8/12/2024	SegNo: 5180061

Analyte	Result	PQL	SPK value SPK	Ref Val %REC	LowLimit I	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
---------	--------	-----	---------------	--------------	------------	-----------	-------------	------	-----------------	------

Nitrogen, Ammonia	ND	0.500

Sample ID: RLC-0.2 Client ID: BatchQC	SampType: RLC Batch ID: R191156		de: AMMONIA No: E350.1	A_N Units: mg/L		Prep Da Analysis Da	te: te: 8/12/2 0	24	RunNo: 191 SeqNo: 518		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia	ND	0.500	0.2000	0	83.5	70	130		1 11		

Sample ID: RLC-0.5	SampType: RLC	TestCo	de: AMMONIA	_N Units: mg/L		Prep Da	te:		RunNo: 191	1156	
Client ID: BatchQC	Batch ID: R191156	Test	No: E350.1			Analysis Da	te: 8/12/2 0	24	SeqNo: 518	30064	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia	ND	0.500	0.5000	0	82.0	70	130			, - + - 1	

Sample ID: LCS-R191156 Client ID: LCSW	SampType: LCS Batch ID: R191156		de: AMMONIA No: E350.1	A_N Units: mg/L		Prep Date: Analysis Date: 8/12/2024		RunNo: 191 SeqNo: 518			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia	9.77	0.500	10.00	0	97.7	90	110			7 7 7	

Qualifiers: H Holding times for preparation or analysis exceeded

PI Permit I imit

W Sample container temperature is out of limit as specified at testcode

Manual Integration used to determine area response

RL Reporting Detection Limit

ND Not Detected

S Spike Recovery outside accepted recovery limits



Summit Environmental Technologies, Inc. 3310 Win St. Cuyahoga Falls, Ohio 44223 TEL: (330) 253-8211 FAX: (330) 253-4489 Website: http://www.settek.com

QC SUMMARY REPORT

R191156

WO#:

24080561

14-Aug-24

Client: Pixelle Specialty Solutions

Project: 16.5 River Runs (08-Wk1)

BatchID:

Sample ID: LCS-R191156 SampType: LCS TestCode: AMMONIA_N Units: mg/L Prep Date: RunNo: 191156

Client ID: LCSW Batch ID: R191156 TestNo: E350.1 Analysis Date: 8/12/2024 SeqNo: 5180065

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Sample ID: FILTERED LCS	SampType: LCS	TestCo	de: AMMONIA	_N Units: mg/L	Prep Date:		RunNo: 191	156			
Client ID: LCSW	Batch ID: R191156	TestN	No: E350.1		Analysis Date: 8/12/2024			SeqNo: 5180066			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia	9.98	0.500	10.00	0	99.8	90	110				

Sample ID: FILTERED BLANK	SampType: MBLK	TestCo	de: AMMONI A	_N Units: mg/L		Prep Da	te:		RunNo: 191	1156	
Client ID: PBW	Batch ID: R191156	Test	No: E350.1			Analysis Da	ite: 8/12/2 0	24	SeqNo: 518	30067	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia	ND	0.500									

Sample ID: 24080541-001ADUP	SampType: DUP	TestCo	de: AMMONIA	_N Units: mg/L		Prep Da	te:		RunNo: 191	1156	
Client ID: BatchQC	Batch ID: R191156	Test	No: E350.1			Analysis Da	te: 8/12/2 0	24	SeqNo: 518	30069	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia	ND	0.500						0	0	20	4.5

Qualifiers: H Holding times for preparation or analysis exceeded

PL Permit Limit

W Sample container temperature is out of limit as specified at testcode

M Manual Integration used to determine area response

RL Reporting Detection Limit

ND Not Detected

S Spike Recovery outside accepted recovery limits



Website: http://www.settek.com

QC SUMMARY REPORT

WO#: 24080561

14-Aug-24

Client:	Pixelle Specialty Solutions

Project:	16.5 River Runs (08-Wk1)	BatchID:	R191156

Sample ID: 24080541-003AMS	SampType: MS	TestCo	de: AMMONIA	_N Units:		Prep Da	ite:		RunNo: 191	1156	
Client ID: BatchQC	Batch ID: R191156	Test	No: E350.1			Analysis Da	te: 8/12/20	24	SeqNo: 518	80072	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia	10.0	0.500	10.00	0	100	90	110				

Sample ID: 24080541-003AMSD			de: AMMONIA	_N Units:		Prep Date: Analysis Date: 8/12/2024		24	RunNo: 191		
Client ID: BatchQC Analyte	Batch ID: R191156 Result	PQL	No: E350.1 SPK value	SPK Ref Val	%REC			RPD Ref Val	SeqNo: 518 %RPD	RPDLimit	Qual
Nitrogen, Ammonia	10.0	0.500	10.00	0	100	90	110	10.02	0.140	20	

Sample ID: 24080661-001AMS	SampType: MS	TestCoo	de: AMMONIA	_N Units:		Prep Dat	te:		RunNo: 191	1156	
Client ID: BatchQC	Batch ID: R191156	TestN	lo: E350.1		Analysis Date: 8/12/2024			SeqNo: 518	80088		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia	10.1	0.500	10.00	0.1000	99.6	90	110				

Sample ID: 24080661-001AMSD Client ID: BatchQC	SampType: MSD Batch ID: R191156		de: AMMONIA No: E350.1	_N Units:	Prep Date: Analysis Date: 8/12/2024		RunNo: 191156 SeqNo: 5180090				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia	10.2	0.500	10.00	0.1000	101	90	110	10.06	0.890	20	

Holding times for preparation or analysis exceeded Qualifiers:

Sample container temperature is out of limit as specified at testcode

Manual Integration used to determine area response

Reporting Detection Limit

Not Detected

Spike Recovery outside accepted recovery limits



Website: http://www.settek.com

QC SUMMARY REPORT

WO#:

24080561

14-Aug-24

Client: Pixelle Specialty Solutions

Project: 16.5 River Runs (08-Wk1)

BatchID: R191156

Sample ID: 24080661-001AMSD SampType: MSD TestCode: AMMONIA_N Units: Prep Date: RunNo: 191156

Client ID: BatchQC Batch ID: R191156 TestNo: E350.1 Analysis Date: 8/12/2024 SeqNo: 5180090

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

S Spike Recovery outside accepted recovery limits

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC. 3310 Win Street

Analysis Request / Chain of Custody

Effective Date: 10/01/2019

Page 1 of 1

3310 Win Street Cuyahoga Falls, Ohio 44223 800-278-0140 Refer to Terms and Conditions at www.settek.com Client Name Project Identification Pixelle Specialty Solutions 16.5 River Runs (08-Wk1) Client Street Address Project Street Address 232 E. 8th St 232 E. 8th St Chillicothe Ohio 45601 Chillicothe Ohio 45601 Routine City Client Phone Report To 740-993-8855 Zachary E. Richard 10 Contact Person Quote Number For DW Only: Special Compliance (S/R) Zachary E. Richard 4500035913 Client Email Address PWS ID Facility ID zachary.richard@pixelle.com Sampled By (Print Name and Provide Signature) Reporting/Accreditation Requirements: Number of Containers Print Bryant Dillon Ohio EPA Pb, Cu Drinking Water Compliance Hardness For DW only, results to be reported to state by lab? If yes, lab fee may apply: Y N Other Compliance (List State/ Program): NH3 Sample Point ID Date Sample Identification Collected Collected 802 **Upper Paint Creek** 8/6/24 2 **NPW** 1 802 Upper Paint Creek 8/6/24 1 NPW 1 902 Lower Paint Creek 8/6/24 2 **NPW** 1 902 Lower Paint Creek 8/6/24 NPW 1 1 Relinquished by: Received by: Notes / Comments: Weekly sampling. 4.6+0.0 Cooler? YES NO Sufficient volume provided to run QC? YES NO Received at Summit by: Date Time Carrier Received Temp.: Other Container: Rush Requested: _ Day(s) Ice Present? YES NO MELTED Page he progredby Lab Manager



4.6

Summit Environmental Technologies, Inc. 3310 Win St. Cuyahoga Falls, Ohio 44223

TEL: (330) 253-8211 FAX: (330) 253-4489 Website: http://www.settek.com

Sample Log-In Check List

1. Is Chain of Custody complete? 2. How was the sample delivered? Summit Summit	Client Name:	PIX-OH-45601	Work Order Number:	24080	561		RcptNo: 1
Chain of Custody 1. Is Chain of Custody complete? 2. How was the sample delivered? 2. How was the sample delivered? 3. Coolers are present? 4. Shipping container/cooler in good condition? Custody seals intact on shipping container/cooler? No. Seal Date: 5. Was an attempt made to cool the samples? 6. Were all samples received at a temperature of >0° C to 6.0° C 7. Sample(s) in proper container(s)? 8. Sufficient sample volume for indicated test(s)? 9. Are samples (except VOA and ONG) properly preserved? 10. Was preservative added to bottles? 11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm? 12. Were any sample containers received broken? 13. Does paperwork match bottle labels? (Note discrepancies on chain of custody) 14. Are matrices correctly identified on Chain of Custody? 15. Is it clear what analyses were requested? (If no, notify customer for authorization.) Special Handling (if applicable) 17. Was client notified: Date: No	Logged by:	Anthony W. Britton	8/8/2024 1:28:00 AM			anthony	Butter
Chain of Custody 1. Is Chain of Custody complete? 2. How was the sample delivered? Summit	Completed By:	Anthony W. Britton	8/8/2024 2:00:56 PM			anthony	Butter
1. Is Chain of Custody complete? 2. How was the sample delivered? Summit Log In 3. Coolers are present? 4. Shipping container/cooler in good condition? Custody seals intact on shipping container/cooler? No. Seal Date: Signed By: No.	Reviewed By:	Jennifer Woolf	8/8/2024 2:29:52 PM			Jamy	ps muluses
2. How was the sample delivered? Log In 3. Coolers are present? 4. Shipping container/cooler in good condition? Custody seals intact on shipping container/cooler? No. Seal Date: Signed By: No. No. Not Present ✓ No. Seal Date: Signed By: Seal Date: Signed By: No. No. Not Present ✓ No. No. No. Not Present ✓ No.	Chain of Cust	tody					
A. Shipping container/cooler in good condition? 4. Shipping container/cooler in good condition? Custody seals intact on shipping container/cooler? No. Seal Date: Signed By: No. Seal Date: Signed By: 5. Was an attempt made to cool the samples? No. No NA 6. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA 7. Sample(s) in proper container(s)? 8. Sufficient sample volume for indicated test(s)? 9. Are samples (except VOA and ONG) properly preserved? 10. Was preservative added to bottles? 11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm? Yes No No VOA Vials 12. Were any sample containers received broken? Yes No No VOA Vials 13. Does paperwork match bottle labels? Yes No No 14. Are matrices correctly identified on Chain of Custody? Yes No No 15. Is it clear what analyses were requested? Yes No No 16. Were all holding times able to be met? Yes No No No Person Notified: Date: Date:	1. Is Chain of C	Custody complete?		Yes	✓	No 🗌	Not Present
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No. Seal Date: Signed By: 5. Was an attempt made to cool the samples? Yes No No NA 6. Were all samples received at a temperature of >0° C to 6.0°C Yes No No NA 7. Sample(s) in proper container(s)? Yes No No NA 8. Sufficient sample volume for indicated test(s)? Yes No No No No No No No No No N							Not Present ✓
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7. Sample(s) in proper container(s)? 8. Sufficient sample volume for indicated test(s)? 9. Are samples (except VOA and ONG) properly preserved? 10. Was preservative added to bottles? 11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm? 12. Were any sample containers received broken? 13. Does paperwork match bottle labels? (Note discrepancies on chain of custody) 14. Are matrices correctly identified on Chain of Custody? 15. Is it clear what analyses were requested? 16. Were all holding times able to be met? (If no, notify customer for authorization.) Special Handling (if applicable) 17. Was client notified of all discrepancies with this order? Person Notified: Date:						No 🗆	NA \square
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9. Are samples (except VOA and ONG) properly preserved? 10. Was preservative added to bottles? 11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm? 12. Were any sample containers received broken? 13. Does paperwork match bottle labels? (Note discrepancies on chain of custody) 14. Are matrices correctly identified on Chain of Custody? 15. Is it clear what analyses were requested? 16. Were all holding times able to be met? (If no, notify customer for authorization.) Special Handling (if applicable) 17. Was client notified of all discrepancies with this order? Person Notified: Date: No N	7. Sample(s) in	n proper container(s)?		Yes	✓	No 🗌	
9. Are samples (except VOA and ONG) properly preserved? 10. Was preservative added to bottles? 11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm? 12. Were any sample containers received broken? 13. Does paperwork match bottle labels? (Note discrepancies on chain of custody) 14. Are matrices correctly identified on Chain of Custody? 15. Is it clear what analyses were requested? 16. Were all holding times able to be met? (If no, notify customer for authorization.) Special Handling (if applicable) 17. Was client notified of all discrepancies with this order? Person Notified: Date:	8. Sufficient sa	ample volume for indicate	d test(s)?	Yes	✓	No 🗌	
10. Was preservative added to bottles? Yes No				Yes	•	No 🗆	
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(If no, notify customer for authorization.) Special Handling (if applicable) 17. Was client notified of all discrepancies with this order? Person Notified: Date:							
17. Was client notified of all discrepancies with this order? Yes □ No □ NA ✓ Person Notified: □ Date: □				Yes	•	No 🗀	
17. Was client notified of all discrepancies with this order? Person Notified: Date:	Special Handi	ling (if applicable)					
			s with this order?	Yes		No 🗌	NA 🗸
Dy Whom	Person	Notified:	Date:				
by whom: via: ewaii Phone Fax in Person	By Who	om:	Via:	eMa	iil 🔲 F	hone E Fax	In Person
Regarding:	Regard	ding:					
Client Instructions:	Client I	nstructions:					
	Cooler Informatio						
(100 to 100 to 1	Cooler N	No Temp °C Cond	dition Seal Intact Sea	No	Seal D	ate Signed	Ву

Good Not Present



Summit Environmental Technologies, Inc. 3310 Win St. Cuyahoga Falls, Ohio 44223 TEL: (330) 253-8211 FAX: (330) 253-4485 Website: http://www.settek.com

Order No.: 24081099

August 21, 2024

Zachary Richard
Pixelle Specialty Solutions
232 East Eighth Street
Chillicothe, OH 45601
TEL:

FAX:

RE: 16.5 River Runs (08-Wk2)

Dear Zachary Richard:

Summit Environmental Technologies, Inc. received 2 sample(s) on 8/15/2024 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative.

Quality control data is within laboratory defined or method specified acceptance limits except where noted.

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

miles melical

Sincerely,

Jennifer Woolf

Project Manager

3310 Win St.

Cuyahoga Falls, Ohio 44223

Arkansas 88-0735, California 2943, Colorado, Connecticut PH-0108, Florida NELAC E87688, Idaho OH00923, Illinois 200061, Indiana C-OH-13, ISO/IEC 17025:2017 119125 L22-544, Kansas E-10347, Kentucky (Underground Storage Tank) 3, Kentucky 90146, Maryland 339, Michigan 9988, Minnesota 1780279, Nevada OH009232020-1, New Hampshire 2996, New Jersey OH006, New York 11777, North Carolina 39705 and 631, North Dakota R-201, Ohio DW, Ohio VAP CL0052, Oklahoma 2019-155, Oregon OH200001, Pennsylvania 68-01335, Rhode Island LA000317, South Carolina 92016001, Texas T104704466-19-16, Utah OH009232020-12, Virginia VELAP 10381, West Virginia 9957C

Website: http://www.settek.com

Case Narrative

WO#: **24081099**Date: **8/21/2024**

CLIENT: Pixelle Specialty Solutions **Project:** 16.5 River Runs (08-Wk2)

WorkOrder Narrative:

24081099: This report in its entirety consists of the following documents: Cover Letter, Case Narrative, Analytical Results, QC Summary Report, Applicable Accreditation Information, Chain-of-Custody, Cooler Receipt Form, and other applicable forms as necessary. All documents contain the Summit Environmental Technologies, Inc., Work Order Number assigned to this report.

Summit Environmental Technologies, Inc., holds the accreditations/certifications listed at the bottom of the cover letter that may or may not pertain to this report. Please refer to the "Accreditation Program Analytes Report" for accredited analytes list.

The information contained in this analytical report is the sole property of Summit Environmental Technologies, Inc. and that of the customer. It cannot be reproduced in any form without the consent of Summit Environmental Technologies, Inc. or the customer for which this report was issued. The results contained in this report are only representative of the samples received. Conditions can vary at different times and at different sampling conditions. Summit Environmental Technologies, Inc. is not responsible for use or interpretation of the data included herein.

All results for Solid Samples are reported on an "as received" or "wet weight" basis unless indicated as "dry weight" using the "-dry" designation on the reporting units.

This report is believed to meet all of the requirements of the accrediting agency, where applicable. Any comments or problems with the analytical events associated with this report are noted below.

Summit Environmental Technologies, In

3310 Win 5

Cuyahoga Falls, Ohio 4422 TEL: (330) 253-8211 FAX: (330) 253-44c

Website: http://www.settek.co

Qualifiers and Acronyms

WO#: **24081099**

Date: 8/21/2024

These commonly used Qualifiers and Acronyms may or may not be present in this report.

Qualifiers

T	I T	ne compound	was analy	zed for	but was not	detected	above the MDL.
٠.	, ,	ic compound	was anar	ZCUIUI	out was no	uciccica	above me mil

- J The reported value is greater than the Method Detection Limit but less than the Reporting Limit.
- H The hold time for sample preparation and/or analysis was exceeded. Not Clean Water Act compliant.
- D The result is reported from a dilution.
- E The result exceeded the linear range of the calibration or is estimated due to interference.
- MC The result is below the Minimum Compound Limit.
- * The result exceeds the Regulatory Limit or Maximum Contamination Limit.
- m Manual integration was used to determine the area response.
- d Manual integration in which peak was deleted
- N The result is presumptive based on a Mass Spectral library search assuming a 1:1 response.
- P The second column confirmation exceeded 25% difference.
- C The result has been confirmed by GC/MS.
- X The result was not confirmed when GC/MS Analysis was performed.
- B The analyte was detected in the Method Blank at a concentration greater than the RL.

 MB+ The analyte was detected in the Method Blank at a concentration greater than the MDL.
- G The ICB or CCB contained reportable amounts of analyte.
- QC-/+ The CCV recovery failed low (-) or high (+).
- R/QDR The RPD was outside of accepted recovery limits.
- QL-/+ The LCS or LCSD recovery failed low (-) or high (+).
- **QLR** The LCS/LCSD RPD was outside of accepted recovery limits.
- QM-/+ The MS or MSD recovery failed low (-) or high (+).
- QMR The MS/MSD RPD was outside of accepted recovery limits.
- QV-/+ The ICV recovery failed low (-) or high (+).
- S The spike result was outside of accepted recovery limits.
- W Samples were received outside temperature limits (0° 6° C). Not Clean Water Act compliant.
- Z Deviation; A deviation from the method was performed; Please refer to the Case Narrative for
 - additional information

Acronyms

ND	Not Detected	RL	Reporting Limit
QC	Quality Control	MDL	Method Detection Limit
MB	Method Blank	LOD	Level of Detection
LCS	Laboratory Control Sample	LOQ	Level of Quantitation
LCSD	Laboratory Control Sample Duplicate	PQL	Practical Quantitation Limit
QCS	Quality Control Sample	CRQL	Contract Required Quantitation Limit
DUP	Duplicate	PL	Permit Limit
MS	Matrix Spike	RegLvl	Regulatory Limit
MSD	Matrix Spike Duplicate	MCL	Maximum Contamination Limit
RPD	Relative Percent Different	MinCL	Minimum Compound Limit
ICV	Initial Calibration Verification	RA	Reanalysis
ICB	Initial Calibration Blank	RE	Reextraction
CCV	Continuing Calibration Verification	TIC	Tentatively Identified Compound
CCB	Continuing Calibration Blank	RT	Retention Time
RLC	Reporting Limit Check	CF	Calibration Factor

This list of Qualifiers and Acronyms reflects the most commonly utilized Qualifiers and Acronyms for reporting. Please refer to the Analytical Notes in the Case Narrative for any Qualifiers or Acronyms that do not appear in this list or for additional information regarding the use of these Qualifiers on reported data.



Website: http://www.settek.com

Workorder Sample Summary

WO#:

24081099

21-Aug-24

CLIENT: Pixelle Specialty Solutions

Project: 16.5 River Runs (08-Wk2)

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
24081099-001	802 Upper Paint Creek		8/13/2024 6:00:00 AM	8/15/2024 1:30:00 AM	Non-Potable Water
24081099-001	802 Upper Paint Creek		8/13/2024 6:00:00 AM	8/15/2024 1:30:00 AM	Non-Potable Water
24081099-002	902 Lower Paint Creek		8/13/2024 6:00:00 AM	8/15/2024 1:30:00 AM	Non-Potable Water
24081099-002	902 Lower Paint Creek		8/13/2024 6:00:00 AM	8/15/2024 1:30:00 AM	Non-Potable Water



Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: 24081099 Date Reported: 8/21/2024

Collection Date: 8/13/2024 6:00:00 AM

CLIENT: Pixelle Specialty Solutions

Project: 16.5 River Runs (08-Wk2)

Lab ID: 24081099-001 Matrix: NON-POTABLE WATER

Client Sample ID: 802 Upper Paint Creek

Analyses	Result	RL Qu	al Units	DF	Dat	te Analyzed
HARDNESS BY CALCULATION (SM-2340-B)		A2340I	3 E	200.7	Analyst: RJE
Hardness (As CaCO3)	261	200	mg/L	20	8/:	20/2024 2:04:00 PM
AMMONIA BY EPA 350.1			E350.1			Analyst: BJT
Nitrogen, Ammonia	ND	0.500	mg/L	1	8/	16/2024 12:00:00 PM

Qualifiers: H Holding times for preparation or analysis exceeded

ND Not Detected

RL Reporting Detection Limit

M Manual Integration used to determine area response

PL Permit Limit

W Sample container temperature is out of limit as specified at testcode



Summit Environmental Technologies, Inc. 3310 Win St. Cuyahoga Falls, Ohio 44223

TEL: (330) 253-8211 FAX: (330) 253-4485 Website: http://www.settek.com **Analytical Report**

(consolidated)

WO#: **24081099**

Date Reported: 8/21/2024

Collection Date: 8/13/2024 6:00:00 AM

CLIENT: Pixelle Specialty Solutions

Project: 16.5 River Runs (08-Wk2)

Lab ID: 24081099-002 Matrix: NON-POTABLE WATER

Client Sample ID: 902 Lower Paint Creek

Analyses	RL Qu	al Units	DF	Dat	e Analyzed	
HARDNESS BY CALCULATION (SM-2340-B)		A2340	в в	200.7	Analyst: RJE
Hardness (As CaCO3)	305	200	mg/L	20	8/2	20/2024 2:08:00 PM
AMMONIA BY EPA 350.1			E350.			Analyst: BJT
Nitrogen, Ammonia	ND	0.500	mg/L	1	8/	16/2024 12:00:00 PM

Qualifiers: H Holding times for preparation or analysis exceeded

ND Not Detected

RL Reporting Detection Limit

M Manual Integration used to determine area response

PL Permit Limit

W Sample container temperature is out of limit as specified at testcode



Summit Environmental Technologies, Inc. 3310 Win St. Cuvahoga Falls, Ohio 44223 TEL: (330) 253-8211 FAX: (330) 253-4489 Website: http://www.settek.com

QC SUMMARY REPORT

R191507

WO#:

%RPD RPDLimit

%RPD RPDLimit

24081099 21-Aug-24

Pixelle Specialty Solutions Client:

Project: 16.5 River Runs (08-Wk2)

Sample ID: RLC-0.5 SampType: RLC TestCode: Ammonia T- Units: mg/L Prep Date: RunNo: 191507

Client ID: BatchQC Batch ID: R191507 TestNo: E350.1 Analysis Date: 8/16/2024 SeqNo: 5188977

%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Analyte Result PQL SPK value SPK Ref Val Qual

70 Nitrogen, Ammonia 0.589 0.200 0.5000 0 118 130

Sample ID: LCS-R191507 SampType: LCS TestCode: Ammonia_T- Units: mg/L Prep Date: RunNo: 191507 Client ID: LCSW Batch ID: R191507 TestNo: E350.1 Analysis Date: 8/16/2024 SegNo: 5188978

LowLimit HighLimit RPD Ref Val SPK value SPK Ref Val Analyte Result PQL %REC 10.7 90 Nitrogen, Ammonia 0.200 10.00 0 107 110

Sample ID: FILTERED LCS SampType: LCS TestCode: Ammonia T- Units: mg/L Prep Date: RunNo: 191507

Client ID: LCSW Batch ID: R191507 TestNo: E350.1 Analysis Date: 8/16/2024 SeqNo: 5188979 SPK value SPK Ref Val

0 90 110 Nitrogen, Ammonia 10.8 0.200 10.00 108

PQL

Result

Analyte

LowLimit HighLimit RPD Ref Val

BatchID:

Qual

Qual

%REC

Reporting Detection Limit

Not Detected

Sample container temperature is out of limit as spec



Summit Environmental Technologies, Inc. 3310 Win St. Cuyahoga Falls, Ohio 44223 TEL: (330) 253-8211 FAX: (330) 253-4489 Website: http://www.settek.com

QC SUMMARY REPORT

R191507

BatchID:

WO#: 24081099

21-Aug-24

Client:	Pixelle Specialty Solutions

Project: 16.5 River Runs (08-Wk2)

Sample ID: MB-R191507	SampType: MBLK	TestCode: AMMONIA_N Units: mg/L	Prep Date:	RunNo: 191507

Client ID: PBW	Batch ID: R191507	TestNo: E350.1	Analysis Date: 8/16/2024	SeqNo: 5188974

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
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Nitrogen, Ammonia	ND	0.500

Sample ID: FILTERED BLANK	SampType: MBLK	TestCode: AMMONIA_N Units: mg/L				Prep Da	te:	RunNo: 191507			
Client ID: PBW	Batch ID: R191507	TestN	lo: E350.1			Analysis Da	te: 8/16/20)24	SeqNo: 51	88975	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Nitrogen, Ammonia ND 0.500

Sample ID: 24080978-001ADUP SampType: DUP		TestCo	TestCode: AMMONIA_N Units: mg/L			Prep Date:				RunNo: 191507		
Client ID: BatchQC	Batch ID: R191507	Test	No: E350.1		Analysis Date: 8/16/2024			SeqNo: 5189089				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Nitrogen, Ammonia	ND	0.500						0	0	20		

Sample ID: 24081026-001AMS SampType: MS		TestCo	TestCode: AMMONIA_N Units:			Prep Date:				RunNo: 191507		
Client ID: BatchQC	Batch ID: R191507	Test	No: E350.1			Analysis Da	te: 8/16/2 0	24	SeqNo: 518	39094		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Nitrogen, Ammonia	12.8	0.500	10.00	2.321	105	90	110					

Qualifiers: H Holding times for preparation or analysis exceeded M Manual Integration used to determine area response ND Not Detected

PL Permit Limit RL Reporting Detection Limit W Sample container temperature is out of limit as spec



Summit Environmental Technologies, Inc. 3310 Win St. Cuyahoga Falls, Ohio 44223 TEL: (330) 253-8211 FAX: (330) 253-4489 Website: http://www.settek.com

QC SUMMARY REPORT

R191507

BatchID:

WO#: 24081099

21-Aug-24

Client: Pixelle Specialty Solutions

Project: 16.5 River Runs (08-Wk2)

Sample ID: 24081026-001AMS SampType: MS TestCode: AMMONIA_N Units: Prep Date: RunNo: 191507

Client ID: BatchQC Batch ID: R191507 TestNo: E350.1 Analysis Date: 8/16/2024 SeqNo: 5189094

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Sample ID: 24081026-001AMSD	SampType: MSD	TestCod	de: AMMONI A	N Units:		Prep Da	te:		RunNo: 191	1507	
Client ID: BatchQC	Batch ID: R191507	TestN	lo: E350.1			Analysis Da	te: 8/16/2 0	24	SeqNo: 518	39095	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia	12.7	0.500	10.00	2.321	104	90	110	12.83	1.14	20	

Sample ID: 24081099-001AMS	SampType: MS	TestCo	de: AMMONIA	_N Units:		Prep Da	te:		RunNo: 191	1507	
Client ID: 802 Upper Paint Cre	Batch ID: R191507	Testl	No: E350.1			Analysis Da	te: 8/16/2 0	24	SeqNo: 518	39100	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia	10.5	0.500	10.00	0.1630	104	90	110	7 1			

Sample ID: 24081099-001AMSD	SampType: MSD	TestCod	de: AMMONIA	_N Units:		Prep Da	te:		RunNo: 191	1507	
Client ID: 802 Upper Paint Cre	Batch ID: R191507	TestN	lo: E350.1			Analysis Da	te: 8/16/2 0	24	SeqNo: 518	39101	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia	10.4	0.500	10.00	0.1630	102	90	110	10.53	1.63	20	

Qualifiers: H Holding times for preparation or analysis exceeded

PL Permit Limit

Manual Integration used to determine area response

RL Reporting Detection Limit

ND Not Detected

W Sample container temperature is out of limit as spec

Analysis Request / Chain of Custody

SET For Summit Environmental Technologies, Inc. use only wo 3310 Win Street Cuyahoga Falls, Ohio 44223 800-278-0140 Refer to Terms and Conditions at www.settek.com NO.: Project Identification Client Name 16.5 River Runs (08-Wk2) **Analytical Parameters and Methods Requested** Sludge, L = Liquid, O = Oil, A = Air, ater, DW = Drinking Water Pixelle Specialty Solutions Preservation: 1) HNO3; 2) H2SO4; 3) HCl; 4) Zinc Acetate; NaOH; 6) EDA; 7) none; 8) other (specify in comments) Project Street Address Client Street Address 232 E. 8th St 232 E. 8th St Routine Chillicothe Ohio 45601 Chillicothe Ohio 45601 State Zip Zip City Report To Client Phone Zachary E. Richard 0 740-993-8855 Sample For DW Only: Special Compliance (S/R) Quote Number Contact Person 4500035913 Zachary E. Richard Facility ID PWS ID Client Email Address of Containers per zachary.richard@pixelle.com Reporting/Accreditation Requirements: Sampled By (Print Name and Provide Signature) Ohio EPA Pb, Cu Print: Bryant Dillon Ohio VAP Hardness Drinking Water Compliance Sign: For DW oraly, results to be reported to state by lab? If yes, lab fee may apply: Y N Other Compliance (List State/ Program): NH3 Grab S Time Date Sample Identification Sample Point ID Collected Collected 2 NPW 1 8/13/24 **Upper Paint Creek** 802 **Upper Paint Creek** NPW 1 802 8/13/24 2 NPW **Lower Paint Creek** 8/13/24 902 NPW 1 8/13/24 902 Lower Paint Creek Notes / Comments: Received by: Date Relinguished by: Weekly sampling. Cooler? YES NO Sufficient volume provided to run QC? YES NO Other Container: Received Temp.: Carrier Time Received at Summit by: Rush Requested: Must be approved by Lab Manager Page 10 of 11 Ice Present? YES NO MELTED



Summit Environmental Technologies, Inc. 3310 Win St. Cuyahoga Falls, Ohio 44223

TEL: (330) 253-8211 FAX: (330) 253-4485 Website: http://www.settek.com

Sample Log-In Check List

Clie	nt Name:	PIX-OH-45601	Work Order Number:	24081099		RcptNo: 1
Log	ged by:	Christina N. Gemma	8/15/2024 1:30:00 AM	7	C. Ceu	ma
Con	npleted By:	Christina N. Gemma	8/15/2024 2:22:50 PM		C. Ceu	Ma Ma ps muest
Rev	iewed By:	Jennifer Woolf	8/16/2024 5:10:50 PM		James	ps mules
Cha	in of Cus	stody				
1.	Is Chain of	Custody complete?		Yes 🗸	No 🗆	Not Present
2.	How was th	ne sample delivered?		Summit		
Log	In					
-	Coolers are	e present?		Yes 🗸	No 🗆	NA \square
4.	Shipping co	ontainer/cooler in good cond	lition?	Yes 🗸	No 🗌	
	Custody se	eals intact on shipping conta	iner/cooler?	Yes	No \square	Not Present ✓
	No.	Seal Da	te:	Signed By:		
5.	Was an att	empt made to cool the sam	ples?	Yes 🗸	No 🗌	NA \square
6.	Were all sa	amples received at a temper	rature of >0° C to 6.0°C	Yes 🗸	No 🗌	NA \square
7.	Sample(s)	in proper container(s)?		Yes 🗸	No 🗌	
8.	Sufficient s	sample volume for indicated	test(s)?	Yes 🗸	No 🗌	
9.	Are sample	es (except VOA and ONG) p	properly preserved?	Yes 🗸	No 🗌	
10.	Was prese	rvative added to bottles?		Yes	No 🗸	NA \square
11.	Is the head	Ispace in the VOA vials less	than 1/4 inch or 6 mm?	Yes	No 🗌	No VOA Vials
12.	Were any	sample containers received	broken?	Yes	No 🗸	
13.		rwork match bottle labels? repancies on chain of custoo	iy)	Yes 🗸	No 🗌	
14.	Are matrice	es correctly identified on Ch	ain of Custody?	Yes 🗸	No 🗌	
15.	ls it clear w	vhat analyses were requeste	ed?	Yes 🗸	No 🗌	
16.		olding times able to be met? y customer for authorization		Yes 🗸	No 🗌	
Spe	cial Hand	dling (if applicable)				
-		notified of all discrepancies	with this order?	Yes	No 🗌	NA 🗸
	Perso	on Notified:	Date:			
	By W	hom:	Via:	eMail P	hone Fax	☐ In Person
	Rega	rding:				
	Client	Instructions:				

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.4	Good	Not Present			



Summit Environmental Technologies, Inc. 3310 Win St. Cuyahoga Falls, Ohio 44223 TEL: (330) 253-8211 FAX: (330) 253-4485 Website: http://www.settek.com

Order No.: 24081620

August 27, 2024

Zachary Richard
Pixelle Specialty Solutions
232 East Eighth Street
Chillicothe, OH 45601
TEL:

IEL:

FAX:

RE: 16.5 River Runs (08-Wk3)

Dear Zachary Richard:

Summit Environmental Technologies, Inc. received 2 sample(s) on 8/22/2024 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative.

Quality control data is within laboratory defined or method specified acceptance limits except where noted.

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

mites melical

Sincerely,

Jennifer Woolf

Project Manager

3310 Win St.

Cuyahoga Falls, Ohio 44223

Arkansas 88-0735, California 2943, Colorado, Connecticut PH-0108, Florida NELAC E87688, Idaho OH00923, Illinois 200061, Indiana C-OH-13, ISO/IEC 17025:2017 119125 L22-544, Kansas E-10347, Kentucky (Underground Storage Tank) 3, Kentucky 90146, Maryland 339, Michigan 9988, Minnesota 1780279, Nevada OH009232020-1, New Hampshire 2996, New Jersey OH006, New York 11777, North Carolina 39705 and 631, North Dakota R-201, Ohio DW, Ohio VAP CL0052, Oklahoma 2019-155, Oregon OH200001, Pennsylvania 68-01335, Rhode Island LA000317, South Carolina 92016001, Texas T104704466-19-16, Utah OH009232020-12, Virginia VELAP 10381, West Virginia 9957C

Website: http://www.settek.com

Case Narrative

WO#: **24081620**Date: **8/27/2024**

CLIENT: Pixelle Specialty Solutions **Project:** 16.5 River Runs (08-Wk3)

WorkOrder Narrative:

24081620: This report in its entirety consists of the following documents: Cover Letter, Case Narrative, Analytical Results, QC Summary Report, Applicable Accreditation Information, Chain-of-Custody, Cooler Receipt Form, and other applicable forms as necessary. All documents contain the Summit Environmental Technologies, Inc., Work Order Number assigned to this report.

Summit Environmental Technologies, Inc., holds the accreditations/certifications listed at the bottom of the cover letter that may or may not pertain to this report. Please refer to the "Accreditation Program Analytes Report" for accredited analytes list.

The information contained in this analytical report is the sole property of Summit Environmental Technologies, Inc. and that of the customer. It cannot be reproduced in any form without the consent of Summit Environmental Technologies, Inc. or the customer for which this report was issued. The results contained in this report are only representative of the samples received. Conditions can vary at different times and at different sampling conditions. Summit Environmental Technologies, Inc. is not responsible for use or interpretation of the data included herein.

All results for Solid Samples are reported on an "as received" or "wet weight" basis unless indicated as "dry weight" using the "-dry" designation on the reporting units.

This report is believed to meet all of the requirements of the accrediting agency, where applicable. Any comments or problems with the analytical events associated with this report are noted below.

Summit Environmental Technologies, In

3310 Win S

Cuyahoga Falls, Ohio 4422

TEL: (330) 253-8211 FAX: (330) 253-44c Website: http://www.settek.co **Qualifiers and Acronyms**

WO#: 24081620

Date: 8/27/2024

These commonly used Qualifiers and Acronyms may or may not be present in this report.

Qualifiers

TI	The compound was analyzed for but was not detected abo	rea the MINI
U	The compound was analyzed for but was not detected abo	ve me mid.

- J The reported value is greater than the Method Detection Limit but less than the Reporting Limit.
- H The hold time for sample preparation and/or analysis was exceeded. Not Clean Water Act compliant.
- D The result is reported from a dilution.
- E The result exceeded the linear range of the calibration or is estimated due to interference.
- MC The result is below the Minimum Compound Limit.
- * The result exceeds the Regulatory Limit or Maximum Contamination Limit.
- m Manual integration was used to determine the area response.
- d Manual integration in which peak was deleted
- N The result is presumptive based on a Mass Spectral library search assuming a 1:1 response.
- P The second column confirmation exceeded 25% difference.
- C The result has been confirmed by GC/MS.
- X The result was not confirmed when GC/MS Analysis was performed.
- B The analyte was detected in the Method Blank at a concentration greater than the RL.

 MB+ The analyte was detected in the Method Blank at a concentration greater than the MDL.
- G The ICB or CCB contained reportable amounts of analyte.
- QC-/+ The CCV recovery failed low (-) or high (+).
- R/QDR The RPD was outside of accepted recovery limits.
- QL-/+ The LCS or LCSD recovery failed low (-) or high (+).
- QLR The LCS/LCSD RPD was outside of accepted recovery limits.
- QM-/+ The MS or MSD recovery failed low (-) or high (+).
- QMR The MS/MSD RPD was outside of accepted recovery limits.
- QV-/+ The ICV recovery failed low (-) or high (+).
- S The spike result was outside of accepted recovery limits.
- W Samples were received outside temperature limits ($0^{\circ} 6^{\circ}$ C). Not Clean Water Act compliant.
- Z Deviation; A deviation from the method was performed; Please refer to the Case Narrative for
 - additional information

Acronyms

ND	Not Detected	RL	Reporting Limit
QC	Quality Control	MDL	Method Detection Limit
MB	Method Blank	LOD	Level of Detection
LCS	Laboratory Control Sample	LOQ	Level of Quantitation
LCSD	Laboratory Control Sample Duplicate	PQL	Practical Quantitation Limit
QCS	Quality Control Sample	CRQL	Contract Required Quantitation Limit
DUP	Duplicate	PL	Permit Limit
MS	Matrix Spike	RegLvl	Regulatory Limit
MSD	Matrix Spike Duplicate	MCL	Maximum Contamination Limit
RPD	Relative Percent Different	MinCL	Minimum Compound Limit
ICV	Initial Calibration Verification	RA	Reanalysis
ICB	Initial Calibration Blank	RE	Reextraction
CCV	Continuing Calibration Verification	TIC	Tentatively Identified Compound
CCB	Continuing Calibration Blank	RT	Retention Time
RLC	Reporting Limit Check	CF	Calibration Factor

This list of Qualifiers and Acronyms reflects the most commonly utilized Qualifiers and Acronyms for reporting. Please refer to the Analytical Notes in the Case Narrative for any Qualifiers or Acronyms that do not appear in this list or for additional information regarding the use of these Qualifiers on reported data.



Website: http://www.settek.com

Workorder Sample Summary

WO#:

24081620

27-Aug-24

CLIENT: Pixelle Specialty Solutions **Project:** 16.5 River Runs (08-Wk3)

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
24081620-001	802 Upper Paint Creek		8/20/2024 9:00:00 AM	8/22/2024 1:00:00 AM	Non-Potable Water
24081620-001	802 Upper Paint Creek		8/20/2024 9:00:00 AM	8/22/2024 1:00:00 AM	Non-Potable Water
24081620-002	902 Lower Paint Creek		8/20/2024 8:45:00 AM	8/22/2024 1:00:00 AM	Non-Potable Water
24081620-002	902 Lower Paint Creek		8/20/2024 8:45:00 AM	8/22/2024 1:00:00 AM	Non-Potable Water



Summit Environmental Technologies, Inc. 3310 Win St. Cuyahoga Falls, Ohio 44223

TEL: (330) 253-8211 FAX: (330) 253-4485 Website: http://www.settek.com **Analytical Report**

(consolidated)

WO#: 24081620 Date Reported: 8/27/2024

Collection Date: 8/20/2024 9:00:00 AM

Project: 16.5 River Runs (08-Wk3)

Pixelle Specialty Solutions

Lab ID: 24081620-001 Matrix: NON-POTABLE WATER

Client Sample ID: 802 Upper Paint Creek

CLIENT:

Analyses	Result	RL Qu	al Units	DF	Da	te Analyzed
HARDNESS BY CALCULATION (SM-2340-B)		A2340I	3 E	200.7	Analyst: RJE
Hardness (As CaCO3)	262	200	mg/L	20	8	/27/2024 11:27:00 AM
AMMONIA BY EPA 350.1			E350.1			Analyst: BJT
Nitrogen, Ammonia	ND	0.500	mg/L	1	8	/23/2024 11:00:00 AM

Qualifiers: H Holding times for preparation or analysis exceeded

ND Not Detected

RL Reporting Detection Limit

M Manual Integration used to determine area response

PL Permit Limit

W Sample container temperature is out of limit as specified at testcode



Website: http://www.settek.com

Analytical Report (consolidated)

Collection Date: 8/20/2024 8:45:00 AM

WO#: 24081620 Date Reported: 8/27/2024

CLIENT: Pixelle Specialty Solutions

Project: 16.5 River Runs (08-Wk3)

Lab ID: 24081620-002 Matrix: NON-POTABLE WATER

Client Sample ID: 902 Lower Paint Creek

Analyses	Result	RL Qu	al Units	DF	D	ate Analyzed
HARDNESS BY CALCULATION (SM-2340-B)		A2340	В	200.7	Analyst: RJE
Hardness (As CaCO3)	311	200	mg/L	20		8/27/2024 11:30:00 AM
AMMONIA BY EPA 350.1			E350.			Analyst: BJT
Nitrogen, Ammonia	ND	0.500	mg/L	1		8/23/2024 11:00:00 AM

Holding times for preparation or analysis exceeded Qualifiers:

ND Not Detected

RL Reporting Detection Limit Manual Integration used to determine area response

PL Permit Limit

Sample container temperature is out of limit as specified at testcode



Summit Environmental Technologies, Inc. 3310 Win St. Cuyahoga Falls, Ohio 44223 TEL: (330) 253-8211 FAX: (330) 253-4489 Website: http://www.settek.com

QC SUMMARY REPORT

WO#: 24081620

RunNo: 191923

27-Aug-24

Client:	Pixelle Specialty Solutions

SampType: MS

Sample ID: 24081530-001AMS

Project:	16.5 River Runs (08-Wk3)	BatchID;	R191923

TestCode: AMMONIA_N Units: Analysis Date: 8/23/2024 Client ID: BatchQC Batch ID: R191923 TestNo: E350.1 SeqNo: 5200259

LowLimit HighLimit RPD Ref Val PQL SPK Ref Val %REC %RPD RPDLimit Qual Analyte Result SPK value

Prep Date:

90 10.6 0.500 10.00 104 110 Nitrogen, Ammonia 0.1910

Sample ID: 24081530-001AMSD	SampType: MSD	TestCo	de: AMMONIA	_N Units:		Prep Dat	te:		RunNo: 191	1923	
Client ID: BatchQC	Batch ID: R191923	Test	No: E350.1			Analysis Da	te: 8/23/20	24	SeqNo: 520	00260	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia	10.6	0.500	10.00	0.1910	104	90	110	10.58	0.415	20	

Sample ID: 24081530-003AMS	SampType: MS	TestCo	de: AMMONI A	_N Units:		Prep Da	te:		RunNo: 191	1923	
Client ID: BatchQC	Batch ID: R191923	Test	No: E350.1			Analysis Da	te: 8/23/20	24	SeqNo: 520	00263	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia	10.8	0.500	10.00	0.1800	106	90	110				

Sample ID: 24081530-003AMSD	SampType: MSD	TestCo	de: AMMONIA	_N Units:		Prep Da	te:		RunNo: 19 1	1923	
Client ID: BatchQC	Batch ID: R191923	Testi	No: E350.1			Analysis Da	te: 8/23/2 0	24	SeqNo: 520	00264	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia	10.8	0.500	10.00	0.1800	106	90	110	10.76	0.353	20	

Holding times for preparation or analysis exceeded Qualifiers:

Permit Limit

Sample container temperature is out of limit as specified at testcode

Manual Integration used to determine area response

Reporting Detection Limit

ND Not Detected

Spike Recovery outside accepted recovery limits



Website: http://www.settek.com

QC SUMMARY REPORT

WO#:

24081620 27-Aug-24

Client: Pixelle Specialty Solutions

Project: 16.5 River Runs (08-Wk3) **BatchID: R191923**

Sample ID: 24081530-003AMSD SampType: MSD TestCode: AMMONIA_N Units: Prep Date: RunNo: 191923

Client ID: BatchQC Batch ID: R191923 TestNo: E350.1 Analysis Date: 8/23/2024 SeqNo: 5200264

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

RL Reporting Detection Limit

S Spike Recovery outside accepted recovery limits



Website: http://www.settek.com

QC SUMMARY REPORT

R191923

WO#: 24081620

27-Aug-24

Client:	Pixelle Specialty Solutions
-	14 5 D (00 TTT 0)

Project: 16.5 River Runs (08-Wk3)

Sample ID: MB	SampType: MBLK	TestCode: AMMONIA_D Units: mg/L	Prep Date:	RunNo: 191923
Client ID: PBW	Batch ID: R191923	TestNo: E350.1	Analysis Date: 8/23/2024	SeqNo: 5200163
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual

Nitrogen, Ammonia ND 0.500

Sample ID: RLC-0.2 Client ID: BatchQC	SampType: RLC Batch ID: R191923		de: AMMONIA No: E350.1	A_D Units: mg/L		Prep Da Analysis Da		124	RunNo: 19 ² SeqNo: 52 0		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia	ND	0.500	0.2000	0	139	70	130				S

Sample ID: RLC-0.5 Client ID: BatchQC	SampType: RLC Batch ID: R191923		de: AMMONIA No: E350.1	A_D Units: mg/L		Prep Da Analysis Da		24	RunNo: 19 1 SeqNo: 52 0		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia	0.590	0.500	0.5000	0	118	70	130				

Sample ID: LCS	SampType: LCS	TestCo	de: AMMONIA	_D Units: mg/L		Prep Da	te:		RunNo: 19	1923	
Client ID: LCSW	Batch ID: R191923	Test	No: E350.1			Analysis Da	te: 8/23/2 0	24	SeqNo: 52 (00166	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia	10.6	0.500	10.00	0	106	90	110				

Qualifiers: H Holding times for preparation or analysis exceeded

PL Permit Limit

W Sample container temperature is out of limit as specified at testcode

Manual Integration used to determine area response

RL Reporting Detection Limit

ND Not Detected

BatchID:

S Spike Recovery outside accepted recovery limits



Website: http://www.settek.com

QC SUMMARY REPORT

WO#: 24081620

27-Aug-24

Client: Pixelle Specialty Solutions

Project: 16.5 River Runs (08-Wk3) **BatchID: R191923**

Sample ID: LCS SampType: LCS TestCode: AMMONIA_D Units: mg/L Prep Date: RunNo: 191923

Client ID: LCSW Batch ID: R191923 TestNo: E350.1 Analysis Date: 8/23/2024 SeqNo: 5200166

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Prep Date: Sample ID: 24081642-001ADUP SampType: DUP TestCode: AMMONIA D Units: mg/L RunNo: 191923 Client ID: BatchQC Batch ID: R191923 TestNo: E350.1 Analysis Date: 8/23/2024 SeqNo: 5200168 Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD **RPDLimit** Qual Analyte Nitrogen, Ammonia 1.62 0.500 1.617 0.124 20

Qualifiers:

Holding times for preparation or analysis exceeded

PL Permit Limit

W Sample container temperature is out of limit as specified at testcode

M Manual Integration used to determine area response

RL Reporting Detection Limit

ND Not Detected

S Spike Recovery outside accepted recovery limits

City

Effective Date: 10/01/2019 Page 1 of 1

3310 Win Street

Analysis Request / Chain of Custody

For Summit Environmental Technologies, Inc. use only SET wo Refer to Terms and Conditions at www.settek.com Project Identification Client Na me 16.5 River Runs (08-Wk3) **Analytical Parameters and Methods Requested** Matrix: S = Solid, SL = Sludge, L = Liquid, O = Oil, A = Air, NPW = Non-Potable Water, DW = Drinking Water Pixelle Specialty Solutions Preservation: 1) HNO3; 2) H2SO4; 3) HCl; 4) Zinc Acetate; NaOH; 6) EDA; 7) none; 8) other (specify in comments) Project Street Address Client Str eet Address 232 E. 8th St 232 E. 8th St Chillicothe Ohio 45601 or Routine Chillicothe Ohio 45601 Zip City Report To Client Phone Zachary E. Richard 740-993-8855 For DW Only: Special Compliance (S/R) Quote Number Contact Person 4500035913 Zachary E. Richard Facility ID PWS ID Client Em ail Address of Containers per zachary.richard@pixelle.com Reporting/Accreditation Requirements: Sampled By (Print Name and Provide Signature) Ohio EPA Pb, Cu Ohio VAP Composite Sample Hardness Drinking Water Compliance For Diversity, results to be reported to state by lab? If yes, Other Compliance (List State/ Program): lab fee may apply: Y N Grab Sample Number NH3 Time Date Sample Identification Sample Point ID Collected Collected 2 1 **NPW** 8/20/24 802 **Upper Paint Creek** 1 NPW 1 8/20/24 802 **Upper Paint Creek** 2 NPW 8/20/24 Lower Paint Creek 902 NPW 8/20/24 902 **Lower Paint Creek** Notes / Comments: Received by: Date Time Relinguished by: Weekly sampling. 0100 Sufficient volume provided to run QC? YES NO Cooler? YES NO Other Container: Received Temp.: Carrier Time Received at Summit by: Day(s) Rush Requested: Must be approved by Lab Manager Page 11 of 12 Ice Present? YES NO MELTED



Summit Environmental Technologies, Inc. 3310 Win St. Cuyahoga Falls, Ohio 44223

TEL: (330) 253-8211 FAX: (330) 253-4485 Website: http://www.settek.com

Sample Log-In Check List

Clie	nt Name:	PIX-OH-45601	Work Order Number	: 24081620		RcptNo: 1
Log	ged by:	Christina N. Gemma	8/22/2024 1:00:00 AM	1	C. Cer	mha
Con	npleted By:	Christina N. Gemma	8/22/2024 12:51:17 P	М	C. Cer	Mar Mar Jos muleas
Rev	iewed By:	Jennifer Woolf	8/22/2024 7:40:55 PM	1	Jam	ife muluses
Cha	in of Cus	stody				
1.	Is Chain of	Custody complete?		Yes 🗸	No 🗆	Not Present
2.	How was th	ne sample delivered?		<u>Summit</u>		
Log	<u>In</u>					
	Coolers are	e present?		Yes 🗸	No 🗆	NA \square
4.	Shipping co	ontainer/cooler in good cond	lition?	Yes 🗸	No 🗌	
		eals intact on shipping conta		Yes \square	No 🗆	Not Present ✓
	No.	Seal Dat	te:	Signed E	Ву:	
5.	Was an att	empt made to cool the sam	ples?	Yes 🗸	No 🗌	NA \square
6.	Were all sa	amples received at a temper	rature of >0° C to 6.0°C	Yes 🗸	No 🗆	NA \square
7.	Sample(s)	in proper container(s)?		Yes 🗸	No 🗆	
8.	Sufficient s	sample volume for indicated	test(s)?	Yes 🗸	No 🗌	
9.	Are sample	es (except VOA and ONG) p	roperly preserved?	Yes 🗸	No \square	
10.	Was prese	rvative added to bottles?		Yes	No 🗸	NA \square
11.	Is the head	space in the VOA vials less	than 1/4 inch or 6 mm?	Yes 🗌	No 🗌	No VOA Vials
12.	Were any s	sample containers received	broken?	Yes	No 🗸	
13.		rwork match bottle labels? epancies on chain of custoo	ly)	Yes 🗸	No 🗌	
14.	Are matrice	es correctly identified on Cha	ain of Custody?	Yes 🗸	No 🗌	
15.	ls it clear w	hat analyses were requeste	d?	Yes 🗸	No 🗌	
16.		olding times able to be met? y customer for authorization		Yes 🗸	No 🗆	
Spe	cial Hand	dling (if applicable)				
-		notified of all discrepancies	with this order?	Yes 🗌	No 🗌	NA 🔽
	Perso	on Notified:	Date:			
	By W	hom:	Via:	eMail	Phone Fax	☐ In Person
	Rega	rding:				
	Client	Instructions:				

Cooler No	Temp ℃	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.9	Good	Not Present			



Brandon Atwood Division of Surface Water Southeast District Office 2195 East Front Street Logan, Ohio 43138

Dear Brandon:

Attached please find reports of the four non-compliance events for total suspended solids ("TSS") discharge from the Pixelle Chillicothe Mill in the first quarter of 2025. For each of the events listed below, the permit daily maximum concentration limit of 170 mg/L was exceeded:

•	January 6 th & 7 th , 2025	(303, 233 mg/L)
•	February 8th, 2025	(185 mg/L)
•	March 3 rd , 2025	(268 mg/L)
•	March 13th, 2025	(448 mg/L)

While these events resulted in exceedances of the daily maximum concentration permit limit exceedances, in no case were the monthly average TSS limits exceeded.

As the events developed in March 2025, Pixelle staff undertook numerous investigations, including:

Date	Activities & Investigations
March 10 th , 2025	Initial discussions by Pixelle ENV & Ops staff concerning WWTP issues. Initiated review of WWTP process data.
March 11 th , 2025	Developed an initial WWTP process review and an initial plan to increase sludge wasting rates and improve process solids balance.
March 12 th -14 th , 2025	Mill-wide & Company Staff calls concerning ongoing WWTP issues. Discussion focused on monitoring of WWTP status; identification of WWTP issues; development & implementation of WWTP corrective actions."
March 18 th -19 th , 2025	Mill-wide & Company Staff calls concerning ongoing WWTP issues. Discussion focused on monitoring of WWTP status; identification of WWTP issues; development & implementation of WWTP corrective actions."
March 20 th , 2025	Detailed mill investigation of WWTP exceedance root causes.
March 26 th - 27 th , 2025	Detailed mill investigation of WWTP exceedance root causes.

The investigations were successful in identifying and addressing several root causes to the TSS events occurring during the first quarter of 2025. These actions are presented in the attached incident summaries. Since the March 13th, 2025 event, Pixelle has successfully operated the wastewater treatment plant with no additional TSS issues.

If you have any questions concerning these incidents, please do not hesitate to reach out to either of us.

I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Thank you.

Michelle Corcoran

Pixelle Chillicothe EHS Manager

Michelle Caroran

Chuck Kraske

Pixelle Environmental Systems Manager



Non-compliance Notification for Exceedance of a Daily Maximum Discharge Limit

Use this form to report non-compliance that is the result of any violation of a **daily maximum discharge limit** for any of the pollutants listed by the Director in your NPDES permit (see Part III, Section 12 of your NPDES permit for details). The form should be completed and e-mailed to the appropriate Ohio EPA inspector, or Ohio EPA office using one of the following addresses:

Southeast District Office: Southwest District Office: Northwest District Office: Northeast District Office: Central District Office: Central Office: sedo24hournpdes@epa.state.oh.us swdo24hournpdes@epa.state.oh.us nwdo24hournpdes@epa.state.oh.us nedo24hournpdes@epa.state.oh.us cdo24hournpdes@epa.state.oh.us co24hournpdes@epa.state.oh.us

Permittee Information				
Name of permittee:	Pixelle Specialty Solutions LLC			
NPDES Permit number:	0IA00002*JD			
Contact name for permittee:	Chuck Kraske			
Contact telephone number:	207-931-8636			
Exceeded limit				
Parameter name:	Total Suspended Solids			
Provide type of limit exceeded, e.g.				
concentration, loading, etc.	Daily Maximum Concentration			
Extent of exceedance				
Provide permit limit, e.g. 10 ug/l	170 mg/L			
Measured exceedance (include units):	185 mg/L			
Cause of exceedance				
Provide an explanation for the cause of the permit limit exceedance:	 East Basin aerator #37 had been down since 2/1/25. This aerator is immediately upstream of basin outlet to the secondary clarifiers. Following repairs, the aerator was started up by Maintenance on 2/7/25, however, the Operations staff were not notified. Aerators #34 and #36 were also down on 2/7/25 to facilitate safe repairs on #37 - all restarted on 2/7/25. Resuspension of settled sludge in the area of the aerator resulted in high solids load to the secondary clarifiers. This elevated loading contributed to the high daily TSS concentration. 			
Period of exceedance				
Exact time period of exceedance (include times and dates):	Daily composite compliance samples for 2/8/25.			
If uncorrected, expected duration				
If the exceedance is not yet corrected, provide the expected time period during which it is anticipated to continue:	Exceedance complete.			
Steps to address exceedance				
Describe all the steps taken to reduce, eliminate, or prevent future occurrence of the exceedance(s):	Restarted aerators to return basin to normal aeration & mixing status. Surge of solids resulted in high effluent TSS.			
	2. In March, upon detailed review of WWTP TSS issues, lack of communication between Maintenance and Operations was identified as ar issue. The need for Maintenance to communicate with Operations concerning the restarting of aerators after extended periods of downtime was reiterated. This communication allows Operations to monitor the			



Non-compliance Notification for Exceedance of a Daily Maximum Discharge Limit

	process more closely and make appropriate adjustments.
Additional Information	
Event-specific notes	A. Detailed process reviews conducted in March 2025 revealed that check valve and isolation valves for #4 RAS pump failed at some undetermined time. The poor valve performance led to recirculation of sludge being discharged from #3 RAS Pump back thru #4 RAS pump back to #2 East Secondary Clarifier. This recirculation contributed to a solids imbalance in the clarifier (e.g., less sludge being removed from the clarifier than planned). It is possible that these pump and check valve issues started in early to mid-February. B. Prior to 2/25/25, RAS flow was running around 7000 gpm with 3 pumps. On 2/25/25 at 11:00 PM, RAS flow decreased from 7000+/- gpm to 4000 +/- gpm, despite 3 operating RAS pumps. This is a possible indication that the #4 RAS Pumps valve issues may have been developing.



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Name of permittee:	Pixelle Specialty Solutions LLC				
NPDES Permit number:	0IA00002*JD				
Contact name for permittee:	Chuck Kraske				
Contact telephone number:	207-931-8636				
exceeded limit					
Parameter name:	Total Suspended Solids				
Provide type of limit exceeded, e.g. concentration, loading, etc.	Daily Maximum Concentration				
Extent of exceedance					
Provide permit limit, e.g. 10 ug/l	170 mg/L				
Measured exceedance (include units):	268 mg/L				
Cause of exceedance					
Provide an explanation for the cause of the permit limit exceedance:	 #2 RAS Pump (M4146) went down at 8:13 AM for 20 minutes. #1 RAS Pump (M4145) and #3 RAS Pump (M4147) were running at this time; #4 RAS Pump (M4148) was already down. With the trip of #2 RAS Pump, there were only 2 RAS pumps operating during that 20 minute period. The 20 minute loss of #2 RAS Pump resulted in rapid increase of flow into #1 West Secondary Clarifier, with simultaneous rapid decrease in flow to #2 East Clarifier. There was a quick surge in flow to both clarifiers at approx. 10:00 AM. With MLSS at 4000 mg/L, the flow surges into #1 West Clarifier, coupled with the reduced RAS flow from that clarifier may have resulted in TSS imbalance in clarifiers; resulting in elevated TSS discharge. 				
Period of exceedance					
Exact time period of exceedance (include times and dates):	Daily composite compliance samples for 3/3/25.				
If uncorrected, expected duration					
If the exceedance is not yet corrected, provide the expected time period during which it is anticipated to continue:	Exceedance complete.				



Division of Surrace water
Non-compliance Notification for
Exceedance of a Daily Maximum Discharge Limit

Descring all the stone taken to reduce	1. The cause of #2 RAS Pump trip was investigated but was not finally		
Describe all the steps taken to reduce, eliminate, or prevent future occurrence of the exceedance(s):	identified.		
Additional Information			
Event-specific notes	 A. Flow split between clarifiers was consistent. B. Loading on #2 East Clarifier had been slowly increasing since 2/26/25. a. Increased loading due to high Primary Clarifier Effluent TSS loading. b. Reduced RAS flow resulting from #4 RAS Pump valve issues. Solids being recirculated back to East Clarifier, thus increasing loading. c. For the 3/3/25 event, RAS Pumps were running, but inconsistent operation due to valve-performance. Short period of 2 pump operation could have resulted in solids imbalance in clarifier, thus causing high TSS discharge. 		



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NPDES Permit number:	0IA00002*JD		
Contact name for permittee:	Chuck Kraske		
Contact telephone number:	207-931-8636		
Exceeded limit			
Parameter name:	Total Suspended Solids		
Provide type of limit exceeded, e.g. concentration, loading, etc.	Daily Maximum Concentration		
Extent of exceedance			
Provide permit limit, e.g. 10 ug/l	170 mg/L		
Measured exceedance (include units):	448 mg/L		
Cause of exceedance			
Provide an explanation for the cause of the permit limit exceedance:	Partial power loss to WWTP RAS pump area on 3/13/25: 1. #1 West Sec Clarifier running on 1 RAS pump (#1, M4145) since 3/11/25 #2 RAS Pump was down due to motor that failed on 3/11/25. 2. #2 East Sec Clarifier experienced a jump in rake load on 3/13 at approx. 2:00 AM. A slow increase in rake load had started previously on 2/26/25. 3. Shut down flow to #2 East Clarifier at 7:30 AM; increased flow to #1 West Clarifier. Reduction in flow to East Clarifier was necessary to prevent further solids buildup and damage to rake. 4. #2 East Sec Clarifier Running on one RAS pump (#3; M4147); #3 RAS Pump tripped at 8:20 AM on 3/13/25; down until approx. 9:00 PM on 3/13. Pump tripped out due to unknown electrical issues.		
Period of exceedance			
Exact time period of exceedance (include times and dates):	Daily composite compliance samples for 3/13/25.		
If uncorrected, expected duration			
If the exceedance is not yet corrected, provide the expected time period during which it is anticipated to	Exceedance complete.		



Division of Surface water
Non-compliance Notification for
Exceedance of a Daily Maximum Discharge Limit

continue:			
Steps to address exceedance			
Describe all the steps taken to reduce, eliminate, or prevent future occurrence of the exceedance(s):	 Power system inspected. Restarted #3 RAS Pump on 3/13/25 at approx. 9:00 PM. Started pulling more solids from clarifiers. Flow put back to #2 East Clarifier on 3/14/25. Replaced motor on #2 RAS Pump. Restarted as 3rd RAS pump on 3/17/25. Operating pumps have varied since then, but always with 3 pumps running. Clarifier loads decreased to normal levels by 3/18/25 at 3:30 PM. Inspection of isolation valves for #4 RAS Pump revealed valve leakage, thus return of RAS flow to #2 East Clarifier when #3 RAS Pump operating and #4 Pump down. #4 RAS Pump placed in service temporarily on 3/16, and permanently on 3/18, and #3 RAS pump shutdown. Rental Belt Press on-site and operating as of 3/20/25. Ongoing operations 		
	to manage overall solids balance.		
Additional Information			
Event-specific notes	Clarifier suction boxes were cleaned on 3/17/25 (10:30 AM) to ensure intakes to RAS pumps were clear and functioning properly.		
	B. Added isolation gate to #2 East Clarifier to further control flow to this clarifier during RAS pump maintenance. Gate added on 3/16/25.		
	C. Ordered new check valves for #4 RAS Pump on 3/20/25. Awaiting arrival. Need detailed shutdown & repair plan.		
	D. Beginning on 3/11/25, running only 2 RAS pumps total for the secondary clarifiers, thus limiting solids withdrawal from those clarifiers. With loss of #3 RAS Pump on 3/13, solids buildup in #2 East was rapid, significantly increasing torque on the rake. As noted previously, the clarifier was shut down to prevent damage to the rake.		



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NPDES Permit number:	0IA00002*JD
Contact name for permittee:	Chuck Kraske
Contact telephone number:	207-931-8636
Exceeded limit	
Parameter name:	Total Suspended Solids
Provide type of limit exceeded, e.g.	
concentration, loading, etc.	Daily Maximum Concentration
Extent of exceedance	
Provide permit limit, e.g. 10 ug/l	170 mg/L
Measured exceedance (include units):	303mg/L; 233 mg/L (for 1/6/15 and 1/7/25, respectively)
Cause of exceedance	
Provide an explanation for the cause of the permit limit exceedance:	 Cold weather, snow. Chemical vendor unable to check polymer tank inventory and pump condition due to very slippery road conditions during and following storm event. Cold temperatures and low tank inventory resulted in frozen polymer feed line. Pump was running, but no polymer flow to the secondary clarifier splitter box. No pump drawdowns were routinely conducted. Poor solids settling in secondary clarifiers resulted in high daily TSS concentration.
Period of exceedance	
Exact time period of exceedance (include times and dates):	Daily composite compliance samples for 1/6/25 and 1/7/25.
If uncorrected, expected duration	
If the exceedance is not yet corrected, provide the expected time period during which it is anticipated to continue:	Exceedance complete.
Steps to address exceedance	
Describe all the steps taken to reduce, eliminate, or prevent future occurrence of the exceedance(s):	 Polymer flow re-established. Operators visibly verifying polymer flow daily. Sludge judge measurements initiated once/shift. Grab sample of effluent TSS taken once/shift; samples retained for 5 days.

MaintItem	MaintenancePlan	Strategy	MaintItem text	Main WorkCtr
6934	1001791	QSTABI	1d; LUBE ROUTES - WASTE & WATER - 1M	LUBE
8049	1002340	QSTABI	1M, AC - MCR-102 LAGOONS, WEST UNIT- WED	UTLEI
8370	1002340	QSTABI	1M,WESTVACO WWTP MCC & OCR, S/N 2167	UTLEI
8368	1002340	OSTABI	1M,WESTVACO WWTP, MCR101, S/N 3471	UTLEI
6148	1002040	QSTABI	1w-FRI; DEFOAMER TANKS - LEVEL PMs-1M	UTLEI
10537	1001784	QSTABI	1w,FRI-WWTP INFL CNDVTY FROM CHEMI-1M	UTLEI
13370	1001784	QSTABI	1w,FRI WWTP CONDUCT INFLUENT 2902 - 1M	UTLEI
13371	1001784	QSTABI	1w,FRI-WWTP PH INFLUENT. LOOP 2901 - 1M	UTLEI
6452	1001784	QSTABI	1w,FRI; WWTP,LAGOON PH TO CREEK -1M	UTLEI
10021	1001784	QSTABI	1w,FRI: WWTP 1°>2° SLUDGE RATIO FLOW -1M	UTLEI
13099	1001784	QSTABI	1w,FRI: WWTP E & W 2° CLARIF TORQUE - 1M	UTLEI
6030	1001784	OSTABI	1w,Fri: WWTP EFFL. FLOW > CREEK-1M	UTLEI
11475	1001784	QSTABI	1w,FRI: WWTP LIFT STA PH, LOOP 2962 - 1M	UTLEI
6449	1001784	QSTABI	1w,FRI: WWTP,% DISSOLVED O2 to CREEK-1M	UTLEI
5728	1001784	QSTABI	1w,FRI: WWTP,CNDTVY, EFFL to CREEK - 1M	UTLEI
5946	1001784	QSTABI	1w,Fri: WWTP,EFFL SAMPLER > CREEK-1M	UTLEI
5947	1001784	QSTABI	1w,Fri: WWTP,EFFL TEMP > CREEK- 1M	UTLEI
10020		QSTABI	1WK,FRI - WWTP,ANDRITZ SLUDGE PRESS	UTLEI
6031	1003125	OSTABI	1YR CALIBRATE WWTP, EFF FLOW TO PT CREEK	UTLEI
10834	1001955	QSTABI	1YR,WATER SYSTEM ELECTRIC HEAT TAPE	UTLEI
10833	1001815	QSTABI	1YR,WATER SYSTEMS MCC'S, INPSECT & CLEAN	UTLEI
10410	1001955	QSTABI	1YR,WWTP & WELLS HEATERS WINTERIZATION	UTLEI
8371	1002424	QSTABI	4YR,REPLACE WESTVACO MEDIA UNIT 2167	UTLEI
8369	1002424	QSTABI	4YR,REPLACE WESTVACO MEDIA UNIT 3471	UTLEI
5407	1002339	QSTABI	AC, LAGOONS, MCR-102, EAST UNIT	HVAC
5408	1002340	QSTABI	AC, LAGOONS, MCR-102, WEST UNIT	HVAC
12399	1003196	QSTABI	AW02M6-PM BAR SCREEN AT W.W.T.P.	UTLWWME
11755	1003180	QSTABI	CHANGE LIFT STATION PMP AT WWTP	UTLWWME
9235		QSTABI	CRANE 2 H00229 PRI SLUDGE PIT 4WK PM THU	UTLEI
12401	1003197	QSTABI	Crane to Empty Bar Screen Dumpsters - 2M	HEO
5561	1003029	QSTABI	DO Inline Meters @ Splitter PM - 6W	UTLEI
9116	1002528	QSTABI	EAST CROSS COLLECTOR INSPECT / REPAIR	UTLWWME

9117	1002528	QSTABI	EAST LONG COLLECTOR INSPECT / REPAIR	UTLWWME
9118		QSTABI	EAST SHORT COLLECTOR INSPECT / REPAIR	UTLWWME
12400	1003197	QSTABI	Empty Bar Screen Dumpsters - 2M	UTLWWME
6628		QSTABI	Eq. Does not Exist_WWTP PVF TRASH PUMP	CMSIGR
11986	1003186	QSTABI	Final Effl Enviro Sample Sys Mech PM-2M	UTLWWME
11666	1003066	QSTABI	Lift Sta. Seal Water Filter Elem PM - 6M	UTLWWME
9355	1003195	QSTABI	PM #4 ANDRITZ PRESS AT W.W.T.P.	UTLWWME
13431	1003186	QSTABI	PM EACH AERATOR (1 through 39) - 6M	UTLWWME
10200	1002499	QSTABI	PRI. CIRC CLARIFIER RAKE DRIVE PM - 1Y	UTLWWME
10198	1002498	QSTABI	QUART.PM INSPPRI.CIRC.CLARIFIER DRIVE	UTLWWME
6504	1002529	QSTABI	RELUBE CROSSLONG SHEAR CPLGs - 1M	UTLOP
8723	1001956	QSTABI	Rotate/Repl Grit Chamber Wear Blocks-6W	UTLWWME
9180	1003049	QSTABI	SCREW PRESS DISCH. AUGER PM - 1M	UTLOP
9198	1003049	QSTABI	SCREW PRESS XFER CONV. PM - 1M	UTLWWME
9074	1003049	QSTABI	SLUDGE PRESS CONV. #1 PM - 1M	UTLOP
9087	1003049	QSTABI	SLUDGE PRESS CONV. #2 PM - 1M	UTLWWME
9092	1003049	QSTABI	SLUDGE PRESS CONV. #3 PM - 1M	UTLOP
9093	1003049	QSTABI	SLUDGE PRESS CONV. #4 PM - 1M	UTLOP
5558	1003073	QSTABI	T-154 BLD westvaco unit filter 6MO PM	UTLEI
6622	1002181	QSTABI	TRASH PUMP - WWTP PM (6)	UTLWWME
5562	1003030	QSTABI	TSS meter @ splitter 6WK PM 5K-3061-A-L	UTLEI
6116	1001774	QSTABI	Tue; LAGOON BASEMENTS HI-WTR ALARM PM-2W	UTLEI
10199	1002499	QSTABI	USED OIL SAMPLES: PRI. CIRC CLARIFIER-3M	UTLWWME
10615	1001471	ONDMD	UT69SD-LEVEL - LIFT STATION WWTP	UTLEI
10616		ONDMD	UT69SD-LEVEL - LIFT STATION WWTP	UTLEI
10587	1001472	ONDMD	UT70SD-LEVEL - PRIMARY SLUDGE PIT	UTLEI
10588		ONDMD	UT70SD-LEVEL - PRIMARY SLUDGE PIT	UTLEI
10609	1001470	ONDMD	UT73SD-LEVEL - PRIMARY DEFOAMER TANK	UTLEI
10610		ONDMD	UT73SD-LEVEL - PRIMARY DEFOAMER TANK	UTLEI
10589	1001469	ONDMD	UT87SD-LEVEL - SLUDGE BLEND TANK	UTLEI
10590		ONDMD	UT87SD-LEVEL - SLUDGE BLEND TANK	UTLEI
10339	1001779	QSTABI	UTLEI: HVAC FILTER ROUTE & PM - 1M	UTLOP
10197	1002498	QSTABI	WEEKLY PRI.CIRC. CLARIF DRIVE PM - 1M	UTLWWME

11665	1003066	QSTABI	Weekly: Lift Sta. Seal H2O Filter+PRV-1M	UTLEI
9142	1002529	QSTABI	WEST RECTANGULAR CLARIFIER REBUILD - 1Y	UTLWWME
9143		QSTABI	WEST SHORT COLLECTOR INSPECT / REPAIR	UTLWWME
8367	1002340	QSTABI	WESTVACO, WWTP INST SHOP, SN 5093,2WK,TUE	UTLEI
12152	1003039	QSTABI	Winterization - WWTP / WATER	UTLWWME
6935	1001698	QSTABI	WWTP H2S MONITOR PM 6 ea 1M	UTLOP
9354	1002023	QSTABI	WWTP: #6 SLUDGE PRESS PM - 4M	UTLWWME
9141	1002529	QSTABI	WWTP: WEST CROSS COLLECTOR-REBUILD - 1Y	UTLWWME
13686	1003614	QSTABI	BDG 007 PROACTIVE WINTERIZATION TASKS	UTLWWME
13699	1003614	QSTABI	BDG 171 PROACTIVE WINTERIZATION TASKS	UTLWWME
13702	1003614	QSTABI	BDG 228 PROACTIVE WINTERIZATION TASKS	UTLWWME
13704	1003614	QSTABI	BDG 230 PROACTIVE WINTERIZATION TASKS	UTLWWME
13706	1003614	QSTABI	BDG 233 PROACTIVE WINTERIZATION TASKS	UTLWWME
14062	1001698	QSTABI	H2S & CLO2 MONITOR PM WWTP CTRL RM - 1M	UTLEI
14108	1003692	QSTABI	1w; WWTP AIR SYSTEM BLOWDOWN PM-1M	UTLEI
14150	1002424	QSTABI	4YR,REPLACE WESTVACO MEDIA UNIT 2053HM	UTLEI
14157	1003702		Calibrate pH Final effluent to paint ck	UTLEI

Description	Last order
WASTE WATER TREATMENT PLANT (WWTP)	
AC, LAGOONS, MCR-102, WEST UNIT	4133715
AIR PUR,WESTVACO UNIT MCR 102 AND OCR	4133716
AIR PUR,WESTVACO UNIT MCR 101	4133718
LEVEL, WWTP LAGOONS DEFOAMER TANK	4133825
CONDUCTIVITY, WWTP INFLUENT FROM CHEMI	4133832
CONDUCTIVITY, WWTP INFLUENT FLUME	4133829
ANALYZER, pH WWTP INFLUENT FLUME	4133828
ANALYZER, pH FINAL EFFLUENT PAINT CREEK	4133833
FLOW, PRIMARY/SECONDRY SLUDGE RATIO CTRL	4133830
TORQUE, SEC. CIRCULAR CLARIFIER RAKE 2E	4133827
FLOW, SECONDARY CLARIFIER 2E EFFLUENT	4133835
ANALYZER, pH PRI. LIFT STATION EFFLUENT	4133826
ANALYZER, D.O. FINAL EFFL TO PAINT CREEK	4133834
CONDUCTIVITY, FINAL EFFLUENT TO PAINT CK	4133831
WWTP EAST SECONDARY LAGOONS	4133836
TEMPERATURE, FINAL EFFLUENT TO PAINT CK	4133837
FLOW, SLUDGE TO 4 BELT PRESS CTRL	
FLOW, SECONDARY CLARIFIER 2E EFFLUENT	4110711
WWTP MISCELLANEOUS ELECTRICAL SYSTEMS	4096032
WWTP MISCELLANEOUS ELECTRICAL SYSTEMS	
HTR,STM	4096035
AIR PUR, WESTVACO UNIT MCR 102 AND OCR	4065997
AIR PUR, WESTVACO UNIT MCR 101	4065996
AC, LAGOONS, MCR-102 EAST UNIT	
AC, LAGOONS, MCR-102, WEST UNIT	4133714
SCREEN, INFLUENT BAR 1W	4121504
PUMP 1,LIFT STATION (NORTH PUMP)	
CRANE, SUBMERSIBLE SLUDGE PUMP 2	
SCREEN, INFLUENT BAR 1W	4132740
ANALYZER, D.O. SPLITER BOX TO CLARIFIERS	4132017
CONV, EAST CROSS-COLLECTOR DRAG	4105745

CONV, EAST RECTANGULAR LONG DRAG	4127931
CONV, EAST RECTANGULAR SHORT DRAG	
SCREEN, INFLUENT BAR 1W	4132739
PVF, TRASH PUMP	4030653
PUMP,FINAL EFFLUENT SAMPLER	4132018
WWTP PRIMARY LIFT STATION	4084704
DEWATERING PRESS,4 SLUDGE(EAST UNIT)	
WWTP WEST SECONDARY LAGOONS	4126032
GEARBOX, PRIMARY CIRC CLARIFIER RAKE	4108358
GEARBOX, PRIMARY CIRC CLARIFIER RAKE	4131054
WWTP PRIMARY CIRCULAR CLARIFIER SYSTEM	4133080
CHAMBER, GRIT COLLECTOR	4133271
CONVEYOR, SLUDGE SCREW PRESS DISCHARGE	4132097
CONVEYOR, SCREW PRESS DISCHARGE XFR	4132098
CONV 1,SLUDGE(DISCH.CONV.)(SOUTH UNIT)	4132099
CONV 2,SLUDGE (WEST OF #6 PRESS)	4132100
CONV 3,SLUDGE (IN TRUCKERS BAY)	4132096
CONV 4,SLUDGE (BETWEEN #4 PRESSES)	4132095
AIR PUR, WESTVACO UNIT, BLDG 328,T-154	4127209
PUMP, TRASH (SOUTH END CLARFIER)	4131046
ANALYZER, TSS SPLITTER BOX TO CLARIFIERS	4133569
LEVEL, LAGOONS POLYMER BDG SUMP HI ALM	4133710
GEARBOX, PRIMARY CIRC CLARIFIER RAKE	4130003
LEVEL, WWTP LIFT STATION (BUBBLE TUBE)	
LEVEL, WWTP LIFT STATION (BUBBLE TUBE)	
LEVEL, PRIMARY SLUDGE PIT (BUBBLE TUBE)	
LEVEL, PRIMARY SLUDGE PIT (BUBBLE TUBE)	
LEVEL, WWTP LAGOONS PRIMARY DEFOAMER TK	
LEVEL, WWTP LAGOONS PRIMARY DEFOAMER TK	
LEVEL, SLUDGE BLEND TANK	
LEVEL, SLUDGE BLEND TANK	
WWTP HEATING AND VENTILATION	4133483
GEARBOX, PRIMARY CIRC CLARIFIER RAKE	4133486

WWTP PRIMARY LIFT STATION 4	133904
CONV, WEST RECTANGULAR LONG DRAG 4	124553
CONV, WEST RECTANGULAR SHORT DRAG	
AIR PUR, WESTVACO UNIT INST SHOP OCR 4	133717
PVF,STM HTR 4	132737
WASTE WATER TREATMENT PLANT (WWTP) 4	133806
DEWATERING PRESS, 6 SLUDGE(WEST UNIT) 4	132409
CONV, WEST CROSS-COLLECTOR DRAG 4	124554
1 MILL WASTE WATER STA 4	095587
WASTE TREATMENT PLANT 4	095600
SECONDARY WASTE TREAT CHEMICAL 4	095603
WASTE TREATMENT CHEMICAL 4	095605
WASTE TREAT TRUCK BAY 4	095607
ANALYZER, CLO2 & H2S MONIT. WWTP CTRL RM 4	133814
WASTE WATER TREATMENT PLANT (WWTP) 4	132025
AIR PUR,WESTVACO UNIT, BLDG 328,T-154 4	065998
ANALYZER, pH FINAL EFFLUENT PAINT CREEK	

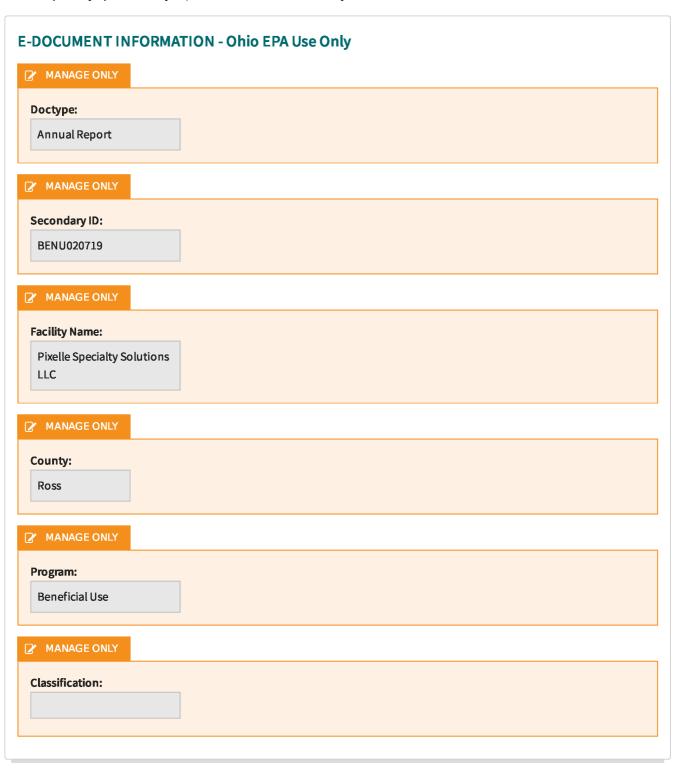
BENEFICIAL USE ANNUAL REPORT FORM

Cycle: Annual | Year: 2022 | Status: Completed

Member Name: Pixelle Specialty Solutions LLC

Report due on April 1, 2022

Beneficial Use Program authorizations (General Permits, Individual Permits, LAMP Permits, and IAWAMPs) require the completion of annual reports by April 1st each year, unless otherwise indicated in your authorization.



SECTION 1 – PERMIT HOLDER INFORMATION

Business Name: *

Dredge Material DWTM - Lime DWTM - Alum Residuals Foundry Sand Gypsum Sewage Sludge Incinerator Ash Other Canadian Source (For multiple generators, attach additional rows to include each generator's information)						
alling Address: * 32 East 8th St Chillicothe, Ohio 45601 yysical Address: * 32 East 8th St Chillicothe, Ohio 45601 hall Address: * ulia.Hume@pixelle.com hone Number: * 40-993-8398 ECTION 2 - SAMPLING AND ANALYSIS aterial Type: * Dredge Material DWTM - Lime DWTM - Alum Residuals Foundry Sand Gypsum Sewage Sludge Incinerator Ash Other neficial Use Category: * Land Application Soil Blending Engineered Fill General Fill Other Material Source (For multiple generators, attach additional rows to include each generator's information) GENERATOR NAME: EMAIL ADDRESS * ADDRESS: * CONTACT NAME: * PHONE NUMBER: 1 Phelle Specialty Julia hume@phelle, Category, Julia Hume 740-993-8398						
32 East 8th St Chillicothe, Ohio 45601 ysical Address: * 32 East 8th St Chillicothe, Ohio 45601 alil Address: * ulia.Hume@pixelle.com one Number: * 40-993-8398 CCTION 2 - SAMPLING AND ANALYSIS terial Type: * Dredge Material	Illa Hu	ume				
Address: * 32 East 8th St Chillicothe, Ohio 45601 mail Address: * ulia.Hume@pixelle.com none Number: * 40-993-8398 ECTION 2 - SAMPLING AND ANALYSIS sterial Type: * Dredge Material DWTM - Lime DWTM - Alum Residuals Foundry Sand Gypsum Sewage Sludge Incinerator Ash Other melicial Use Category: * Land Application Soil Blending Engineered Fill General Fill Other Material Source (For multiple generators, attach additional rows to include each generator's information) GENERATOR NAME: EMAIL ADDRESS ADDRESS: CONTACT NAME: PHONE NUMBER: 1 Pixelle Specialty Julia.hume@pixelle. Chillicothe, Ohio Julia Hume 740-993-8398	iling A	Address: *				
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nail Address: * ulia.Hume@pixelle.com one Number: * 40-993-8398 ECTION 2 - SAMPLING AND ANALYSIS sterial Type: * Dredge Material DWTM - Lime DWTM - Alum Residuals Foundry Sand Gypsum Sewage Sludge Incinerator Ash Other neficial Use Category: * Land Application Soil Blending Engineered Fill General Fill Other Material Source (For multiple generators, attach additional rows to include each generator's information) GENERATOR NAME: EMAIL ADDRESS ADDRESS: CONTACT NAME: PHONE NUMBER: 1 Pixelle Specialty Julia.hume@pixelle. Communication Julia Hume 740-993-8398	/sical	Address: *				
ulia.Hume@pixelle.com one Number: * 40-993-8398 ECTION 2 - SAMPLING AND ANALYSIS sterial Type: * Dredge Material DWTM - Lime DWTM - Alum Residuals Foundry Sand Gypsum Sewage Sludge Incinerator Ash Other neficial Use Category: * Land Application Soil Blending Engineered Fill General Fill Other Material Source (For multiple generators, attach additional rows to include each generator's information) GENERATOR NAME: EMAIL ADDRESS ADDRESS: CONTACT NAME: PHONE NUMBER: 1 Pixelle Specialty Julia.hume@pixelle. Com 740-993-8398	32 East	t 8th St Chillicothe, Ohi	o 45601			
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Dredge Material DWTM - Lime DWTM - Alum Residuals Foundry Sand Gypsum Sewage Sludge Incinerator Ash Other neficial Use Category: * Land Application Soil Blending Engineered Fill General Fill Other Material Source (For multiple generators, attach additional rows to include each generator's information) GENERATOR NAME: * EMAIL ADDRESS * ADDRESS: * CONTACT NAME: * PHONE NUMBER: 1 Pixelle Specialty Solutions LLC com Julia.hume@pixelle. Com Com Julia Hume 740-993-8398						
Pixelle Specialty julia.hume@pixelle. Solutions LLC com 232 East 8th St Chillicothe, Ohio Julia Hume 740-993-8398	neficia	al Use Category: *		red Fill 🔲 General Fi	ll Other	
Pixelle Specialty julia.hume@pixelle. Chillicothe, Ohio Julia Hume 740-993-8398	neficia Land Mate	al Use Category: * I Application Soil Prial Source (For r	Blending Enginee multiple generator			e each
	neficia Land Mate	Al Use Category: * I Application Soil Perial Source (For retrator's informatic	Blending Enginee multiple generator on)	rs, attach additio	nal rows to includ	e each
	Mate gene	Application Soil Prial Source (For rerator's information GENERATOR NAME: Pixelle Specialty Solutions LLC ine testing required as: Opies of all tests results nalytical 2022.pdf	Blending Enginee multiple generator on) EMAIL ADDRESS * julia.hume@pixelle. com a condition of your peri	ADDRESS: * 232 East 8th St Chillicothe, Ohio 45601 mit? *	nal rows to includ	PHONE NUMBER: 1 740-993-8398
) Yes	Mate Mate gene	Application Soil Prial Source (For rerator's information GENERATOR NAME: Pixelle Specialty Solutions LLC ine testing required as: Opies of all tests results nalytical 2022.pdf	Blending Enginee multiple generator on) EMAIL ADDRESS * julia.hume@pixelle. com a condition of your peri	ADDRESS: * 232 East 8th St Chillicothe, Ohio 45601 mit? *	CONTACT NAME: * Julia Hume	PHONE NUMBER: 1 740-993-8398

SECTION 3 - MATERIALS TRACKING Material Type: * Dredge Material DWTM - Lime DWTM - Alum Residuals Foundry Sand Gypsum Sewage Sludge Incinerator Ash Other TOTAL AMOUNT MATERIAL BENEFICIALLY MONTH TOTAL AMOUNT OF MATERIAL RECEIVED OR USED AT ALL BENEFICIAL USE SITES (TONS)2 GENERATED BY THE PERMITTEE (TONS)1 * January 6,288.00 0.00 **February** 5,630.00 193.00 March 13,550.00 48.00 **April** 6,684.00 464.00 May 4,128.00 3,546.00 7,184.00 7,400.00 June 5,570.00 519.00 July August 9,145.00 1,767.00 560.00 September 9,765.00 1,979.00 October 9,396.00 November 8,908.00 2,177.00 3,990.00 December 7,849.00 **Cumulative Totals** 94,097.00 22,643.00 AMOUNT OF MATERIAL STORED AT ALL BENEFICIAL USE SITES (TONS) AT THE END OF THE CALENDAR YEAR 3 * 6,440.00 1 Enter the total monthly tonnage of material received or generated by the permittee during each month. 2 Enter the total monthly tonnage of material beneficially used at all beneficial use sites during each month. 3 Enter the total amount of material stored at all beneficial use sites at the end of the calendar year. Site specific amonts may be entered in Section 4

SECTION 4 – BENEFICIAL USE SITE INFORMATION (IF APPLICABLE)

For each beneficial use site, enter the annual amount of material received for storage, blending, or land application. Volume Stored means amount of material stored at the Beneficial Use Site as of the date of this report. Please refer to your permit for

applicable location restrictions (e.g., streams, drinking water wells, occupied buildings, sensitive groundwater areas, etc.) for materials storage and land application and verify that each Beneficial Use Site meets these conditions

	BENEFICIAL USE SITE NAME OR ID	COUNTY	LATITUDE	LONGITUDE	PARCEL ID	LOCATION RESTRICTIO NS MET	AMOUNT RECEIVED (TONS)	AMOUNT STORED (TONS)
1	Oak Hill Tipple	Jackson	38 degs 55'37.689 "N	-82 degs 34'2.204" W		Yes No	192.51	0.00
2	Oak Hill Tipple Site 2	Jackson	38 degs 55'29.4" N	-82 degs 34'18.5" W		Yes No	3,808.16	0.00
3	Oak Hill Tipple Site 4	Jackson	38 degs 55' 34.26" N	-82 degs 34'04.93" W		Yes No	550.44	0.00
4	Cedar Heights/ Phillips Project Site 2	Jackson	38 degs 52'36.95" N	-82 degs 33' 47.81" W		Yes No	6,425.54	0.00
5	Melvin Stone- Plano	Vinton	39 degs 28'06.72" N	-83 degs 14'40.79" W		Yes No	3,016.28	0.00
6	Broken Aro 1	Jackson	39 degs 04'18.17" N	-82 degs 31'05.72" W		Yes No	6,650.00	5,726.00



Please attach additional Beneficial Use site Information (if applicable)

No File Selected

Created: Mar 9, 2023 at 01:50 PM CST

Michael Henry Michael.henry@pixelle.com

Last Updated: Mar 24, 2023 at 01:57 PM CDT

Christian Schumacher christian.schumacher@epa.ohio.gov

Beneficial Use Annual Report Form

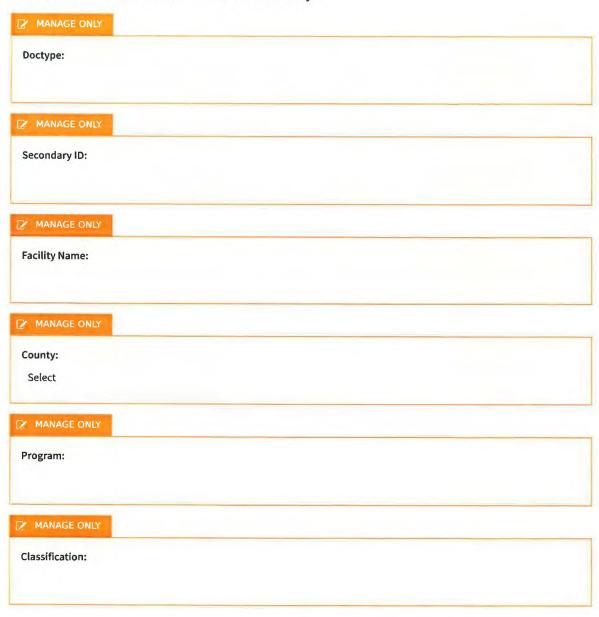
Cycle: Annual | Year: 2023 | Status: Verified

Member Name: Pixelle Specialty Solutions

Report due on April 1, 2022

Beneficial Use Program authorizations (General Permits, Individual Permits, LAMP Permits, and IAWAMPs) require the completion of annual reports by April 1st each year, unless otherwise indicated in your authorization.

E-DOCUMENT INFORMATION - Ohio EPA Use Only



SECTION 1 - PERMIT HOLDER INFORMATION

Business Name: *

Pixelle Specialty Solutions

Contact Person: *
Zachary Richard

Mailing Address: *
232 E. 8th St., Chillicothe, Ohio 45601

Physical Address: *
232 E. 8th St., Chillicothe, Ohio 45601

Email Address: *
zachary.richard@pixelle.com

Phone Number: *
7409938855

SECTION 2 - SAMPLING AND ANALYSIS

Material Type: *

Dredge Material DWTM - Lime DWTM - Alum Residuals Foundry Sand Gypsum

Sewage Sludge Incinerator Ash Other

Beneficial Use Category: *

Engineered Fill

Material Source (For multiple generators, attach additional rows to include each generator's information)

	Generator Name: *	Email Address *	Address: *	Contact Name: *	Phone Number: *
1	Pixelle Specialty Solutions	zachary.richard@pi xelle.com	232 E 8th St, Chillicothe, Ohio 45601	Zachary Richard	7409938855

General Fill

Other

Was routine testing required as a condition of your permit? *

Soil Blending

Yes

Land Application

No

Was testing required because the process for generating the material substantially changed during the reporting period? *

Yes

No

SECTION 3 - MATERIALS TRACKING

Material Type: *

Dredge Material DWTM - Lime DWTM - Alum Residuals Foundry Sand Gypsum

Sewage Sludge Incinerator Ash Other

Month	TOTAL AMOUNT OF MATERIAL RECEIVED OR GENERATED BY THE PERMITTEE (TONS)1 *	Total Amount Material Beneficially Used all Beneficial Use Sites (tons)2 *	
January	3,960.59	1,340.38	
February	3,643.19	1,514.92	
March	7,343.95	3,910.24	
April	6,322.25	3,070.49	
May	4,624.38	1,657.11	
June	7,622.11	2,985.10	
July	3,836.33	1,574.95	
August	3,929.66	1,338.54	
September	3,510.50	1,092.62	
October	5,602.29	2,670.54	
November	6,521.90	3,380.75	
December	2,787.72	1,519.89	
Cumulative Totals	59,704.87	26,055.53	

AMOUNT OF MATERIAL STORED AT ALL BENEFICIAL USE SITES (TONS) AT THE END OF THE CALENDAR YEAR 3 * 4,551.00

- 1 Enter the total monthly tonnage of material received or generated by the permittee during each month.
- 2 Enter the total monthly tonnage of material beneficially used at all beneficial use sites during each month.
- 3 Enter the total amount of material stored at all beneficial use sites at the end of the calendar year. Site specific amonts may be entered in Section 4

SECTION 4 - BENEFICIAL USE SITE INFORMATION (IF APPLICABLE)

For each beneficial use site, enter the annual amount of material received for storage, blending, or land application. Volume Stored means amount of material stored at the Beneficial Use Site as of the date of this report. Please refer to your permit for applicable location restrictions (e.g., streams, drinking water wells, occupied buildings, sensitive groundwater areas, etc.) for materials storage and land application and verify that each Beneficial Use Site meets these conditions

	Beneficial Use Site Name or ID	County	Latitude	Longitude	Parcel ID	Location Restrictions Met	Amount Received (tons)	Amount Stored (tons)
1	Layne Pit	Jackson	38°52'10. 60"N	-82°32'07 .35"W		Ye s	12,742.43	2,000.00
2	Broken Aro	Jackson	39°04'24. 41"N	-82°31'31 .30"W		Ye s	13,313.10	2,551.00

Please attach additional Beneficial Use site Information (if applicable)

No File Selected

Created: May 31, 2024 at 12:01 PM CDT

Zachary Richard

zachary.richard@pixelle.com

Last Updated: Jun 3, 2024 at 07:11 AM CDT

Christian Schumacher

christian.schumacher@epa.ohio.gov

Beneficial Use Annual Report Form

Cycle: Annual | Year: 2024 | Status: Completed

Member Name: Pixelle Specialty Solutions

Report due on April 1, 2022

Beneficial Use Program authorizations (General Permits, Individual Permits, LAMP Permits, and IAWAMPs) require the completion of annual reports by April 1st each year, unless otherwise indicated in your authorization.

E-DOCUMENT INFORMATION - Ohio EPA Use Only

Doctype:	
THE THE	
Secondary ID:	
- Annotati Chypy	
Facility Name:	
KHANAZE DAL F	
County:	
Select	
WWW.GEGWCA.	
Program:	
MARANTE ORLA	
Classification:	

Business Name: *

Pixelle Specialty Solutions

Contact Person: *

Zachary Richard

Mailing Address: *

232 E. 8th St., Chillicothe, Ohio 45601

Physical Address: *

232 E. 8th St., Chillicothe, Ohio 45601

Email Address: *

zachary.richard@pixelle.com

Phone Number: *

7409938855

SECTION 2 - SAMPLING AND ANALYSIS

Material Type: *

Dredge Material DWTM - Lime DWTM - Alum Residuals Foundry Sand Gypsum

Sewage Sludge Incinerator Ash Other

Beneficial Use Category: *

Land Application Soil Blending Engineered Fill General Fill Other

Material Source (For multiple generators, attach additional rows to include each generator's information)

	Generator Name:	Email Address *	Address: *	Contact Name: *	Phone Number: *
1	Pixelle Specialty Solutions	zachary.richard@ pixelle.com	232 E. 8th St., Chillicothe, OH 45601	Zachary Richard	740-993-8855

Was routine testing required as a condition of your permit? *

Yes No

Attach copies of all tests results provided by the testing laboratory. Report must list analytical methods utilized. *

Residuals Q3_Q4.zip

Yes



SECTION 3 - MATERIALS TRACKING

Material Type: *

Dredge Material DWTM - Lime DWTM - Alum Residuals Foundry Sand Gypsum

Sewage Sludge Incinerator Ash Other

Month	TOTAL AMOUNT OF MATERIAL RECEIVED OR GENERATED BY THE PERMITTEE (TONS)1 *	Total Amount Material Beneficially Used at all Beneficial Use Sites (tons)2 *
January	6,193.84	3,905.58
February	2,926.28	684.85
March	3,018.71	1,187.34
April	4,027.59	1,774.74
Мау	6,693.65	4,351.82
June	4,565.92	2,483.53
July	3,634.03	1,712.66
August	5,221.45	3,150.65
September	3,181.55	942.09
October	4,285.86	1,611.12
November	5,532.64	2,908.40
December	5,225.48	2,974.92
	54,507.00	27,687.70

AMOUNT OF MATERIAL STORED AT ALL BENEFICIAL USE SITES (TONS) AT THE END OF THE CALENDAR YEAR 3 \ast

0.00

1 Enter the total monthly tonnage of material received or generated by the permittee during each month.

- 2 Enter the total monthly tonnage of material beneficially used at all beneficial use sites during each month.
- 3 Enter the total amount of material stored at all beneficial use sites at the end of the calendar year. Site specific amonts may be entered in Section 4

SECTION 4 – BENEFICIAL USE SITE INFORMATION (IF APPLICABLE)

For each beneficial use site, enter the annual amount of material received for storage, blending, or land application. Volume Stored means amount of material stored at the Beneficial Use Site as of the date of this report. Please refer to your permit for applicable location restrictions (e.g., streams, drinking water wells, occupied buildings, sensitive groundwater areas, etc.) for materials storage and land application and verify that each Beneficial Use Site meets these conditions

	Beneficial Use Site Name or ID	County	Latitude	Longitude	Parcel ID	Location Restrictio ns Met	Amount Received (tons)	Amount Stored (tons)
1	Broken ARO 2	Jackson	30.07,2 0.20N	-82.31,3 1.19W		Yes No	2,697.9 0	0.00
2	Broken ARO 3	Jackson	30.04,2 4.41N	-82.31,3 1.30W		Yes No	11,809. 35	0.00
3	Layne Pit	Jackson	38.52,1 0.60N	-8232, 07.35W		Yes No	12,365. 98	0.00
4	Oak Hill Tipple Site 3	Jackson	38.55,3 4.26N	-82.34,0 4.93W		Yes No	814.48	0.00

Please attach additional Beneficial Use site Information (if applicable)

2024 Reclaim Site Approvals.pdf

Beneficial Use Annual Report Form

Pixelle Specialty Solutions - Annual | 2024

Nice Work!

This response is ready to submit. You can save a draft if you need to return to edit later, or mark complete to lock the response and submit it to the program.

Save as Draft

Mark Complete

Beneficial Use Annual Report Form

Pixelle Specialty Solutions - Annual | 2024

This response has error(s)

You must resolve all your errors before you can mark as complete.

Find and Fix Errors

Save as Draft
Created: Feb 26, 2025 at 09:52 AM CST
Zachary Richard
zachary.richard@pixelle.com

Last Updated: Mar 17, 2025 at 08:45 AM CDT

Zachary Richard

zachary.richard@pixelle.com



Stormwater Outfall Sign Photos

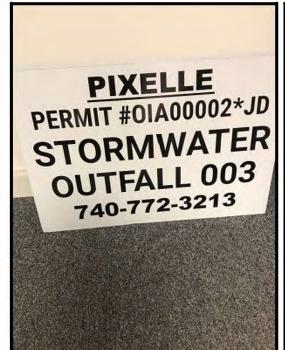
Outfalls 001, 003, 005, 007, 009 12/17/2020







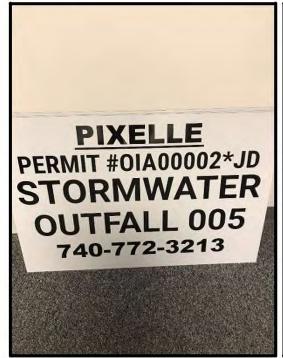


















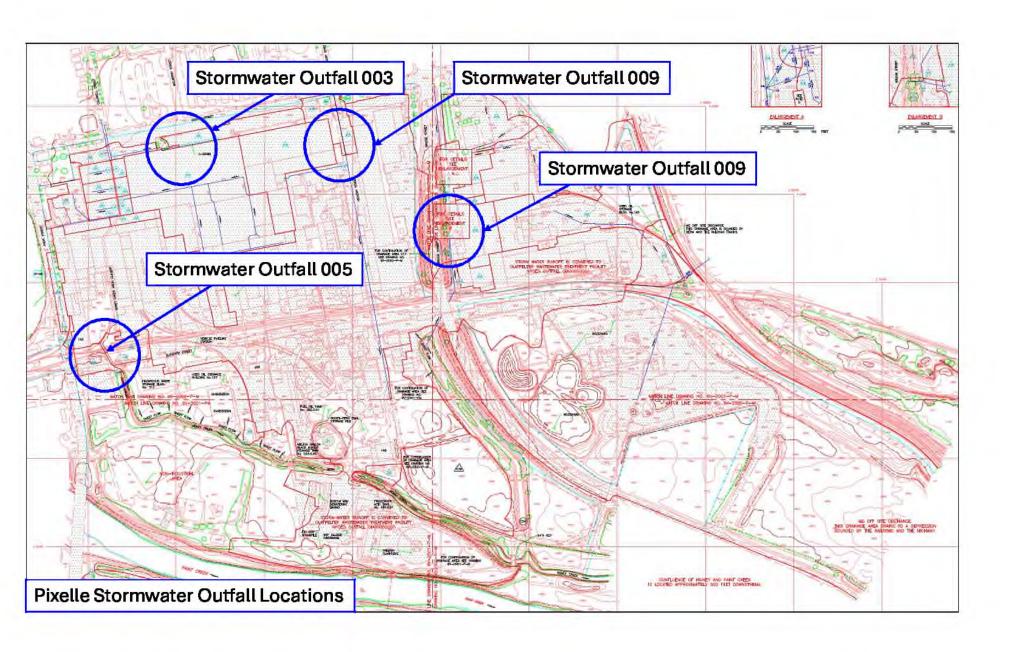


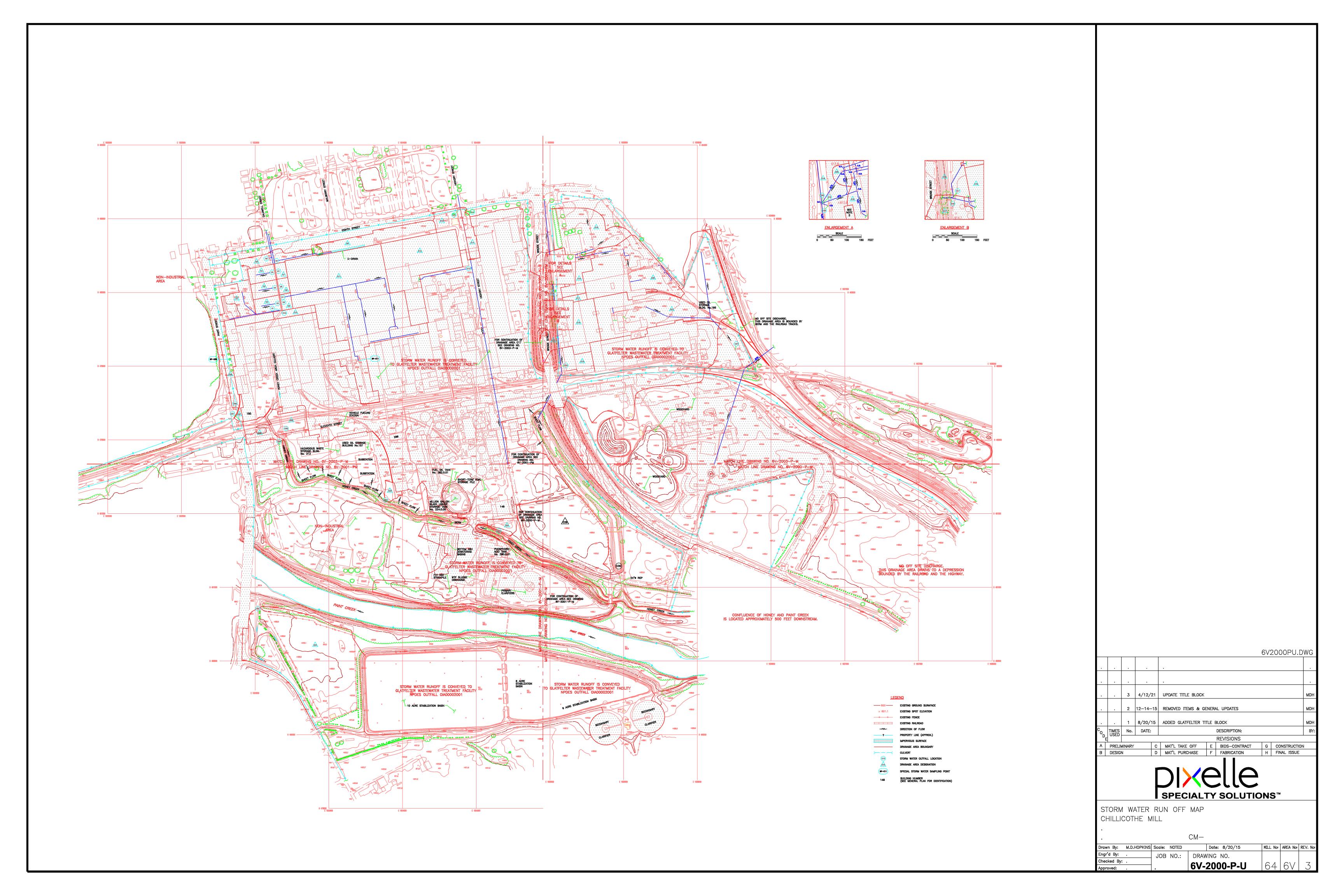












Laboratory Form L

In-House Sampling:

Parameter ,	Analytical testing methods used
BOD 37 - 74 MNH/	Composite SDay period
DO 5.0 LOW /	Daily
ISS 172 max 93 monthly	composite.
PH 9,0 Max	composity/(ontinuous
PH 6.5 Minimum	Composite /continuous
water Temperature	1 Day / Continuous
0.550v/ed 501/d5	Composite 3times/wK
	7
4	Yes No N/A
 a Quality assurance manual provided an 	d maintained?

		Yes	No	N/A
a.	Quality assurance manual provided and maintained?	10/		
b.	Does quality assurance manual contain SOPs for all sampling and analyses conducted on site?	Image: Control of the		
C.	If alternate procedures are used, are they U.S. EPA approved?	V	, 🗆	
d.	Are permit required parameters analyzed more frequently than required by the permit?	Ø		

7.4.4.11 WASTE TREATMENT PLANT DATA SUMMARY

Technician:	B DILLON			Sample Date:	7-15	
ň	lPDES Permit Lin	nits or Operating	Targets in RED	Analysis Date:	7-14	
	Primary Influent	Primary Effluent	ASB Effluent	Splitter Box	Final Effluent	
Flow					15.7	MG
Dissolved Oxygen			4.9	6.8	11.4 >4.0	mg/l
Temperature	89, °F				24	°C
pH	9.32	9.2			S. O 6.5-9.0	s.u
Conductivity	2290				1303	µmh
Color						Pt-C
Salt Cake	م الم					mg/
C.O.D.	206	<214,000 lbs/day	91		30	mg/
B.O.D. Total					<37	ong/
B.O.D. Dissolved						mg/
Total Suspended Solids (TSS)	448	142	1304	MLSS 1200-1500 2034	E <93	mg/
Total Volatile Solids (VSS)	74	72		MLVSS 1034	4	mg/
Pounds TSS to					1048	lbs
Total Dissolved Solids (TDS)					<2226	mg/
Settleable Solids Volumetric	ک	20		^{SVI} 270	D	ml/
Misc Sample Results	Chilpaco BOD	RAS 5708	372			mg
Quality Assurance Issue:	s:					1
	¥.					
•					. 0 1	