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

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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

August 14, 2024

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

RE: 16.2 Final Effluent (08-Wk1)

Dear Zachary Richard:

Order No.: 24080559

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.

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.
Analytical Laboratories

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#: **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 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, INC
Analytical Laboratories

Summit Environmental Technologies, In
3310 Win S
Cuyahoga Falls, Ohio 4422
TEL: (330) 253-8211 FAX: (330) 253-448
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

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° – 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
Analytical Laboratories

Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
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 SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
24080559-001	001 Final Effluent Paint Creek		8/6/2024 5:00:00 AM	8/8/2024 1:28:00 AM	Non-Potable Water

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC.
Analytical Laboratories

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

Analytical Report

(consolidated)

WO#: **24080559**

Date Reported: **8/14/2024**

CLIENT: Pixelle Specialty Solutions **Collection Date:** 8/6/2024 5:00:00 AM

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	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

Original

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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#: **24080559**

14-Aug-24

Client: Pixelle Specialty Solutions
Project: 16.2 Final Effluent (08-Wk1) **BatchID:** **R191156**

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** SeqNo: **5180061**

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** SampType: **RLC** TestCode: **AMMONIA_N** Units: **mg/L** Prep Date: RunNo: **191156**
Client ID: **BatchQC** Batch ID: **R191156** TestNo: **E350.1** Analysis Date: **8/12/2024** 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				

Sample ID: **RLC-0.5** SampType: **RLC** TestCode: **AMMONIA_N** Units: **mg/L** Prep Date: RunNo: **191156**
Client ID: **BatchQC** Batch ID: **R191156** TestNo: **E350.1** Analysis Date: **8/12/2024** SeqNo: **5180064**

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				

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
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	RL	Reporting Detection Limit	W	Sample container temperature is out of limit as spe

Original

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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#: **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**	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: **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**	TestCode: **AMMONIA_N**	Units: **mg/L**	Prep Date:	RunNo: **191156**
Client ID: **BatchQC**	Batch ID: **R191156**	TestNo: **E350.1**		Analysis Date: **8/12/2024**	SeqNo: **5180069**

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:

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 spe

Original

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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#: **24080559**

14-Aug-24

Client: Pixelle Specialty Solutions
Project: 16.2 Final Effluent (08-Wk1) **BatchID:** **R191156**

Sample ID: **24080541-003AMS** SampType: **MS** TestCode: **AMMONIA_N** Units: Prep Date: RunNo: **191156**
Client ID: **BatchQC** Batch ID: **R191156** TestNo: **E350.1** Analysis Date: **8/12/2024** 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: RunNo: **191156**
Client ID: **BatchQC** Batch ID: **R191156** TestNo: **E350.1** Analysis Date: **8/12/2024** 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: RunNo: **191156**
Client ID: **BatchQC** Batch ID: **R191156** TestNo: **E350.1** Analysis Date: **8/12/2024** 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: 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
Nitrogen, Ammonia	10.2	0.500	10.00	0.1000	101	90	110	10.06	0.890	20	

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 spe

Original

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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#: **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

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 spe

Original

DC-QACOC338 Rev. 4.3

Effective Date: 10/01/2019

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC.
3310 Win Street
Cuyahoga Falls, Ohio 44223
800-278-0140

Analysis Request / Chain of Custody

Refer to Terms and Conditions at www.settek.com

SET WO NO: For Summit Environmental Technologies, Inc. use only 24080559

Client Name	Pixelle Specialty Solutions
Client Street Address	232 E. 8th St
City State Zip	Chillicothe Ohio 45601
Client Phone	740-993-8855
Contact Person	Zachary E. Richard
Client Email Address	zachary.richard@pixelle.com
Sampled By *(Print Name and Provide Signature)*	Print: Bryant Dillon Sign:
For DW only, results to be reported to state by lab? If yes, lab fee may apply:	☐ Y ☐ N
Project Identification	16.2 Final Effluent (08-Wk1)
Project Street Address	232 E. 8th St
City State Zip	Chillicothe Ohio 45601
Report To	Zachary E. Richard
PO #	4500035913
Quote Number	
PWS ID	
Facility ID	
Reporting/Accreditation Requirements:	☐ Ohio VAP ☑ Ohio EPA Pb, Cu ☐ Drinking Water Compliance ☐ Other Compliance (List State/ Program):

Analytical Parameters and Methods Requested

#	Sample Point ID	Sample Identification	Date Collected	Time Collected	Grab Sample	Composite Sample	Matrix: S = Solid, SL = Sludge, L = Liquid, O = Oil, A = Air, NPW = Non-Potable Water, DW = Drinking Water	Preservation: 1) HNO3; 2) H2SO4; 3) HCl; 4) Zinc Acetate; 5) NaOH; 6) EDA; 7) none; 8) other (specify in comments)	Number of Containers per Sample	NH3									For DW Only: Special Compliance or Routine (S/R)
	001	Final Effluent Paint Creek	8/6/24	0500		✔	NPW	2	1	✔									

Relinquished by:	Date	Time	Received by:	Date	Time
	8-6	0600		8/7/24	0530
	8/7/24	0128			

Received at Summit by:	Date	Time	Carrier
	AUG 08 2024	0128	Summit

Rush Requested: _____ Day(s)
Must be approved by Lab Manager

Notes / Comments:
Weekly sampling.
4.6+0.0

Sufficient volume provided to run QC? ☐ YES ☑ NO

Cooler? ☑ YES ☐ NO

Received Temp.: 4.6 °C

Other Container:

Ice Present? ☑ YES ☐ NO ☐ MELTED

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC.
Analytical Laboratories

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

Client Name: PIX-OH-45601 Work Order Number: 24080559 RcptNo: 1

Logged by:	Anthony W. Britton	8/8/2024 1:28:00 AM	Anthony Britton
Completed By:	Anthony W. Britton	8/8/2024 1:57:03 PM	Anthony Britton
Reviewed By:	Jennifer Woolf	8/8/2024 2:26:16 PM	Jennifer Woolf

Chain of Custody

1. Is Chain of Custody complete? Yes ☑ No ☐ Not Present ☐
2. How was the sample delivered? Summit

Log In

3. Coolers are present? Yes ☑ No ☐ NA ☐
4. Shipping container/cooler in good condition? Yes ☑ No ☐
   Custody seals intact on shipping container/cooler? Yes ☐ No ☐ Not Present ☑
   No. Seal Date: Signed By:
5. Was an attempt made to cool the samples? Yes ☑ 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)? Yes ☑ No ☐
8. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
9. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
10. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
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 ☑
13. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes ☑ No ☐
14. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
15. Is it clear what analyses were requested? Yes ☑ No ☐
16. Were all holding times able to be met? (If no, notify customer for authorization.) Yes ☑ No ☐

Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date:
By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:
Client Instructions:

18. Additional remarks:

Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.6	Good	Not Present			

SUMMIT
ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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

August 20, 2024

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

RE: 16.2 Final Effluent (08-Wk2)

Dear Zachary Richard:

Order No.: 24081101

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.

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.
Analytical Laboratories

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#: **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 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, INC
Analytical Laboratories

Summit Environmental Technologies, In
3310 Win S
Cuyahoga Falls, Ohio 442
TEL: (330) 253-8211 FAX: (330) 253-44
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

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° – 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
Analytical Laboratories

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

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.
Analytical Laboratories

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	Qual	Units	DF	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**	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 HALIDES (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	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 specified at testcode		

Original

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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: **MB-77800** SampType: **MBLK** TestCode: **Mtl-ICP_NPW** Units: **mg/L** Prep Date: **8/15/2024** RunNo: **191494**
Client ID: **PBW** Batch ID: **77800** TestNo: **E200.7** **E200.7** Analysis Date: **8/16/2024** SeqNo: **5190008**

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** SampType: **LCS** TestCode: **Mtl-ICP_NPW** Units: **mg/L** Prep Date: **8/15/2024** RunNo: **191494**
Client ID: **LCSW** Batch ID: **77800** TestNo: **E200.7** **E200.7** Analysis Date: **8/16/2024** SeqNo: **5190009**

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:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area respons
ND	Not Detected	PL	Permit Limit	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

Original

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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** SampType: **LCSD** TestCode: **Mtl-ICP_NPW** Units: **mg/L** Prep Date: **8/15/2024** RunNo: **191494**
Client ID: **LCSS02** Batch ID: **77800** TestNo: **E200.7** **E200.7** Analysis Date: **8/16/2024** SeqNo: **5190010**

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:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area respons
ND	Not Detected	PL	Permit Limit	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

Original

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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:** **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**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.000200									

Sample ID: **LCS-77875**	SampType: **LCS**	TestCode: **HG_NPW(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**

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

Sample ID: **24081211-001AMS**	SampType: **MS**	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: **5192618**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00416	0.000200	0.00400	0	104	70	130				

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
Mercury	0.00415	0.000200	0.00400	0	104	70	130	0.00416	0.241	30	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area respons
ND	Not Detected	PL	Permit Limit	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

Original

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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:** **77875**

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

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area respons
ND	Not Detected	PL	Permit Limit	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

Original

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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:** **R191507**

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**

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				

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	%RPD	RPDLimit	Qual
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
Nitrogen, Ammonia	10.8	0.200	10.00	0	108	90	110				

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area respons
ND	Not Detected	PL	Permit Limit	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

Original

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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:** **R191507**

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
Nitrogen, Ammonia	ND	0.500									

Sample ID: **FILTERED BLANK** 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: **5188975**

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** TestCode: **AMMONIA_N** Units: **mg/L** Prep Date: RunNo: **191507**
Client ID: **BatchQC** Batch ID: **R191507** TestNo: **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** 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
Nitrogen, Ammonia	12.8	0.500	10.00	2.321	105	90	110				

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area respons
ND	Not Detected	PL	Permit Limit	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

Original

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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:** **R191507**

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** TestCode: **AMMONIA_N** Units: Prep Date: RunNo: **191507**
Client ID: **BatchQC** Batch ID: **R191507** TestNo: **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** 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: **5189100**

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** TestCode: **AMMONIA_N** Units: Prep Date: RunNo: **191507**
Client ID: **BatchQC** Batch ID: **R191507** TestNo: **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	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area respons
ND	Not Detected	PL	Permit Limit	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

Original

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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:** **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: **5189827**

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-R191546** SampType: **LCS** TestCode: **AOX_NPW(16** Units: **mg/L** Prep Date: RunNo: **191546**
Client ID: **LCSW** Batch ID: **R191546** TestNo: **E1650** Analysis Date: **8/19/2024** SeqNo: **5189828**

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** 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: **5189832**

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** 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
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	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area respons
ND	Not Detected	PL	Permit Limit	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

Original

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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:** **R191546**

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: **E1650** Analysis Date: **8/19/2024** SeqNo: **5190354**

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: **24080999-001AMS** SampType: **MS** 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: **5190356**

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				

Sample ID: **24080999-001AMSD** 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: **5190357**

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	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area respons
ND	Not Detected	PL	Permit Limit	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

Original

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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:** **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									

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area respons
ND	Not Detected	PL	Permit Limit	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

Original

DC-QACOC338 Rev. 4.3

Effective Date: 10/01/2019

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC.
3310 Win Street
Cuyahoga Falls, Ohio 44223
800-278-0140

Analysis Request / Chain of Custody

Refer to Terms and Conditions at www.settek.com

SET WO NO.: For Summit Environmental Technologies, Inc. use only 24081101

Client Name: Pixelle Specialty Solutions	Project Identification: 16.2 Final Effluent (08-Wk2)
Client Street Address: 232 E. 8th St	Project Street Address: 232 E. 8th St
Chillicothe Ohio 45601 (City State Zip)	Chillicothe Ohio 45601 (City State Zip)
Client Phone: 740-993-8855	Report To: Zachary E. Richard
Contact Person: Zachary E. Richard	PO #: 4500035913 / Quote Number:
Client Email Address: zachary.richard@pixelle.com	PWS ID: / Facility ID:
Sampled By (Print Name and Provide Signature) Print: Bryant Dillon Sign:	Reporting/Accreditation Requirements: ☐ Ohio VAP ☑ Ohio EPA Pb, Cu ☐ Drinking Water Compliance ☐ Other Compliance (List State/ Program):
For DW only, results to be reported to state by lab? If yes, lab fee may apply: ☐ Y ☐ N	

Analytical Parameters and Methods Requested

#	Sample Point ID	Sample Identification	Date Collected	Time Collected	Grab Sample	Composite Sample	Matrix: S = Solid, SL = Sludge, L = Liquid, O = Oil, A = Air, NPW = Non-Potable Water, DW = Drinking Water	Preservation: 1) HNO3; 2) H2SO4; 3) HCl; 4) Zinc Acetate; 5) NaOH; 6) EDA; 7) none; 8) other (specify in comments)	Number of Containers per Sample	NH3	AOX, (total halogens)	Se, Ba, Zn, Cd, Cu, P, Hg							For DW Only: Special Compliance or Routine (S/R)
	001	Final Effluent Paint Creek	8/13/24			✔	NPW	2	1	✔										
	001	Final Effluent Paint Creek	8/13/24			✔	NPW	2	1		✔									
	001	Final Effluent Paint Creek	8/13/24			✔	NPW	1	1			✔								

Relinquished by:	Date	Time	Received by:	Date	Time
	8-13	0600		8/14/24	0540
	8/15/24	0130			

Notes / Comments: Weekly sampling.

Sufficient volume provided to run QC? ☐ YES ☑ NO Cooler? ☑ YES ☐ NO

Received at Summit by:	Date	Time	Carrier
	8/15/24	0130	Summit

Rush Requested: _____ Day(s) Must be approved by Lab Manager

Received Temp.: 3.4 °C

Other Container: Ice Present? ☑ YES ☐ NO ☐ MELTED

3.4+0.0=

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC.
Analytical Laboratories

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

Client Name: PIX-OH-45601 Work Order Number: 24081101 RcptNo: 1

Logged by:	Christina N. Gemma	8/15/2024 1:30:00 AM	C. Gemma
Completed By:	Christina N. Gemma	8/15/2024 2:30:10 PM	C. Gemma
Reviewed By:	Jennifer Woolf	8/16/2024 5:23:09 PM	Jennifer Woolf

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Summit		

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
	Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
	No. Seal Date:	Signed By:		
5.	Was an attempt made to cool the samples?	Yes ☑	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)?	Yes ☑	No ☐	
8.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
9.	Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
10.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
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 ☑	
13.	Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
14.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
15.	Is it clear what analyses were requested?	Yes ☑	No ☐	
16.	Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

Special Handling (if applicable)

17.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: Date:
By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:
Client Instructions:

18. Additional remarks:

Cooler Information

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

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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

August 26, 2024

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

RE: 16.2 Final Effluent (08-Wk3)

Dear Zachary Richard:

Order No.: 24081617

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.

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.
Analytical Laboratories

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#: **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 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, INC
Analytical Laboratories

Summit Environmental Technologies, In
3310 Win S
Cuyahoga Falls, Ohio 442
TEL: (330) 253-8211 FAX: (330) 253-44
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

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° – 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
Analytical Laboratories

Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
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 SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
24081617-001	001 Final Effluent Paint Creek		8/20/2024 5:00:00 AM	8/22/2024 1:00:00 AM	Non-Potable Water

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC.
Analytical Laboratories

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**

CLIENT: Pixelle Specialty Solutions
Collection Date: 8/20/2024 5:00:00 AM
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	Qual	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

Original

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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: **24081530-001AMS** SampType: **MS** TestCode: **AMMONIA_N** Units: Prep Date: RunNo: **191923**
Client ID: **BatchQC** Batch ID: **R191923** TestNo: **E350.1** Analysis Date: **8/23/2024** SeqNo: **5200259**

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				

Sample ID: **24081530-001AMSD** 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: **5200260**

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** TestCode: **AMMONIA_N** Units: Prep Date: RunNo: **191923**
Client ID: **BatchQC** Batch ID: **R191923** TestNo: **E350.1** Analysis Date: **8/23/2024** SeqNo: **5200263**

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** 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
Nitrogen, Ammonia	10.8	0.500	10.00	0.1800	106	90	110	10.76	0.353	20	

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	S	Spike Recovery outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode				

Original

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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: **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

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	S	Spike Recovery outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode				

Original

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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: **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**	SampType: **RLC**	TestCode: **AMMONIA_D**	Units: **mg/L**	Prep Date:	RunNo: **191923**
Client ID: **BatchQC**	Batch ID: **R191923**	TestNo: **E350.1**		Analysis Date: **8/23/2024**	SeqNo: **5200164**

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**	SampType: **RLC**	TestCode: **AMMONIA_D**	Units: **mg/L**	Prep Date:	RunNo: **191923**
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
Nitrogen, Ammonia	0.590	0.500	0.5000	0	118	70	130				

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
Nitrogen, Ammonia	10.6	0.500	10.00	0	106	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	S	Spike Recovery outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode				

Original

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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

Sample ID: **24081642-001ADUP**	SampType: **DUP**	TestCode: **AMMONIA_D**	Units: **mg/L**	Prep Date:	RunNo: **191923**
Client ID: **BatchQC**	Batch ID: **R191923**	TestNo: **E350.1**		Analysis Date: **8/23/2024**	SeqNo: **5200168**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia	1.62	0.500						1.617	0.124	20	

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	S	Spike Recovery outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode				

Original

DC-QACOC338 Rev. 4.3

Effective Date 10/01/2019

Page 1 of 1

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC.
3310 Win Street
Cuyahoga Falls, Ohio 44223
800-275-0140

Analysis Request / Chain of Custody

Refer to Terms and Conditions at www.settek.com

SET WO NO.: For Summit Environmental Technologies, Inc. use only 24081017

Client Name: Pixelle Specialty Solutions	Project Identification: 16.2 Final Effluent (08-Wk3)
Client Street Address: 232 E. 8th St	Project Street Address: 232 E. 8th St
City: Chillicothe State: Ohio Zip: 45601	City: Chillicothe State: Ohio Zip: 45601
Client Phone: 740-99 3-8855	Report To: Zachary E. Richard
Contact Person: Zachary E. Richard	PO #: 4500035913 / Quote Number:
Client Email Address: zachary.richard@pixelle.com	PWS ID: / Facility ID:
Sampled By (Print Name and Provide Signature) Print: Bryant Dillon Sign:	Reporting/Accreditation Requirements: ☐ Ohio VAP ☑ Ohio EPA Pb, Cu ☐ Drinking Water Compliance ☐ Other Compliance (List State/ Program):
For DW only, results to be reported to state by lab? If yes, lab fee may apply: ☐ Y ☐ N	

Analytical Parameters and Methods Requested

#	Sample Point ID	Sample Identification	Date Collected	Time Collected	Grab Sample	Composite Sample	Matrix: S = Solid, SL = Sludge, L = Liquid, O = Oil, A = Air, NPW = Non-Potable Water, DW = Drinking Water	Preservation: 1) HNO3; 2) H2SO4; 3) HCl; 4) Zinc Acetate; 5) NaOH; 6) EDA; 7) none; 8) other (specify in comments)	Number of Containers per Sample	NH3									For DW Only: Special Compliance or Routine (S/R)
	001	Final Effluent Paint Creek	8/20/24	0500		✔	NPW	2	1	✔									

Relinquished by:	Date	Time	Received by:	Date	Time
	8-20	0600		8/21/24	0535
	8/22/24	0100			

Notes / Comments: Weekly sampling.

Sufficient volume provided to run QC? ☐ YES ☑ NO Cooler? ☐ YES ☐ NO

Received at Summit by:	Date	Time	Carrier
	8/22/24	0100	Summit

Rush Requested: _____ Day(s) Must be approved by Lab Manager

Received Temp.: 1.9 °C

Other Container:

Ice Present? ☑ YES ☐ NO ☐ MELTED

2-0-0-1=

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC.
Analytical Laboratories

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

Client Name: PIX-OH-45601 Work Order Number: 24081617 RcptNo: 1

Logged by:	Christina N. Gemma	8/22/2024 1:00:00 AM	C. Gemma
Completed By:	Christina N. Gemma	8/22/2024 12:39:57 PM	C. Gemma
Reviewed By:	Jennifer Woolf	8/22/2024 7:38:59 PM	Jennifer Woolf

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Summit		

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
	Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
	No. Seal Date:	Signed By:		
5.	Was an attempt made to cool the samples?	Yes ☑	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)?	Yes ☑	No ☐	
8.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
9.	Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
10.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
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 ☑	
13.	Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
14.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
15.	Is it clear what analyses were requested?	Yes ☑	No ☐	
16.	Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

Special Handling (if applicable)

17.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: Date:
By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:
Client Instructions:

18. Additional remarks:

Cooler Information

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

SUMMIT
ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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

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:

Order No.: 24082156

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.

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.
Analytical Laboratories

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#: **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 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, INC
Analytical Laboratories

Summit Environmental Technologies, In
3310 Win S
Cuyahoga Falls, Ohio 442
TEL: (330) 253-8211 FAX: (330) 253-44
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° – 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
Analytical Laboratories

Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
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

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC.
Analytical Laboratories

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#: **24082156**

Date Reported: **9/5/2024**

CLIENT: Pixelle Specialty Solutions
Collection Date: 8/27/2024 6:00:00 AM
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	Qual	Units	DF	Date Analyzed
PHOSPHORUS (EPA 200.7)				**E200.7**	**E200.7**	Analyst: **RJE**
Phosphorus(P)	0.299	0.250		mg/L	1	9/3/2024 6:16:00 PM
ABSORBABLE ORGANIC HALIDES (EPA 1650)				**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				**E350.1**		Analyst: **BJT**
Nitrogen, Ammonia	ND	0.500		mg/L	1	9/4/2024 2:45:00 PM

Qualifiers:

E	Value above quantitation range	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 specified at testcode		

Original

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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#: **24082156**

05-Sep-24

Client: Pixelle Specialty Solutions
Project: 16.2 Final Effluent (08-Wk4) **BatchID:** **78276**

Sample ID: **24082176-003AMS** SampType: **MS** TestCode: **Mtl-Phos_NP** Units: **mg/L** Prep Date: **8/30/2024** RunNo: **192479**
Client ID: **BatchQC** Batch ID: **78276** TestNo: **E200.7** **E200.7** Analysis Date: **9/3/2024** SeqNo: **5214007**

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** TestCode: **Mtl-Phos_NP** Units: **mg/L** Prep Date: **8/30/2024** RunNo: **192479**
Client ID: **BatchQC** Batch ID: **78276** TestNo: **E200.7** **E200.7** Analysis Date: **9/3/2024** SeqNo: **5214008**

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:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area respons
ND	Not Detected	PL	Permit Limit	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

Original

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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#: **24082156**
05-Sep-24

Client: Pixelle Specialty Solutions
Project: 16.2 Final Effluent (08-Wk4) **BatchID:** **R192400**

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_NPW(16** Units: **mg/L** Prep Date: RunNo: **192400**
Client ID: **LCSW** Batch ID: **R192400** TestNo: **E1650** Analysis Date: **8/30/2024** SeqNo: **5210308**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	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** 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: **5210310**

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** 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
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	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area respons
ND	Not Detected	PL	Permit Limit	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

Original

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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#: **24082156**
05-Sep-24

Client: Pixelle Specialty Solutions
Project: 16.2 Final Effluent (08-Wk4) **BatchID:** **R192400**

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**

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: **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**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Adsorbable Organic Halides	12.4	1.00	10.00	3.334	90.6	69	123				

Sample ID: **24082170-001AMSD** 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: **5210325**

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	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area respons
ND	Not Detected	PL	Permit Limit	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

Original

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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#: **24082156**

05-Sep-24

Client: Pixelle Specialty Solutions
Project: 16.2 Final Effluent (08-Wk4) **BatchID:** **R192400**

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**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Adsorbable Organic Halides	ND	0.100									

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area respons
ND	Not Detected	PL	Permit Limit	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

Original

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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#: **24082156**
05-Sep-24

Client: Pixelle Specialty Solutions
Project: 16.2 Final Effluent (08-Wk4) **BatchID:** **R192594**

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**

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

Sample ID: **FILTERED BLANK** 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: **5215113**

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** 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: **5215114**

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	126	70	130				

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
Nitrogen, Ammonia	0.500	0.500	0.5000	0	100	70	130				

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area respons
ND	Not Detected	PL	Permit Limit	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

Original

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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#: **24082156**
05-Sep-24

Client: Pixelle Specialty Solutions
Project: 16.2 Final Effluent (08-Wk4) **BatchID:** **R192594**

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** SampType: **LCS** TestCode: **AMMONIA_N** Units: **mg/L** Prep Date: RunNo: **192594**
Client ID: **LCSW** Batch ID: **R192594** TestNo: **E350.1** Analysis Date: **9/4/2024** SeqNo: **5215116**

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** TestCode: **AMMONIA_N** Units: **mg/L** Prep Date: RunNo: **192594**
Client ID: **LCSW** Batch ID: **R192594** TestNo: **E350.1** Analysis Date: **9/4/2024** SeqNo: **5215117**

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** 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: **5215125**

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	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area respons
ND	Not Detected	PL	Permit Limit	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

Original

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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#: **24082156**
05-Sep-24

Client: Pixelle Specialty Solutions
Project: 16.2 Final Effluent (08-Wk4) **BatchID:** **R192594**

Sample ID: **24082020-003AMS** 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: **5215128**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia	11.1	0.500	10.00	0.1730	109	90	110				

Sample ID: **24082020-003AMSD** 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: **5215129**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia	10.9	0.500	10.00	0.1730	107	90	110	11.05	1.53	20	

Sample ID: **24082186-001AMS** 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: **5215135**

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: **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
Nitrogen, Ammonia	10.9	0.500	10.00	0	109	90	110	10.72	1.54	20	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area respons
ND	Not Detected	PL	Permit Limit	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

Original

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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#: **24082156**
05-Sep-24

Client: Pixelle Specialty Solutions
Project: 16.2 Final Effluent (08-Wk4) **BatchID:** **R192594**

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** 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: **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** 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: **5215148**

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				

Sample ID: **LCS2-R192594** SampType: **LCS** TestCode: **AMMONIA_N** Units: **mg/L** Prep Date: RunNo: **192594**
Client ID: **LCSW** Batch ID: **R192594** TestNo: **E350.1** Analysis Date: **9/4/2024** SeqNo: **5215149**

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	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area respons
ND	Not Detected	PL	Permit Limit	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

Original

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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#: **24082156**
05-Sep-24

Client: Pixelle Specialty Solutions
Project: 16.2 Final Effluent (08-Wk4) **BatchID:** **R192594**

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**

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: **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** SeqNo: **5215165**

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	0.210	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
Nitrogen, Ammonia	ND	0.500						0	0	20	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area respons
ND	Not Detected	PL	Permit Limit	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

Original

DC-QAC-OC338 Rev 4.3

Effective Date: 10/01/2019

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC.

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

Analysis Request / Chain of Custody

Refer to Terms and Conditions at www.settek.com

SET WO NO.: For Summit Environmental Technologies, Inc. use only 2408 2159

Client Name: Pixelle Specialty Solutions	Project Identification: 16.2 Final Effluent (08-Wk4)
Client Street Address: 232 E. 8th St	Project Street Address: 232 E. 8th St
Chillico the Ohio 45601 (City State Zip)	Chillicothe Ohio 45601 (City State Zip)
Client Phone: 740-993-8855	Report To: Zachary E. Richard
Contact Person: Zachary E. Richard	PO #: 4500035913 / Quote Number:
Client Email Address: zachary.richard@pixelle.com	PWS ID: / Facility ID:
Sampled By (Print Name and Provide Signature) Print: Bryant Dillon Sign:	Reporting/Accreditation Requirements: ☐ Ohio VAP ☑ Ohio EPA Pb, Cu ☐ Drinking Water Compliance ☐ Other Compliance (List State/ Program):
For DW only, results to be reported to state by lab? If yes, lab fee may apply: ☐ Y ☐ N	

#	Sample Point ID	Sample Identification	Date Collected	Time Collected	Grab Sample	Composite Sample	Matrix: S = Solid, SL = Sludge, L = Liquid, O = Oil, A = Air, NPW = Non-Potable Water, DW = Drinking Water	Preservation: 1) HNO3; 2) H2SO4; 3) HCl; 4) Zinc Acetate; 5) NaOH; 6) EDA; 7) none; 8) other (specify in comments)	Number of Containers per Sample	Analytical Parameters and Methods Requested: NH3	AOX, (total halogens)	P							For DW Only: Special Compliance or Routine (S/R)
	001	Final Effluent Paint Creek	8/27/24	0600		✔	NPW	2	1	✔									
	001	Final Effluent Paint Creek	8/27/24	0600		✔	NPW	2	1		✔								
	001	Final Effluent Paint Creek	8/27/24	0600		✔	NPW	1	1			✔							

Relinquished by:	Date	Time	Received by:	Date	Time
	8-27	0630		8/28/24	0515
	8/29/24	0050			

Notes / Comments: Weekly sampling.

Sufficient volume provided to run QC? ☐ YES ☑ NO Cooler? ☑ YES ☐ NO

Received at Summit by:	Date	Time	Carrier
	8/29/24	0050	Summit

Rush Requested: _____ Day(s) Must be approved by Lab Manager

Received Temp: 3.5 °C

Other Container:

Ice Present? ☑ YES ☐ NO ☐ MELTED

3.6-0.1=

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC.
Analytical Laboratories

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

Client Name: PIX-OH-45601 Work Order Number: 24082156 RcptNo: 1

Logged by:	Christina N. Gemma	8/29/2024 12:50:00 AM	C. Gemma
Completed By:	Christina N. Gemma	8/29/2024 1:17:19 PM	C. Gemma
Reviewed By:	Jennifer Woolf	8/30/2024 9:53:44 AM	Jennifer Woolf

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Summit		

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
	Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
	No. Seal Date:	Signed By:		
5.	Was an attempt made to cool the samples?	Yes ☑	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)?	Yes ☑	No ☐	
8.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
9.	Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
10.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
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 ☑	
13.	Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
14.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
15.	Is it clear what analyses were requested?	Yes ☑	No ☐	
16.	Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

Special Handling (if applicable)

17.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: Date:
By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:
Client Instructions:

18. Additional remarks:

Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.5	Good	Not Present			

SUMMIT
ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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

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:

Order No.: 24080037

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.

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.
Analytical Laboratories

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 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, INC
Analytical Laboratories

Summit Environmental Technologies, In
3310 Win S
Cuyahoga Falls, Ohio 442
TEL: (330) 253-8211 FAX: (330) 253-44
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

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° – 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
Analytical Laboratories

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

Workorder Sample Summary

WO#: **24080037**

06-Aug-24

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

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.
Analytical Laboratories

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**

CLIENT: Pixelle Specialty Solutions
Collection Date: 7/30/2024 9:00:00 AM
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	Qual	Units	DF	Date Analyzed
HARDNESS BY CALCULATION (SM-2340-B)				**A2340B**	**E200.7**	Analyst: **RJE**
Hardness (As CaCO3)	272	200		mg/L	20	8/6/2024 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	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 specified at testcode

Original

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC.
Analytical Laboratories

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**

CLIENT: Pixelle Specialty Solutions
Collection Date: 7/30/2024 8:45:00 AM
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	Qual	Units	DF	Date Analyzed
HARDNESS BY CALCULATION (SM-2340-B)				**A2340B**	**E200.7**	Analyst: **RJE**
Hardness (As CaCO3)	329	200		mg/L	20	8/6/2024 12:36:00 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	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 specified at testcode

Original

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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#: **24080037**

06-Aug-24

Client: Pixelle Specialty Solutions
Project: 16.5 River Runs (07-Wk5) **BatchID:** **R190600**

Sample ID: **MB-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**

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-R190600** SampType: **RLC** 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: **5166269**

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** TestCode: **AMMONIA_N** Units: **mg/L** Prep Date: RunNo: **190600**
Client ID: **LCSW** Batch ID: **R190600** TestNo: **E350.1** Analysis Date: **8/2/2024** SeqNo: **5166270**

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** 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
Nitrogen, Ammonia	ND	0.500						0	0	20	

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

Original

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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#: **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** TestCode: **AMMONIA_N** Units: Prep Date: RunNo: **190600**
Client ID: **BatchQC** Batch ID: **R190600** TestNo: **E350.1** Analysis Date: **8/2/2024** SeqNo: **5166277**

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** TestCode: **AMMONIA_N** Units: Prep Date: RunNo: **190600**
Client ID: **BatchQC** Batch ID: **R190600** TestNo: **E350.1** Analysis Date: **8/2/2024** 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 BLANK** 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: **5166284**

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

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

Original

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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#: **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**

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	10.62	0.122	20	

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

Original

DC-QACOC338 Rev 4.3

Effective Date: 10/01/2019

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC.
3310 Win Street
Cuyahoga Falls, Ohio 44223
800-278-0140

Analysis Request / Chain of Custody

Refer to Terms and Conditions at www.settek.com

SET WO NO.: For Summit Environmental Technologies, Inc. use only 24060037

Client Name: Pixelle Specialty Solutions	Project Identification: 16.5 River Runs (07-Wk5)
Client Street Address: 232 E. 8th St	Project Street Address: 232 E. 8th St
Chillicothe Ohio 45601 (City State Zip)	Chillicothe Ohio 45601 (City State Zip)
Client Phone: 740-993-8855	Report To: Zachary E. Richard
Contact Person: Zachary E. Richard	PO #: 4500035913 / Quote Number:
Client Email Address: zachary.richard@pixelle.com	PWS ID: / Facility ID:
Sampled By (Print Name and Provide Signature) Print: Bryant Dillon Sign:	Reporting/Accreditation Requirements: ☐ Ohio VAP ☑ Ohio EPA Pb, Cu ☐ Drinking Water Compliance ☐ Other Compliance (List State/ Program):
For DW only, results to be reported to state by lab? If yes, lab fee may apply: ☐ Y ☐ N	

#	Sample Point ID	Sample Identification	Date Collected	Time Collected	Grab Sample	Composite Sample	Matrix: S = Solid, SL = Sludge, L = Liquid, O = Oil, A = Air, NPW = Non-Potable Water, DW = Drinking Water	Preservation: 1) HNO3; 2) H2SO4; 3) HCl; 4) Zinc Acetate; 5) NaOH; 6) EDA; 7) none; 8) other (specify in comments)	Number of Containers per Sample	Analytical Parameters and Methods Requested: NH3	Hardness								For DW Only: Special Compliance or Routine (S/R)
	802	Upper Paint Creek	7/30/24	0900	✔		NPW	2	1	✔									
	802	Upper Paint Creek	7/30/24	0900	✔		NPW	1	1		✔								
	902	Lower Paint Creek	7/30/24	0845	✔		NPW	2	1	✔									
	902	Lower Paint Creek	7/30/24	0845	✔		NPW	1	1		✔								

Relinquished by:	Date	Time	Received by:	Date	Time
	7/30	1000		7/31/24	0611
	8/1/24	0425			

Notes / Comments: Weekly sampling.

Sufficient volume provided to run QC? ☐ YES ☑ NO Cooler? ☑ YES ☐ NO

Received at Summit by:	Date	Time	Carrier
	8/1/24	0425	Summit

Rush Requested: _____ Day(s) Must be approved by Lab Manager

Received Temp.: 3.3 °C

Other Container: 1

Ice Present? ☑ YES ☐ NO ☐ MELTED

3.3+0.0=

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC.
Analytical Laboratories

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

Client Name: PIX-OH-45601 Work Order Number: 24080037 RcptNo: 1

Logged by:	Christina N. Gemma	8/1/2024 4:25:00 AM	C. Gemma
Completed By:	Christina N. Gemma	8/1/2024 1:16:38 PM	C. Gemma
Reviewed By:	Jennifer Woolf	8/1/2024 2:30:28 PM	Jennifer Woolf

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Summit		

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
	Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
	No. Seal Date:	Signed By:		
5.	Was an attempt made to cool the samples?	Yes ☑	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)?	Yes ☑	No ☐	
8.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
9.	Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
10.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
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 ☑	
13.	Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
14.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
15.	Is it clear what analyses were requested?	Yes ☑	No ☐	
16.	Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

Special Handling (if applicable)

17.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: Date:
By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:
Client Instructions:

18. Additional remarks:

Cooler Information

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

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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

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:

Order No.: 24080561

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.

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.
Analytical Laboratories

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 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, INC
Analytical Laboratories

Summit Environmental Technologies, In
3310 Win S
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

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° – 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
Analytical Laboratories

Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
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 SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
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

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC.
Analytical Laboratories

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

Analytical Report

(consolidated)

WO#: **24080561**

Date Reported: **8/14/2024**

CLIENT: Pixelle Specialty Solutions
Collection Date: 8/6/2024 9:00:00 AM
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	Qual	Units	DF	Date Analyzed
HARDNESS BY CALCULATION (SM-2340-B)				**A2340B**	**E200.7**	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	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 specified at testcode

Original

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC.
Analytical Laboratories

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

Analytical Report

(consolidated)

WO#: **24080561**

Date Reported: **8/14/2024**

CLIENT: Pixelle Specialty Solutions
Collection Date: 8/6/2024 8:45:00 AM
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	Qual	Units	DF	Date Analyzed
HARDNESS BY CALCULATION (SM-2340-B)				**A2340B**	**E200.7**	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

Original

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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#: **24080561**

14-Aug-24

Client: Pixelle Specialty Solutions
Project: 16.5 River Runs (08-Wk1) **BatchID:** **R191156**

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** SeqNo: **5180061**

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** SampType: **RLC** TestCode: **AMMONIA_N** Units: **mg/L** Prep Date: RunNo: **191156**
Client ID: **BatchQC** Batch ID: **R191156** TestNo: **E350.1** Analysis Date: **8/12/2024** 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				

Sample ID: **RLC-0.5** SampType: **RLC** TestCode: **AMMONIA_N** Units: **mg/L** Prep Date: RunNo: **191156**
Client ID: **BatchQC** Batch ID: **R191156** TestNo: **E350.1** Analysis Date: **8/12/2024** SeqNo: **5180064**

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				

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
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	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode				

Original

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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#: **24080561**

14-Aug-24

Client: Pixelle Specialty Solutions
Project: 16.5 River Runs (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** 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: **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** TestCode: **AMMONIA_N** Units: **mg/L** Prep Date: RunNo: **191156**
Client ID: **BatchQC** Batch ID: **R191156** TestNo: **E350.1** Analysis Date: **8/12/2024** SeqNo: **5180069**

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:

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	S	Spike Recovery outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode				

Original

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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#: **24080561**

14-Aug-24

Client: Pixelle Specialty Solutions
Project: 16.5 River Runs (08-Wk1) **BatchID:** **R191156**

Sample ID: **24080541-003AMS** SampType: **MS** TestCode: **AMMONIA_N** Units: Prep Date: RunNo: **191156**
Client ID: **BatchQC** Batch ID: **R191156** TestNo: **E350.1** Analysis Date: **8/12/2024** 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: RunNo: **191156**
Client ID: **BatchQC** Batch ID: **R191156** TestNo: **E350.1** Analysis Date: **8/12/2024** 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: RunNo: **191156**
Client ID: **BatchQC** Batch ID: **R191156** TestNo: **E350.1** Analysis Date: **8/12/2024** 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: 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
Nitrogen, Ammonia	10.2	0.500	10.00	0.1000	101	90	110	10.06	0.890	20	

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	S	Spike Recovery outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode				

Original

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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#: **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

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	S	Spike Recovery outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode				

Original

DC-QACOC338 Rev. 4.3

Effective Date: 10/01/2019

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC.
3310 Win Street
Cuyahoga Falls, Ohio 44223
800-278-0140

Analysis Request / Chain of Custody

Refer to Terms and Conditions at www.settek.com

For Summit Environmental Technologies, Inc. use only
SET WO NO.: 24080561

Client Name: Pixelle Specialty Solutions	Project Identification: 16.5 River Runs (08-Wk1)
Client Street Address: 232 E. 8th St	Project Street Address: 232 E. 8th St
City: Chillicothe State: Ohio Zip: 45601	City: Chillicothe State: Ohio Zip: 45601
Client Phone: 740-993-8855	Report To: Zachary E. Richard
Contact Person: Zachary E. Richard	PO #: 4500035913 Quote Number:
Client Email Address: zachary.richard@pixelle.com	PWS ID: Facility ID:
Sampled By (Print Name and Provide Signature) Print: Bryant Dillon Sign:	Reporting/Accreditation Requirements: ☐ Ohio VAP ☑ Ohio EPA Pb, Cu ☐ Drinking Water Compliance ☐ Other Compliance (List State/ Program):
For DW only, results to be reported to state by lab? If yes, lab fee may apply: ☐ Y ☐ N	

Analytical Parameters and Methods Requested

#	Sample Point ID	Sample Identification	Date Collected	Time Collected	Grab Sample	Composite Sample	Matrix: S = Solid, SL = Sludge, L = Liquid, O = Oil, A = Air, NPW = Non-Potable Water, DW = Drinking Water	Preservation: 1) HNO3; 2) H2SO4; 3) HCl; 4) Zinc Acetate; 5) NaOH; 6) EDA; 7) none; 8) other (specify in comments)	Number of Containers per Sample	NH3	Hardness	For DW Only: Special Compliance or Routine (S/R)
	802	Upper Paint Creek	8/6/24	0900	✔		NPW	2	1	✔		
	802	Upper Paint Creek	8/6/24	0900	✔		NPW	1	1		✔	
	902	Lower Paint Creek	8/6/24	0845	✔		NPW	2	1	✔		
	902	Lower Paint Creek	8/6/24	0845	✔		NPW	1	1		✔	

Relinquished by:	Date	Time	Received by:	Date	Time
	8-6	1000			
	8/7/24	0128		8/7/24	0530

Notes / Comments:
Weekly sampling.
4.6 +0.0

Sufficient volume provided to run QC? ☐ YES ☑ NO Cooler? ☑ YES ☐ NO

Received at Summit by:	Date	Time	Carrier
	AUG 08 2024	0128	Summit

Rush Requested: _____ Day(s)
Must be approved by Lab Manager

Received Temp.: 4.6 °C

Other Container:
Ice Present? ☑ YES ☐ NO ☐ MELTED

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC.
Analytical Laboratories

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

Client Name: PIX-OH-45601 Work Order Number: 24080561 RcptNo: 1

Logged by:	Anthony W. Britton	8/8/2024 1:28:00 AM	Anthony Britton
Completed By:	Anthony W. Britton	8/8/2024 2:00:56 PM	Anthony Britton
Reviewed By:	Jennifer Woolf	8/8/2024 2:29:52 PM	Jennifer Woolf

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Summit		

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
	Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
	No. Seal Date:	Signed By:		
5.	Was an attempt made to cool the samples?	Yes ☑	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)?	Yes ☑	No ☐	
8.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
9.	Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
10.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
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 ☑	
13.	Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
14.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
15.	Is it clear what analyses were requested?	Yes ☑	No ☐	
16.	Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

Special Handling (if applicable)

17.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: Date:
By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:
Client Instructions:

18. Additional remarks:

Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.6	Good	Not Present			

SUMMIT
ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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

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:

Order No.: 24081099

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.

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.
Analytical Laboratories

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#: **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 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, INC
Analytical Laboratories

Summit Environmental Technologies, In
3310 Win S
Cuyahoga Falls, Ohio 442
TEL: (330) 253-8211 FAX: (330) 253-44
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

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° – 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
Analytical Laboratories

Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
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

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC.
Analytical Laboratories

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**

CLIENT: Pixelle Specialty Solutions
Collection Date: 8/13/2024 6:00:00 AM
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	Qual	Units	DF	Date Analyzed
HARDNESS BY CALCULATION (SM-2340-B)				**A2340B**	**E200.7**	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	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 specified at testcode

Original

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC.
Analytical Laboratories

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**

CLIENT: Pixelle Specialty Solutions
Collection Date: 8/13/2024 6:00:00 AM
Project: 16.5 River Runs (08-Wk2)
Lab ID: 24081099-002
Matrix: NON-POTABLE WATER
Client Sample ID: 902 Lower Paint Creek

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HARDNESS BY CALCULATION (SM-2340-B)				**A2340B**	**E200.7**	Analyst: **RJE**
Hardness (As CaCO3)	305	200		mg/L	20	8/20/2024 2:08:00 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

Original

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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#: **24081099**

21-Aug-24

Client: Pixelle Specialty Solutions
Project: 16.5 River Runs (08-Wk2) **BatchID:** **R191507**

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**

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				

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	%RPD	RPDLimit	Qual
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
Nitrogen, Ammonia	10.8	0.200	10.00	0	108	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

Original

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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#: **24081099**

21-Aug-24

Client: Pixelle Specialty Solutions
Project: 16.5 River Runs (08-Wk2) **BatchID:** **R191507**

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
Nitrogen, Ammonia	ND	0.500									

Sample ID: **FILTERED BLANK** 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: **5188975**

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** TestCode: **AMMONIA_N** Units: **mg/L** Prep Date: RunNo: **191507**
Client ID: **BatchQC** Batch ID: **R191507** TestNo: **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** 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
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

Original

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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#: **24081099**

21-Aug-24

Client: Pixelle Specialty Solutions
Project: 16.5 River Runs (08-Wk2) **BatchID:** **R191507**

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** TestCode: **AMMONIA_N** Units: Prep Date: RunNo: **191507**
Client ID: **BatchQC** Batch ID: **R191507** TestNo: **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** SampType: **MS** TestCode: **AMMONIA_N** Units: Prep Date: RunNo: **191507**
Client ID: **802 Upper Paint Cre** Batch ID: **R191507** TestNo: **E350.1** Analysis Date: **8/16/2024** SeqNo: **5189100**

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** TestCode: **AMMONIA_N** Units: Prep Date: RunNo: **191507**
Client ID: **802 Upper Paint Cre** Batch ID: **R191507** TestNo: **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:

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

Original

DC-QACOC338 Rev 4.3

Effective Date: 10/01/2019

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC.
3310 Win Street
Cuyahoga Falls, Ohio 44223
800-278-0140

Analysis Request / Chain of Custody

Refer to Terms and Conditions at www.settek.com

SET WO NO.: For Summit Environmental Technologies, Inc. use only 24061099

Client Name: Pixelle Specialty Solutions	Project Identification: 16.5 River Runs (08-Wk2)
Client Street Address: 232 E. 8th St Chillicothe Ohio 45601 City State Zip	Project Street Address: 232 E. 8th St Chillicothe Ohio 45601 City State Zip
Client Phone: 740-993-8855	Report To: Zachary E. Richard
Contact Person: Zachary E. Richard	PO #: 4500035913 / Quote Number:
Client Email Address: zachary.richard@pixelle.com	PWS ID: / Facility ID:
Sampled By (Print Name and Provide Signature) Print: Bryant Dillon Sign:	Reporting/Accreditation Requirements: ☐ Ohio VAP ☑ Ohio EPA Pb, Cu ☐ Drinking Water Compliance ☐ Other Compliance (List State/ Program):
For DW only, results to be reported to state by lab? If yes, lab fee may apply: ☐ Y ☐ N	

#	Sample Point ID	Sample Identification	Date Collected	Time Collected	Grab Sample	Composite Sample	Matrix: S = Solid, SL = Sludge, L = Liquid, O = Oil, A = Air, NPW = Non-Potable Water, DW = Drinking Water	Preservation: 1) HNO3; 2) H2SO4; 3) HCl; 4) Zinc Acetate; 5) NaOH; 6) EDA; 7) none; 8) other (specify in comments)	Number of Containers per Sample	Analytical Parameters and Methods Requested: NH3	Hardness								For DW Only: Special Compliance or Routine (S/R)
	802	Upper Paint Creek	8/13/24	0800	✔		NPW	2	1	✔									
	802	Upper Paint Creek	8/13/24	0800	✔		NPW	1	1		✔								
	902	Lower Paint Creek	8/13/24	0600	✔		NPW	2	1	✔									
	902	Lower Paint Creek	8/13/24	0600	✔		NPW	1	1		✔								

Relinquished by:	Date	Time	Received by:	Date	Time
	8-13	0600		8/14/24	0540
	8/15/24	0130			

Notes / Comments: Weekly sampling.

Sufficient volume provided to run QC? ☐ YES ☑ NO Cooler? ☑ YES ☐ NO

Received at Summit by:	Date	Time	Carrier
	8/15/24	0130	Summit

Rush Requested: _____ Day(s) Must be approved by Lab Manager

Received Temp.: 3.4 °C

Other Container:

Ice Present? ☑ YES ☐ NO ☐ MELTED

3.4+0.0=

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC.
Analytical Laboratories

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

Client Name: PIX-OH-45601 Work Order Number: 24081099 RcptNo: 1

Logged by:	Christina N. Gemma	8/15/2024 1:30:00 AM	C. Gemma
Completed By:	Christina N. Gemma	8/15/2024 2:22:50 PM	C. Gemma
Reviewed By:	Jennifer Woolf	8/16/2024 5:10:50 PM	Jennifer Woolf

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Summit		

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
	Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
	No. Seal Date:	Signed By:		
5.	Was an attempt made to cool the samples?	Yes ☑	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)?	Yes ☑	No ☐	
8.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
9.	Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
10.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
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 ☑	
13.	Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
14.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
15.	Is it clear what analyses were requested?	Yes ☑	No ☐	
16.	Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

Special Handling (if applicable)

17.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: Date:
By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:
Client Instructions:

18. Additional remarks:

Cooler Information

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

SUMMIT
ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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

August 27, 2024

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

RE: 16.5 River Runs (08-Wk3)

Dear Zachary Richard:

Order No.: 24081620

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.

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.
Analytical Laboratories

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#: **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 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, INC
Analytical Laboratories

Summit Environmental Technologies, In
3310 Win S
Cuyahoga Falls, Ohio 442
TEL: (330) 253-8211 FAX: (330) 253-44
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

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° – 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
Analytical Laboratories

Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
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.
Analytical Laboratories

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**

CLIENT: Pixelle Specialty Solutions
Collection Date: 8/20/2024 9:00:00 AM
Project: 16.5 River Runs (08-Wk3)
Lab ID: 24081620-001
Matrix: NON-POTABLE WATER
Client Sample ID: 802 Upper Paint Creek

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HARDNESS BY CALCULATION (SM-2340-B)				**A2340B**	**E200.7**	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

Original

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC.
Analytical Laboratories

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**

CLIENT: Pixelle Specialty Solutions
Collection Date: 8/20/2024 8:45:00 AM
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	Qual	Units	DF	Date Analyzed
HARDNESS BY CALCULATION (SM-2340-B)				**A2340B**	**E200.7**	Analyst: **RJE**
Hardness (As CaCO3)	311	200		mg/L	20	8/27/2024 11:30:00 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	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 specified at testcode

Original

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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**

27-Aug-24

Client: Pixelle Specialty Solutions
Project: 16.5 River Runs (08-Wk3) **BatchID:** **R191923**

Sample ID: **24081530-001AMS** SampType: **MS** TestCode: **AMMONIA_N** Units: Prep Date: RunNo: **191923**
Client ID: **BatchQC** Batch ID: **R191923** TestNo: **E350.1** Analysis Date: **8/23/2024** SeqNo: **5200259**

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				

Sample ID: **24081530-001AMSD** 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: **5200260**

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** TestCode: **AMMONIA_N** Units: Prep Date: RunNo: **191923**
Client ID: **BatchQC** Batch ID: **R191923** TestNo: **E350.1** Analysis Date: **8/23/2024** SeqNo: **5200263**

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** 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
Nitrogen, Ammonia	10.8	0.500	10.00	0.1800	106	90	110	10.76	0.353	20	

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	S	Spike Recovery outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode				

Original

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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**

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

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	S	Spike Recovery outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode				

Original

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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**

27-Aug-24

Client: Pixelle Specialty Solutions
Project: 16.5 River Runs (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**	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**	SampType: **RLC**	TestCode: **AMMONIA_D**	Units: **mg/L**	Prep Date:	RunNo: **191923**
Client ID: **BatchQC**	Batch ID: **R191923**	TestNo: **E350.1**		Analysis Date: **8/23/2024**	SeqNo: **5200164**

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**	SampType: **RLC**	TestCode: **AMMONIA_D**	Units: **mg/L**	Prep Date:	RunNo: **191923**
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
Nitrogen, Ammonia	0.590	0.500	0.5000	0	118	70	130				

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
Nitrogen, Ammonia	10.6	0.500	10.00	0	106	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	S	Spike Recovery outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode				

Original

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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**

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

Sample ID: **24081642-001ADUP**	SampType: **DUP**	TestCode: **AMMONIA_D**	Units: **mg/L**	Prep Date:	RunNo: **191923**
Client ID: **BatchQC**	Batch ID: **R191923**	TestNo: **E350.1**		Analysis Date: **8/23/2024**	SeqNo: **5200168**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia	1.62	0.500						1.617	0.124	20	

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	S	Spike Recovery outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode				

Original

DC-QAC0C338 Rev 4.3

Effective Date: 10/01/2019

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC.
3310 Win Street
Cuyahoga Falls, Ohio 44223
800-278-0140

Analysis Request / Chain of Custody

Refer to Terms and Conditions at www.settek.com

SET WO NO.: For Summit Environmental Technologies, Inc. use only 24081620

Client Name: Pixelle Specialty Solutions	Project Identification: 16.5 River Runs (08-Wk3)
Client Street Address: 232 E. 8th St	Project Street Address: 232 E. 8th St
City: Chillicothe State: Ohio Zip: 45601	City: Chillicothe State: Ohio Zip: 45601
Client Phone: 740-993-8855	Report To: Zachary E. Richard
Contact Person: Zachary E. Richard	PO #: 4500035913 / Quote Number:
Client Email Address: zachary.richard@pixelle.com	PWS ID: / Facility ID:
Sampled By (Print Name and Provide Signature) Print: Bryant Dillon Sign:	Reporting/Accreditation Requirements: ☐ Ohio VAP ☑ Ohio EPA Pb, Cu ☐ Drinking Water Compliance ☐ Other Compliance (List State/ Program):
For DW only, results to be reported to state by lab? If yes, lab fee may apply: ☐ Y ☐ N	

#	Sample Point ID	Sample Identification	Date Collected	Time Collected	Grab Sample	Composite Sample	Matrix: S = Solid, SL = Sludge, L = Liquid, O = Oil, A = Air, NPW = Non-Potable Water, DW = Drinking Water	Preservation: 1) HNO3; 2) H2SO4; 3) HCl; 4) Zinc Acetate; 5) NaOH; 6) EDA; 7) none; 8) other (specify in comments)	Number of Containers per Sample	Analytical Parameters and Methods Requested: NH3	Hardness	For DW Only: Special Compliance or Routine (S/R)
	802	Upper Paint Creek	8/20/24	0900	✔		NPW	2	1	✔		
	802	Upper Paint Creek	8/20/24	0900	✔		NPW	1	1		✔	
	902	Lower Paint Creek	8/20/24	0845	✔		NPW	2	1	✔		
	902	Lower Paint Creek	8/20/24	0845	✔		NPW	1	1		✔	

Relinquished by:	Date	Time	Received by:	Date	Time
	8-20	0930		8/21/24	0530
	8/22/24	0100			

Notes / Comments: Weekly sampling.

Sufficient volume provided to run QC? ☐ YES ☒ NO Cooler? ☒ YES ☐ NO

Received at Summit by:	Date	Time	Carrier
	8/22/24	0100	summit

Rush Requested: _____ Day(s) Must be approved by Lab Manager

Received Temp.: 1.9 °C

Other Container: Ice Present? ☒ YES ☐ NO ☐ MELTED

20-0.1=

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC.
Analytical Laboratories

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

Client Name: PIX-OH-45601 Work Order Number: 24081620 RcptNo: 1

Logged by:	Christina N. Gemma	8/22/2024 1:00:00 AM	C. Gemma
Completed By:	Christina N. Gemma	8/22/2024 12:51:17 PM	C. Gemma
Reviewed By:	Jennifer Woolf	8/22/2024 7:40:55 PM	Jennifer Woolf

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Summit		

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
	Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
	No. Seal Date:	Signed By:		
5.	Was an attempt made to cool the samples?	Yes ☑	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)?	Yes ☑	No ☐	
8.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
9.	Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
10.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
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 ☑	
13.	Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
14.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
15.	Is it clear what analyses were requested?	Yes ☑	No ☐	
16.	Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

Special Handling (if applicable)

17.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: Date:
By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:
Client Instructions:

18. Additional remarks:

Cooler Information

Cooler No	Temp °C	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 6th & 7th, 2025 (303, 233 mg/L)
- February 8th, 2025 (185 mg/L)
- March 3rd, 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 10th, 2025	Initial discussions by Pixelle ENV & Ops staff concerning WWTP issues. Initiated review of WWTP process data.
March 11th, 2025	Developed an initial WWTP process review and an initial plan to increase sludge wasting rates and improve process solids balance.
March 12th-14th, 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 18th-19th, 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 20th, 2025	Detailed mill investigation of WWTP exceedance root causes.
March 26th- 27th, 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

Chuck Kraske

Pixelle Environmental Systems Manager

Division of Surface Water
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:	sedo24hournpdes@epa.state.oh.us
Southwest District Office:	swdo24hournpdes@epa.state.oh.us
Northwest District Office:	nwdo24hournpdes@epa.state.oh.us
Northeast District Office:	nedo24hournpdes@epa.state.oh.us
Central District Office:	cdo24hournpdes@epa.state.oh.us
Central Office:	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:	1. 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. 2. 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):	1. 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 an 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

Division of Surface Water
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.

Division of Surface Water
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:	sedo24hournpdes@epa.state.oh.us
Southwest District Office:	swdo24hournpdes@epa.state.oh.us
Northwest District Office:	nwdo24hournpdes@epa.state.oh.us
Northeast District Office:	nedo24hournpdes@epa.state.oh.us
Central District Office:	cdo24hournpdes@epa.state.oh.us
Central Office:	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):	268 mg/L
Cause of exceedance	
Provide an explanation for the cause of the permit limit exceedance:	1. #2 RAS Pump (M4146) went down at 8:13 AM for 20 minutes. 2. #1 RAS Pump (M4145) and #3 RAS Pump (M4147) were running at this time; #4 RAS Pump (M4148) was already down. 3. With the trip of #2 RAS Pump, there were only 2 RAS pumps operating during that 20 minute period. 4. 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. 5. There was a quick surge in flow to both clarifiers at approx. 10:00 AM. 6. 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 Surface Water
Non-compliance Notification for
Exceedance of a Daily Maximum Discharge Limit

Steps to address exceedance	
Describe all the steps taken to reduce, eliminate, or prevent future occurrence of the exceedance(s):	1. The cause of #2 RAS Pump trip was investigated but was not finally 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.

Division of Surface Water
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:	sedo24hournpdes@epa.state.oh.us
Southwest District Office:	swdo24hournpdes@epa.state.oh.us
Northwest District Office:	nwdo24hournpdes@epa.state.oh.us
Northeast District Office:	nedo24hournpdes@epa.state.oh.us
Central District Office:	cdo24hournpdes@epa.state.oh.us
Central Office:	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):	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):	1. Power system inspected. Restarted #3 RAS Pump on 3/13/25 at approx. 9:00 PM. Started pulling more solids from clarifiers. 2. Flow put back to #2 East Clarifier on 3/14/25. 3. 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. 4. Clarifier loads decreased to normal levels by 3/18/25 at 3:30 PM. 5. 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. 6. Rental Belt Press on-site and operating as of 3/20/25. Ongoing operations to manage overall solids balance.
Additional Information	
Event-specific notes	A. 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.

Division of Surface Water
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:	sedo24hournpdes@epa.state.oh.us
Southwest District Office:	swdo24hournpdes@epa.state.oh.us
Northwest District Office:	nwdo24hournpdes@epa.state.oh.us
Northeast District Office:	nedo24hournpdes@epa.state.oh.us
Central District Office:	cdo24hournpdes@epa.state.oh.us
Central Office:	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):	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:	1. 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. 2. 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. 3. 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):	1. Polymer flow re-established. Operators visibly verifying polymer flow daily. 2. Sludge judge measurements initiated once/shift. 3. 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	QSTABI	1M,WESTVACO WWTP, MCR101, S/N 3471	UTLEI
6148	1001784	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	QSTABI	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	QSTABI	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 INSP.-PRI.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&#5 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	4133904
CONV, WEST RECTANGULAR LONG DRAG	4124553
CONV, WEST RECTANGULAR SHORT DRAG	
AIR PUR,WESTVACO UNIT INST SHOP OCR	4133717
PVF,STM HTR	4132737
WASTE WATER TREATMENT PLANT (WWTP)	4133806
DEWATERING PRESS, 6 SLUDGE(WEST UNIT)	4132409
CONV, WEST CROSS-COLLECTOR DRAG	4124554
1 MILL WASTE WATER STA	4095587
WASTE TREATMENT PLANT	4095600
SECONDARY WASTE TREAT CHEMICAL	4095603
WASTE TREATMENT CHEMICAL	4095605
WASTE TREAT TRUCK BAY	4095607
ANALYZER, CLO2 & H2S MONIT. WWTP CTRL RM	4133814
WASTE WATER TREATMENT PLANT (WWTP)	4132025
AIR PUR,WESTVACO UNIT, BLDG 328,T-154	4065998
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.

E-DOCUMENT INFORMATION - Ohio EPA Use Only

MANAGE ONLY

Doctype:

Annual Report

MANAGE ONLY

Secondary ID:

BENU020719

MANAGE ONLY

Facility Name:

Pixelle Specialty Solutions LLC

MANAGE ONLY

County:

Ross

MANAGE ONLY

Program:

Beneficial Use

MANAGE ONLY

Classification:

SECTION 1 – PERMIT HOLDER INFORMATION

Business Name: *

Pixelle Specialty Solutions LLV

Contact Person: *

Julia Hume

Mailing Address: *

232 East 8th St Chillicothe, Ohio 45601

Physical Address: *

232 East 8th St Chillicothe, Ohio 45601

Email Address: *

Julia.Hume@pixelle.com

Phone Number: *

740-993-8398

SECTION 2 – SAMPLING AND ANALYSIS

Material Type: *

- [ ] Dredge Material
- [ ] DWTM - Lime
- [ ] DWTM – Alum Residuals
- [ ] Foundry Sand
- [ ] Gypsum
- [x] Sewage Sludge Incinerator Ash
- [ ] Other

Beneficial Use Category: *

- [x] 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	julia.hume@pixelle.com	232 East 8th St Chillicothe, Ohio 45601	Julia Hume	740-993-8398

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. *

BYPRO Analytical 2022.pdf

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
- [x] 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	6,288.00	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
June	7,184.00	7,400.00
July	5,570.00	519.00
August	9,145.00	1,767.00
September	9,765.00	560.00
October	9,396.00	1,979.00
November	8,908.00	2,177.00
December	7,849.00	3,990.00
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 RESTRICTIONS 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

7	Broken Aro 3	Jackson	39 degs 04' 24.41" N	-82 degs 31' 31.30" W		(●) Yes ( ) No	11,009.00	713.00

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

MANAGE ONLY

Doctype:

MANAGE ONLY

Secondary ID:

MANAGE ONLY

Facility Name:

MANAGE ONLY

County:

Select

MANAGE ONLY

Program:

MANAGE ONLY

Classification:

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: *

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, Ohio 45601	Zachary Richard	7409938855

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

Yes

◉ 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 at 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		Yes / No	12,742.43	2,000.00
2	Broken Aro	Jackson	39°04'24.41"N	-82°31'31.30"W		Yes / No	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:

Secondary ID:

Facility Name:

County:
Select

Program:

Classification:

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**
- [x] **Sewage Sludge Incinerator Ash**
- [ ] **Other**

Beneficial Use Category: *

- [x] **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? *

- [x] **Yes**
- [ ] **No**

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

Residuals Q3_Q4.zip

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 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
May	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
[illegible]	54,507.00	27,687.70

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

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 Restrictions Met	Amount Received (tons)	Amount Stored (tons)
1	Broken ARO 2	Jackson	30.07,20.20N	-82.31,31.19W		Yes No	2,697.90	0.00
2	Broken ARO 3	Jackson	30.04,24.41N	-82.31,31.30W		Yes No	11,809.35	0.00
3	Layne Pit	Jackson	38.52,10.60N	-82..32,07.35W		Yes No	12,365.98	0.00
4	Oak Hill Tipple Site 3	Jackson	38.55,34.26N	-82.34,04.93W		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

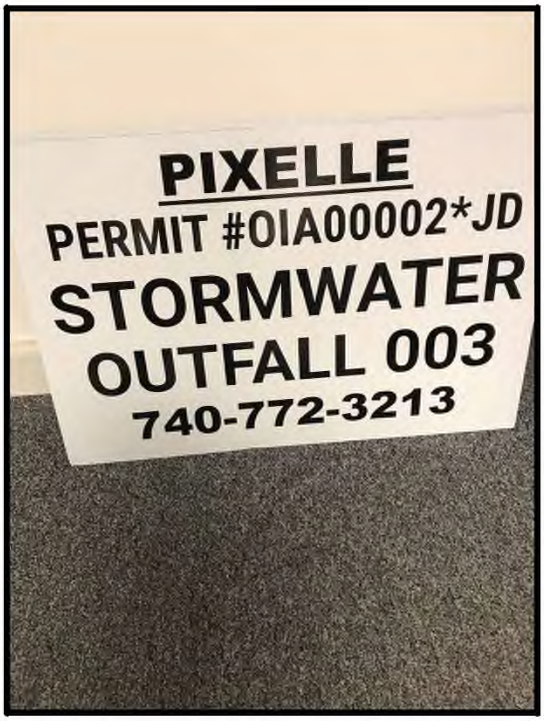
12/17/2020

Outfall 001

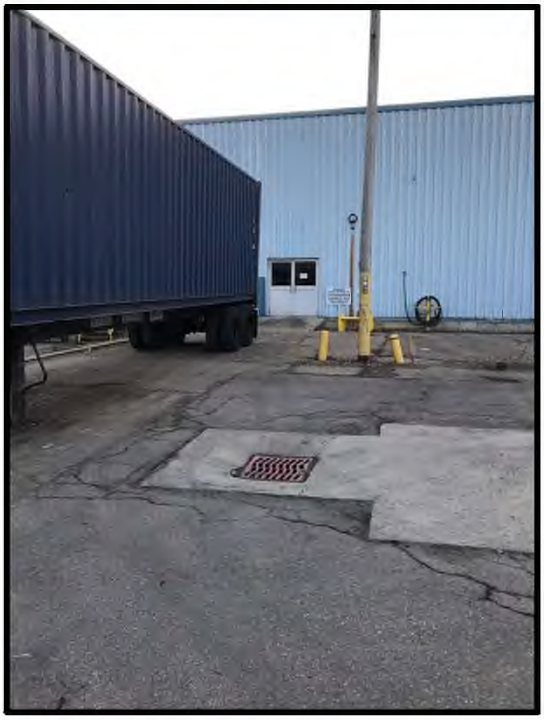

PIXELLE
PERMIT #OIA00002*KD
FINAL EFFLUENT
OUTFALL 001
740-772-3213


PIXELLE
PERMIT #OIA00002*KD
FINAL EFFLUENT
OUTFALL 001
740-772-3213

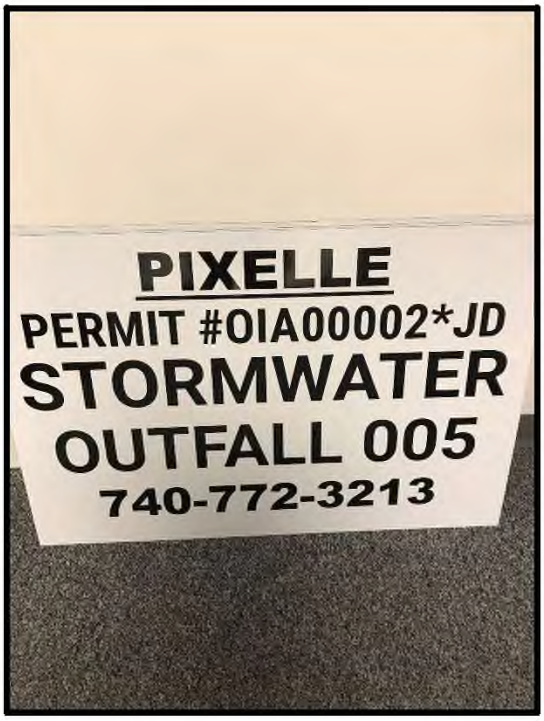
Outfall 003


PIXELLE
PERMIT #0IA00002*JD
STORMWATER
OUTFALL 003
740-772-3213


PIXELLE
PERMIT #0IA00002*JD
STORMWATER
OUTFALL 003
740-772-3213

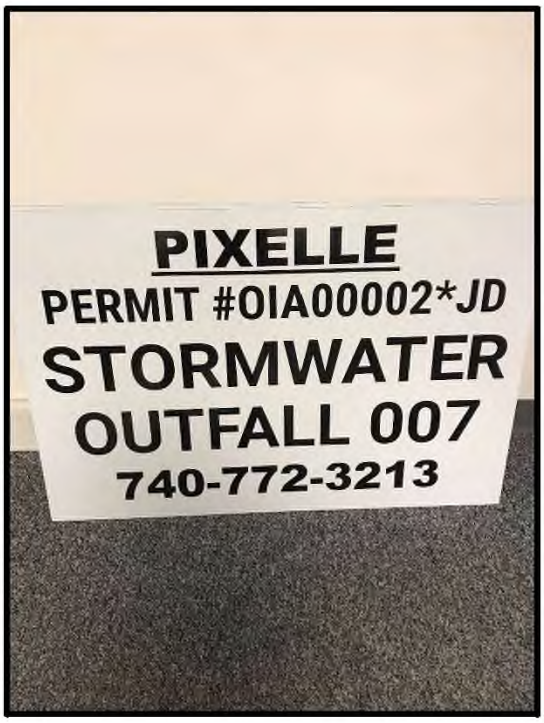


Outfall 005


PIXELLE
PERMIT #OIA00002*JD
STORMWATER
OUTFALL 005
740-772-3213


PIXELLE
PERMIT #OIA00002*JD
STORMWATER
OUTFALL 005
740-772-3213

Outfall 007

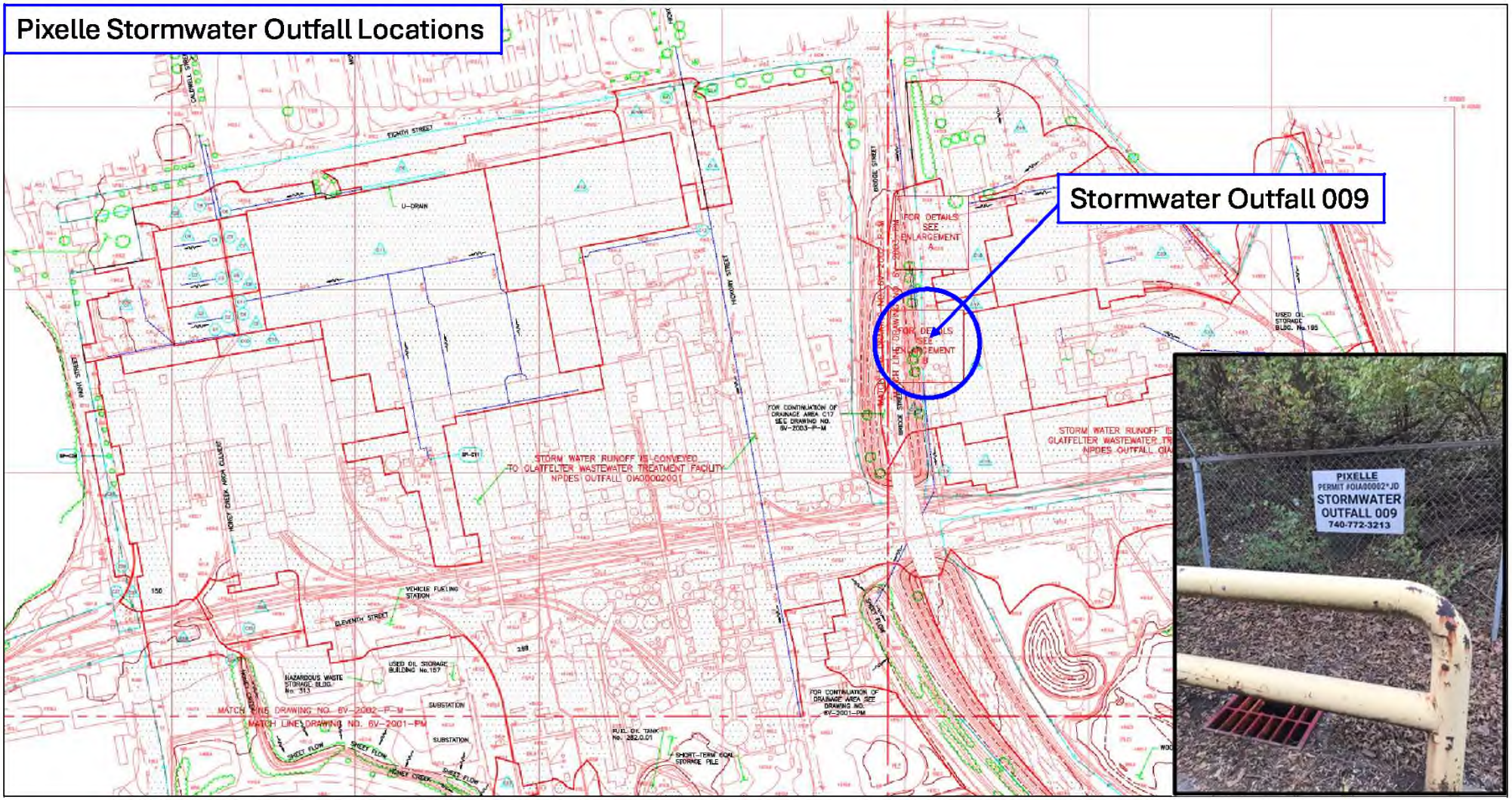

PIXELLE
PERMIT #OIA00002*JD
STORMWATER
OUTFALL 007
740-772-3213

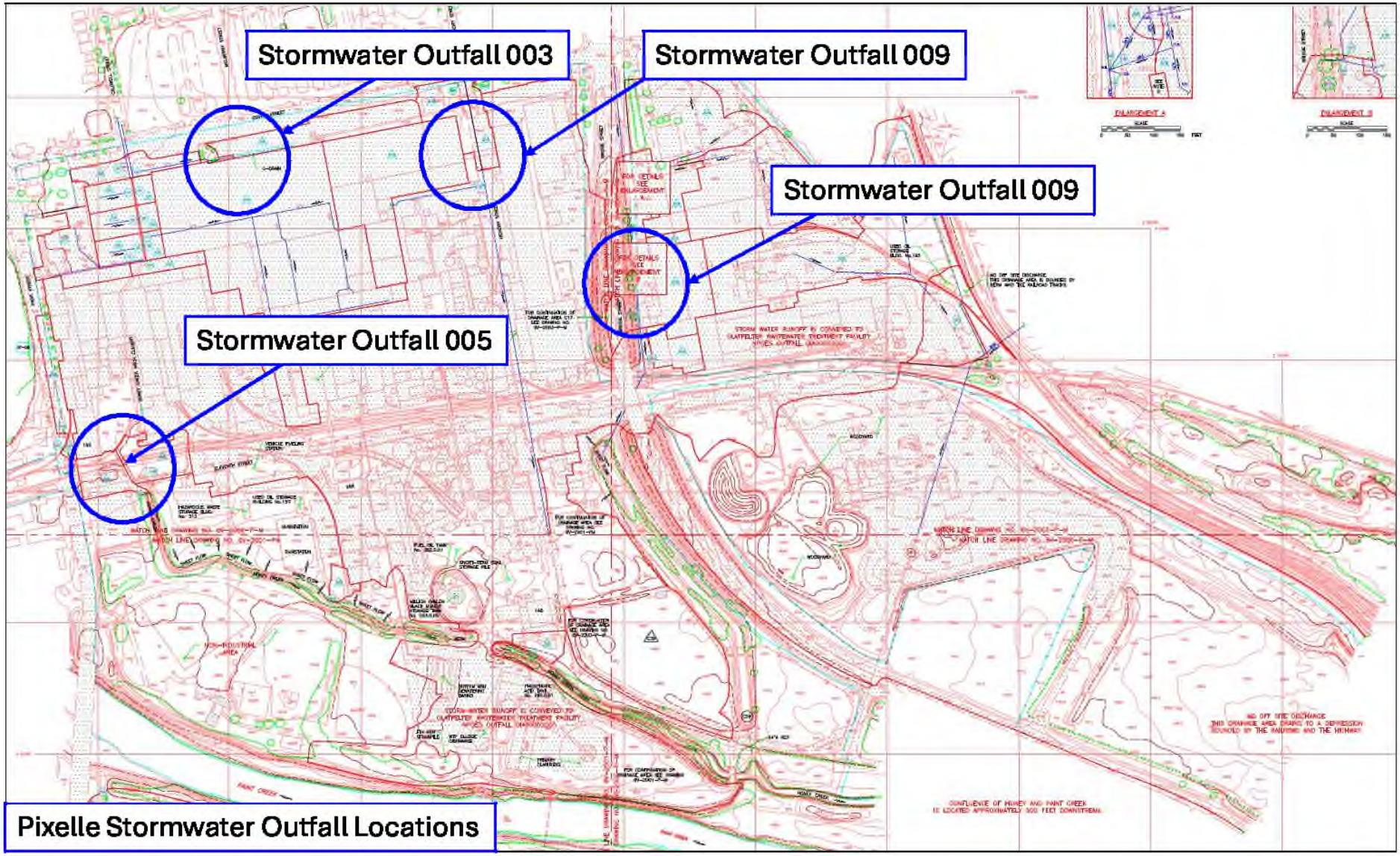
Outfall 009


PIXELLE
PERMIT #OIA00002*JD
STORMWATER
OUTFALL 009
740-772-3213

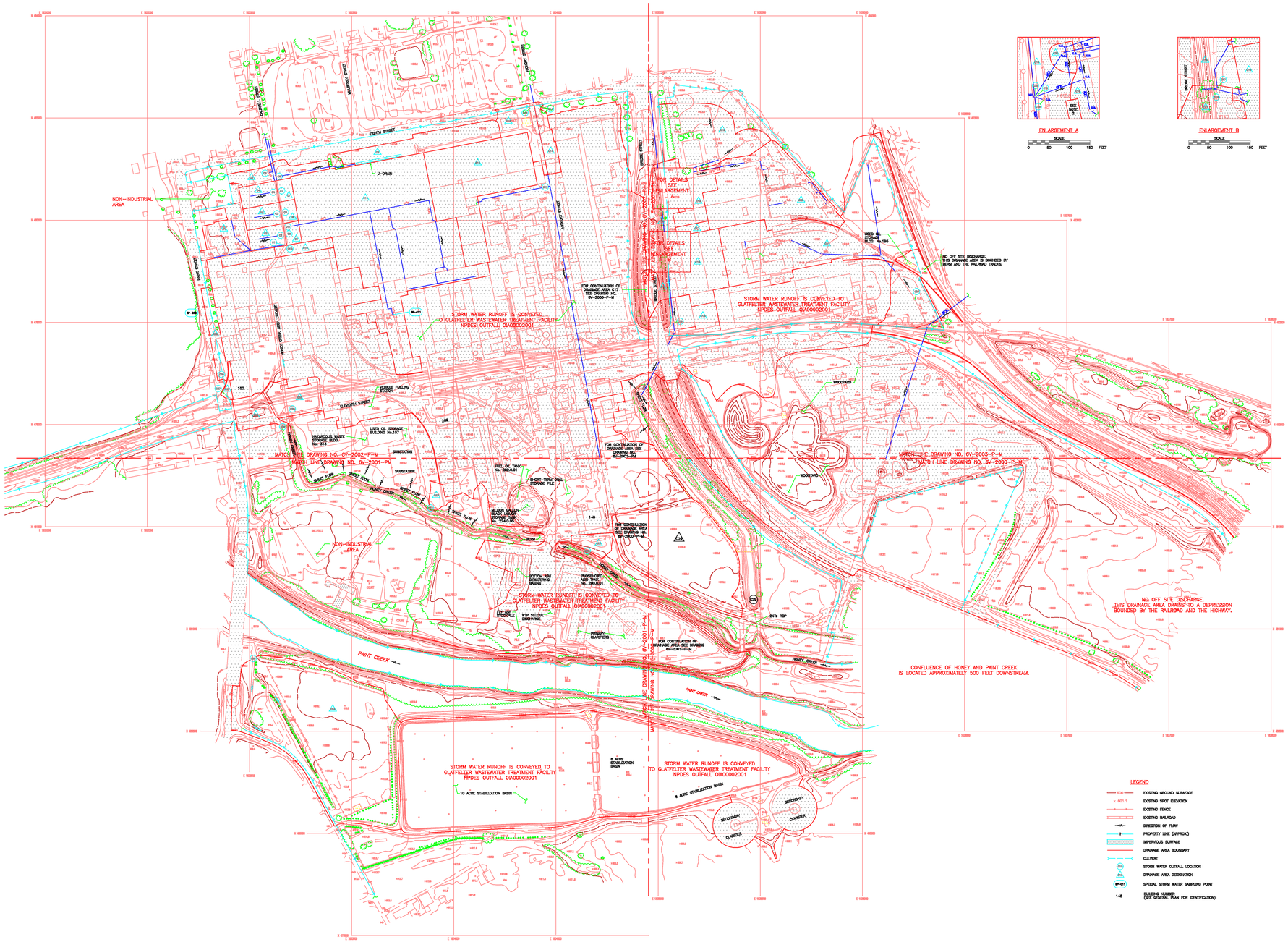

PIXELLE
PERMIT #OIA00002*JD
STORMWATER
OUTFALL 009
740-772-3213

Pixelle Stormwater Outfall Locations





Pixelle Stormwater Outfall Locations



6V2000PU.DWG

.	.	.	.	.	.
.	.	.	.	.	.
.	.	3	4/12/21	UPDATE TITLE BLOCK	MDH
.	.	2	12–14–15	REMOVED ITEMS & GENERAL UPDATES	MDH
.	.	1	8/20/15	ADDED GLATFELTER TITLE BLOCK	MDH
CODE	TIMES USED	No.	DATE:	DESCRIPTION:	BY:

REVISIONS

A	PRELIMINARY	C	MAT'L TAKE OFF	E	BIDS–CONTRACT	G	CONSTRUCTION
B	DESIGN	D	MAT'L PURCHASE	F	FABRICATION	H	FINAL ISSUE

pixelle SPECIALTY SOLUTIONS™

STORM WATER RUN OFF MAP
CHILLICOTHE MILL
.
. CM–

Drawn By: M.D.HOPKINS	Scale: NOTED	Date: 8/20/15	MILL No:	AREA No:	REV. No:
Engr'd By: .	JOB NO.:	DRAWING NO.			
Checked By: .	.	**6V-2000-P-U**	64	6V	3
Approved: .					

Laboratory Form L

In-House Sampling:

Parameter	Analytical testing methods used
BOD 37 — 74 monthly	Composite 5Day Period
DO 5.0 Low	Daily
TSS 172 max 93 monthly	Composite
PH 9.0 max	Composite / Continuous
PH 6.5 minimum	Composite / Continuous
Water Temperature	1 Day / Continuous
Dissolved Solids	Composite 3 times / wk

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

7.4.4.11 WASTE TREATMENT PLANT DATA SUMMARY

Technician: B DILLON

Sample Date: 7-15

NPDES Permit Limits or Operating Targets in RED

Analysis Date: 7-16

	Primary Influent	Primary Effluent	ASB Effluent	Splitter Box	Final Effluent	
Flow					15.7	MGI
Dissolved Oxygen			6.9	6.8	11.4 >4.0	mg/l
Temperature	89 °F				24	°C
pH	9.32	9.2			8.0 6.5-9.0	S.U.
Conductivity	2290				1303	µmh
Color						Pt-C
Salt Cake						mg/l
C.O.D.	206	<214,000 lbs/day 852	91		50	mg/l
B.O.D. Total					<37	mg/l
B.O.D. Dissolved						mg/l
Total Suspended Solids (TSS)	448	142	1304	MLSS 1200-1500 2034	8 <93	mg/l
Total Volatile Solids (VSS)	74	72		MLVSS 1036	4	mg/l
Pounds TSS to Creek					1048 <24,963	lbs.
Total Dissolved Solids (TDS)					<2226	mg/l
Settleable Solids Volumetric	5	20		SVI 270	0	ml/l
Misc Sample Results	Chilpaco BOD	RAS 5708	372			mg/

Quality Assurance Issues: