DEPARTMENT OF THE NAVY

NAVAL AIR STATION
22268 CEDAR POINT ROAD
PATUXENT RIVER, MARYLAND 20670-1154

5090
Ser N45/013
November 14, 2019

Mr. DuWayne Potter
St. Mary's County Metropolitan Commission.
Pretreatment Coordinator
Industrial Pretreatment Section
43990 Commerce Ave.
Hollywood, MD 20636

Dear Mr. Potter:

This is a 5-day letter to inform you of the reported pH value of 5.95 at Outfall 002 for the third quarter 2019 discharge monitoring report.

The pH sample was taken at Outfall 002 (landfill leachate) on September 11, 2019 and the contractor (IEI) failed to notify us of the non-compliance. The Navy is still working with IEI to get them situated with our requirements and notification procedures.

At the Navy's request, IAP verified a reading of 7.01 on 11 September 2019 from the dedicated Navy pH meter inside the leachate hut. We will test and calibrate (if necessary) our pH meter by grabbing/testing a sample straight from the manhole with an additional digital pH field meter. If the pH is at or below 6.0, we will increase the chemical dosage feed to bring the pH level higher. The Navy will also ask and ensure IEI is using a calibrated meter with proper buffers prior to measuring the pH. Navy personnel will also accompany IEI during the next sampling event to ensure they are following proper sampling procedures.

Sincerely,

L. E. McDANIEL
Installation Environmental Director.
By direction
of the Commanding Officer

DEPARTMENT OF THE NAVY

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22268 CEDAR POINT ROAD
PATUXENT RIVER, MARYLAND 20670-1154

5090
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November 14, 2019

Mr. DuWayne Potter
St. Mary's County Metropolitan Commission.
Pretreatment Coordinator
Industrial Pretreatment Section
43990 Commerce Ave.
Hollywood, MD 20636

Dear Mr. Potter:

Enclosed is the Industrial Wastewater Discharge Monitoring Report (DMR) for the period of July 1, 2019 to September 30, 2019 as required by the St. Mary's County Metropolitan Commission Wastewater Contribution Permit No. 16-WP-001. The Navy sampling contractor (IEI) reported a pH value of 5.95 for this quarter. The recorded flow rate (86,000 gpd) is also higher than normal.

The Outfall 002 sample event was taken on September 11, 2019 and the contractor failed to notify us of the non-compliance. The Navy is still working with IEI to get them situated with our requirements and notification procedures. Navy personnel will accompany IEI during the next sampling event to ensure they are following proper sampling procedures, and using properly calibrated meters with unexpired buffer solutions.

IAP verified a reading of 7.01 on 11 September 2019 from the dedicated Navy pH meter inside the leachate hut. We will test and calibrate (if necessary) our pH meter by grabbing/testing a sample straight from the manhole with an additional digital pH field meter. If the pH is at or below 6.0, we will increase the chemical dosage feed to bring the pH level higher. We will also perform a test and calibration of the dedicated flow meter to ensure the meter is correctly recording the flow.

If you have questions please contact the Naval Facilities Engineering Command Washington, Public Works Department, Environmental Division, point of contact Mr. Trenton London, Clean Water Program Manager, at 301-342-3093 or Oswin.london@navy.mil.

Sincerely,

L. E. McDANIEL
Installation Environmental Director
By direction
of the Commanding Officer

Enclosures: 1. Discharge Monitoring Report outfall 001
2. Discharge Monitoring Report outfall 002
3. Laboratory data outfall 001
4. Laboratory data outfall 002

St. Mary's County Metropolitan Commission
Industrial Wastewater Discharge Monitoring Report

1. Company Name: NAS Patuxent River
   Mailing Address: 22445 Peary Road Bldg 504
   Facility Address: Patuxent River, MD 20670
   Telephone Number: (301) 342-3093
2. Permit Number: 16-WP-001
3. Monitoring Period: From: 01 July 2019 to 30 September 2019
4. Outfall Number: **Outfall #001 – Effluent from the Flow Equalization Basin**

Parameter	Results	Units	Frequency of Analysis	Sample Type	Number of Ex	Permit Requirement
BOD5	113	mg/l	1/quarter	24h composite		300 mg/L
TSS	61	mg/l	1/quarter	24h composite		300 mg/L
MBAS	0.093	mg/l	1/quarter	24h composite		20mg/L
Oil & Grease	ND	mg/l	1/quarter	Grab		100mg/L
Arsenic	<0.02	N/A	1/quarter	24h composite		(1)
Cadmium	<0.02	N/A	1/quarter	24h composite		(1)
Chromium	<0.02	N/A	1/quarter	24h composite		(1)
Copper	0.03	N/A	1/quarter	24h composite		(1)
Cyanide (Total)	<0.005	N/A	1/quarter	Grab		(1)
Lead	ND	N/A	1/quarter	24h composite		(1)
Mercury	ND	N/A	1/quarter	24h composite		(1)
Nickel	ND	N/A	1/quarter	24h composite		(1)
Silver	ND	N/A	1/quarter	24h composite		(1)
Zinc	0.12	N/A	1/quarter	24h composite		(1)
pH	7.68	SU	1/quarter	Grab		6.0-10.0 SU
Flow	280,000	gpd	Daily (Average)	Measured		(1)

(1) Monitoring required without limitations

5. Certified Statement: Pretreatment standards for this facility are_X _ are not __ being met on a consistent basis. The reason(s) for noncompliance and additional operational and maintenance required to comply is as follows:

6. Comments:

I have personally examined and am familiar with the information submitted in this document and attachments. Based upon my inquiry of those individuals responsible for obtaining the information reported herein, I believe that 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.

Signature of Authorized Representative

11-13-2019
Date

L. E Mc DANIEL
By Direction
COMMANDING OFFICER

ENCLOSURE (1)

St. Mary's County Metropolitan Commission
Industrial Wastewater Discharge Monitoring Report

1. Company Name: NAS Patuxent River
   Mailing Address: 22445 Peary Road Bldg 504
   Facility Address: Patuxent River, MD 20670
   Telephone Number: (301) 342-3093
2. Permit Number: 16-WP-001
3. Monitoring Period: From: 01 July 2019 to 30 September 2019
4. Outfall Number: **Outfall #002 – Landfill Leachate**

Parameter	Results	Units	Frequency of Analysis	Sample Type	Number of Ex	Permit Requirement
BOD5	**8.5**	mg/l	1/quarter	24h composite		300 mg/L
TSS	**47**	mg/l	1/quarter	24h composite		300 mg/L
MBAS	**ND**	mg/l	1/quarter	24h composite		20mg/L
Oil & Grease	**ND**	mg/l	1/quarter	Grab		100mg/L
Arsenic	**<0.02**	N/A	1/quarter	24h composite		(1)
Cadmium	**ND**	N/A	1/quarter	24h composite		(1)
Chromium	**ND**	N/A	1/quarter	24h composite		(1)
Copper	**ND**	N/A	1/quarter	24h composite		(1)
Cyanide (Total)	**ND**	N/A	1/quarter	Grab		(1)
Lead	**ND**	N/A	1/quarter	24h composite		(1)
Mercury	**ND**	N/A	1/quarter	24h composite		(1)
Nickel	**ND**	N/A	1/quarter	24h composite		(1)
Silver	**ND**	N/A	1/quarter	24h composite		(1)
Thallium	**ND**	N/A	1/quarter	24h composite		(1)
Zinc	**ND**	N/A	1/quarter	24h composite		(1)
pH	**5.95**	SU	1/quarter	Grab		6.0-10.0 SU
Flow	86,000	gpd	Daily (Average)	Measured		(1)

(1) Monitoring required without limitations

5. Certified Statement: Pretreatment standards for this facility are__ are not _X__ being met on a consistent basis.

6. Comments: The pH reading was low (5.95). PAX will calibrate the pH meter and take another reading.

I have personally examined and am familiar with the information submitted in this document and attachments. Based upon my inquiry of those individuals responsible for obtaining the information reported herein, I believe that 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.

Signature of Authorized Representative

11-13-19
Date

L. E. McDANIEL
By Direction
Commanding Officer

ENCLOSURE (2)

ALS Environmental

301 Fulling Mill Road - Middletown, PA 17057 - Phone: 717-944-5541 - Fax:717-944-1430 - www.alsglobal.com

NELAP Certifications: NJ PA010, NY 11759, PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113, WA C999, MD 128, VA 460157, WV DW 9961-C, WV 343

October 1, 2019

Mr. Kosala DeSilva
Inspection Experts, Inc.
8711 Arrowtip Lane
Lewis Center, OH 43035

Certificate of Analysis

Project Name:	2019-PAX RIVER - WW - CLIENT COLLECTS	Workorder:	3057274
Purchase Order:		Workorder ID:	2019-PAX RIVER - WW - CLIENT C

Dear Mr. DeSilva:

Enclosed are the analytical results for samples received by the laboratory on Wednesday, September 11, 2019.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Ms. Sarah S Leung (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

CC: Mr. George Tsamoulales

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Ms. Sarah S Leung
Project Coordinator

ALS Environmental

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State Certifications: FL E871113, WA C999, MD 128, VA 460157, WV DW 9961-C, WV 343

SAMPLE SUMMARY

Workorder: 3057274 2019-PAX RIVER - WW - CLIENT C

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3057274001	Outfall 001-C	Waste Water	9/11/2019 13:15	9/11/2019 23:20	Collected by Client
3057274002	Outfall 001-C-FB	Waste Water	9/11/2019 13:15	9/11/2019 23:20	Collected by Client
3057274003	Outfall 001-G	Waste Water	9/11/2019 13:15	9/11/2019 23:20	Collected by Client

ALS Environmental

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SAMPLE SUMMARY

Workorder: 3057274 2019-PAX RIVER - WW - CLIENT C

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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ANALYTICAL RESULTS

Workorder: 3057274 2019-PAX RIVER - WW - CLIENT C

Lab ID: **3057274001** Date Collected: 9/11/2019 13:15 Matrix: Waste Water

Sample ID: **Outfall 001-C** Date Received: 9/11/2019 23:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Biochemical Oxygen Demand	113	1	mg/L	2.0	S5210B-11			9/12/19 19:20	MXO	A
Surfactants (MBAS)	0.093	2	mg/L	0.050	SM5540C-2011			9/13/19 03:10	R2B	B
Total Suspended Solids	61		mg/L	5	S2540D-11			9/17/19 15:37	ZXW	A
METALS										
Arsenic, Total	0.0062		mg/L	0.0015	EPA 200.8	9/18/19 16:04	SXC	9/22/19 22:18	MSA	C2
Cadmium, Total	0.00083		mg/L	0.00020	EPA 200.8	9/18/19 16:04	SXC	9/21/19 20:12	MSA	C2
Chromium, Total	0.0025		mg/L	0.0010	EPA 200.8	9/18/19 16:04	SXC	9/21/19 20:12	MSA	C2
Copper, Total	0.033		mg/L	0.0025	EPA 200.8	9/18/19 16:04	SXC	9/21/19 20:12	MSA	C2
Lead, Total	0.0020		mg/L	0.0010	EPA 200.8	9/18/19 16:04	SXC	9/21/19 20:12	MSA	C2
Mercury, Total	ND		mg/L	0.00020	EPA 245.1	9/17/19 10:05	AHI	9/17/19 16:38	AHI	C
Nickel, Total	0.0035		mg/L	0.0025	EPA 200.8	9/18/19 16:04	SXC	9/21/19 20:12	MSA	C2
Silver, Total	ND		mg/L	0.00050	EPA 200.8	9/18/19 16:04	SXC	9/21/19 20:12	MSA	C2
Zinc, Total	0.12	3	mg/L	0.0025	EPA 200.8	9/18/19 16:04	SXC	9/22/19 22:18	MSA	C2

Ms. Sarah S Leung
Project Coordinator

ALS Environmental

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ANALYTICAL RESULTS

Workorder: 3057274 2019-PAX RIVER - WW - CLIENT C

Lab ID: 3057274002
Sample ID: Outfall 001-C-FB

Date Collected: 9/11/2019 13:15
Date Received: 9/11/2019 23:20

Matrix: Waste Water

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Arsenic, Total	0.0076		mg/L	0.0015	EPA 200.8	9/13/19 21:05	SXC	9/16/19 15:29	MO	A
Cadmium, Total	0.0015		mg/L	0.00020	EPA 200.8	9/13/19 21:05	SXC	9/15/19 23:38	MSA	A
Chromium, Total	0.0016		mg/L	0.0010	EPA 200.8	9/13/19 21:05	SXC	9/15/19 23:38	MSA	A
Copper, Total	0.044		mg/L	0.0025	EPA 200.8	9/13/19 21:05	SXC	9/15/19 23:38	MSA	A
Lead, Total	0.0027		mg/L	0.0010	EPA 200.8	9/13/19 21:05	SXC	9/15/19 23:38	MSA	A
Mercury, Total	ND		mg/L	0.00020	EPA 245.1	9/16/19 11:55	AHI	9/16/19 17:26	AHI	A
Nickel, Total	0.0031		mg/L	0.0025	EPA 200.8	9/13/19 21:05	SXC	9/15/19 23:38	MSA	A
Silver, Total	ND		mg/L	0.00050	EPA 200.8	9/13/19 21:05	SXC	9/15/19 23:38	MSA	A
Zinc, Total	0.13		mg/L	0.0025	EPA 200.8	9/13/19 21:05	SXC	9/15/19 23:38	MSA	A

Ms. Sarah S Leung
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 3057274 2019-PAX RIVER - WW - CLIENT C

Lab ID: 3057274003 Date Collected: 9/11/2019 13:15 Matrix: Waste Water

Sample ID: Outfall 001-G Date Received: 9/11/2019 23:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Cyanide, Amenable	ND	1	mg/L	0.0050	SM4500CN G-2011	9/25/19 17:30	LXB	9/30/19 12:49	MNP	B
Cyanide, Total	0.0050		mg/L	0.0020	KELADA-01			9/23/19 17:36	RXB	B
Oil/Grease Hexane Extractable	ND		mg/L	2.2	EPA 1664B			9/24/19 09:45	MPP	A

Ms. Sarah S Leung
Project Coordinator

ALS Environmental

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ANALYTICAL RESULTS

Workorder: 3057274 2019-PAX RIVER - WW - CLIENT C

PARAMETER QUALIFIERS

Lab ID	#	Sample ID	Analytical Method	Analyte
3057274001	1	Outfall 001-C	S5210B-11	Biochemical Oxygen Demand

The dilution water blank associated with this analyte had a dissolved oxygen depletion of 0.42 mg/l. Criteria states that the depletion should be at a maximum 0.2 mg/l

3057274001	2	Outfall 001-C	SM5540C-2011	Surfactants (MBAS)

MBAS calculated as LAS molecular weight 342 g/mol.

3057274001	3	Outfall 001-C	EPA 200.8	Zinc, Total

The recovery of the Matrix Spike (MS) associated to this analyte was outside of the established control limits. However, the LCS was within control limits. The failed recovery of the MS may be due to sample matrix interference.

3057274003	1	Outfall 001-G	SM4500CN G-2011	Cyanide, Amenable

Analyte was analyzed past the 14 day holding time.

ALS Environmental

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ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3057274 2019-PAX RIVER - WW - CLIENT C

Lab ID	Sample ID	Analysis Method	Prep Method
3057274001	Outfall 001-C	EPA 200.8	EPA TRMD
3057274001	Outfall 001-C	EPA 245.1	EPA 245.1
3057274001	Outfall 001-C	S2540D-11	
3057274001	Outfall 001-C	S5210B-11	
3057274001	Outfall 001-C	SM5540C-2011	
3057274002	Outfall 001-C-FB	EPA 200.8	EPA TRMD
3057274002	Outfall 001-C-FB	EPA 245.1	EPA 245.1
3057274003	Outfall 001-G	EPA 1664B	
3057274003	Outfall 001-G	KELADA-01	
3057274003	Outfall 001-G	SM4500CN G-2011	335/4500/9012B

Tuesday October 01, 2019 1:52:29 AM

ALS Environmental

34 Dogwood Lane ▪ Middletown, PA 17057 ▪ 717.944.5541 ▪ Fax: 717.944.1430

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

Generated by ALS

COC ALS 3057274

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Client Name: Inspection Experts, Inc. - Pax River Outfall 001

Address: 9220 Rumsey Rd, Bay 5
Columbia, MD 21045

Contact: Kosala De Silva

Phone#: 410-715-3939(O)

Project Name/#: 1511-0036-001-001

Bill To: kosala@ieinc.net

TAT [x] Normal-Standard TAT is 10-12 business days.
[ ] Rush-Subject to ALS approval and surcharges.

Date Required: _____ Approved By: _____

Email? [x] -Y kosala@ieinc.net

Fax? [ ] -Y No.: _____

Container Type	Plastic	Plastic	Plastic
Container Size	1L	1L	125mL
Preservative	None	None	HNO3

ANALYSES/METHOD REQUESTED

Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	*G or C	**Matrix	BOD5 (SM5210B) TSS (SM2540D/EPA160.2)	MBAS (SM5540B/EPA425.1)	Metals (As,Cd,Cr,Cu,Pb,Ni,Ag,Zn - 200.8), (Hg - 7471)	
					Enter Number of Containers Per Sample or Field Results Below.			
1. Outfall 001-C	9/11/19	1315	C	WW	1	1	1	
2. Outfall 001-C-MS	9/11/19	1315	C	WW			1	Only received 1 bottle - qm 9/12/19
3. Outfall 001-C-MSD	9/11/19	1315	C	WW			1	
4. Outfall 001-C-FB	9/11/19	1315					1	

Receiving Lab)

Cooler Temp: 0°C Therm ID: 402

No. of Coolers: _____

	Y	N	Initial
Custody Seals Present?			
(if present) Seals Intact?			
Received on Ice?			
COC/Labels Complete/Accurate?			
Cont. in Good Cond.?			
Correct Containers?			
Correct Sample Volumes?			
Correct Preservation?			
Headspace/Volatiles?			

Courier/Tracking #:

Sample/COC Comments

Metals - Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Nickel, Silver, Zinc

ALS Field Services: oPickup oLabor oComposite Sampling oRental Equipment oOther: _____

Project Comments:

LOGGED BY(signature): _____ Date: _____ Time: _____

REVIEWED BY(signature): _____ Date: _____ Time: _____

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 [signature]	9/11/19	1650	2 [signature]	9/11	1710
3 [signature]	9/11		4 COMMON COURIER / ALS COURIER		
5 COMMON COURIER / ALS COURIER			6 [signature]	9/11/19	2320
7			8		
9			10		

Data Deliverables: [ ] Standard [ ] CLP-like [ ] USACE

Special Processing: USACE [ ] Navy [ ]

State Sample Collected In: [ ] NY [ ] NJ [ ] PA [ ] NC [x] DC

Reportable to PADEP? Yes [ ] PWSID # _____

Sample Disposal: Lab [x] Special [ ]

EDDS: Format Type- _____

* G=Grab; C=Composite ** Matrix - AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

ALS ENVIRONMENTAL SHIPPING ADDRESS: 34 DOGWOOD LANE, MIDDLETOWN, PA 17057

Rev 8/0

ALS

ALS Environmental

34 Dogwood Lane w Middletown, PA 17057 w 717.944.5541 w Fax: 717.944.1430

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

Generated by ALS

COC #:2 of 2 3057274

ALS Quote #:

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Client Name: Inspection Experts, Inc. - Pax River Outfall 001

Address: 9220 Rumsey Rd, Bay 5
Columbia, MD 21045

Contact: Kosala De Silva

Phone#: 410-715-3939(O)

Project Name/#: 1511-0036-001-001

Bill To: kosala@leinc.net

TAT [x] Normal-Standard TAT is 10-12 business days.
[ ] Rush-Subject to ALS approval and surcharges.

Date Required: _____ Approved By: _____

Email? [x] -Y kosala@leinc.net

Fax? [ ] -Y No.: _____

Container Type	G/C	Plastic											
Container Size	250ml	250ml											
Preservative	H2SO4	NaOH											

ANALYSES/METHOD REQUESTED

Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	*G or C	**Matrix	Oil and Grease (EPA 1664A)	Total and Amenable cyanide					pH (Field)	Temperature (Field) /°C
			Enter Number of Containers Per Sample or Field Results Below.									
1. Outfall 001-G	9/11/19	1315L	G	WW	1	1					7.68	25.5

Receipt Information (completed by Receiving Lab)

Cooler Temp: 3°C Therm ID: 402

No. of Coolers: _____

	Y	N	Initial
Custody Seals Present?			
(if present) Seals Intact?			
Received on Ice?			
COC/Labels Complete/Accurate?			
Cont. in Good Cond.?			
Correct Containers?			
Correct Sample Volumes?			
Correct Preservation?			
Headspace/Volatiles?			

Courier/Tracking #:

Sample/COC Comments

ALS Field Services: oPickup oLabor oComposite Sampling oRental Equipment oOther: _____

Project Comments:

LOGGED BY(signature): DATE: TIME:

REVIEWED BY(signature): DATE: TIME:

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1	9/11/19	1650L	2	9/11	1726
3	9/11		4 COMMON COURIER / ALS COURIER		
5 COMMON COURIER / ALS COURIER			6	9/11/19	2320
7			8		
9			10		

Data Deliverables: [ ] Standard [ ] CLP-like [ ] USACE [ ]

Special Processing: USACE [ ] Navy [ ]

State Samples Collected In: [ ] NY [ ] NJ [ ] PA [ ] NC [x] DC

Reportable to PADEP? Yes [ ]

PWSID # _____

Sample Disposal: Lab [x] Special [ ]

EDDS: Format Type- _____

* G=Grab; C=Composite **Matrix - Al=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

ALS ENVIRONMENTAL SHIPPING ADDRESS: 34 DOGWOOD LANE, MIDDLETOWN, PA 17057

Rev 8/04

ALS

Middletown, PA 17057
P: (717) 944-5541
F: (717) 944-1430

3057274

Inspection Experts (IE), Inc.

...n of Sample Receipt Form

Client: Inspection Experts | Work ... | Initials: QV | Date: 9/12/19

1. Were airbills / tracking numbers present and recorded?	(NONE)	YES	NO
Tracking number: _____			
2. Are Custody Seals on shipping containers intact?	NONE	(YES)	NO
3. Are Custody Seals on sample containers intact?	(NONE)	YES	NO
4. Is there a COC (Chain-of-Custody) present?		(YES)	NO
5. Are the COC and bottle labels complete, legible and in agreement?		(YES)	NO
5a. Does the COC contain sample locations?		(YES)	NO
5b. Does the COC contain date and time of sample collection for all samples?		(YES)	NO
5c. Does the COC contain sample collectors name?		(YES)	NO
5d. Does the COC note the type(s) of preservation for all bottles?		(YES)	NO
5e. Does the COC note the number of bottles submitted for each sample?		(YES)	NO
5f. Does the COC note the type of sample, composite or grab?		(YES)	NO
5g. Does the COC note the matrix of the sample(s)?		(YES)	NO
6. Are all aqueous samples requiring preservation preserved correctly?	N/A	(YES)	NO
7. Were all samples placed in the proper containers for the requested analyses, with sufficient volume?		(YES)	NO
8. Are all samples within holding times for the requested analyses?		(YES)	NO
9. Were all sample containers received intact and headspace free when required? (not broken, leaking, frozen, etc.)		(YES)	NO
10. Did we receive trip blanks (applies only for methods EPA 504, EPA 524.2 and 1631E (LL Hg)?	(N/A)	YES	NO
11. Were the samples received on ice?		(YES)	NO
12. Were sample temperatures measured at 0.0-6.0°C		(YES)	NO
13. Are the samples DW matrix ? If YES, fill out Reportable Drinking Water questions below		YES	(NO)
13a. Are the samples required for SDWA compliance reporting?	(N/A)	YES	NO
13b. Did the client provide a SDWA PWS ID#?	(N/A)	YES	NO
13c. Are all aqueous unpreserved SDWA samples pH 5-9?	(N/A)	YES	NO
13d. Did the client provide the SDWA sample location ID/Description?	(N/A)	YES	NO
13e. Did the client provide the SDWA sample type.(D, E, R, C, P, S)?	(N/A)	YES	NO

Cooler #: _____

Temperature (°C): 0°C

Thermometer ID: 402

Radiological (uCi): _____

COMMENTS (Required for all NO responses above and any sample non-conformance):

Rev. 4/29/2019

ALS Environmental

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NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343

October 1, 2019

Mr. Kosala DeSilva
Inspection Experts, Inc.
8711 Arrowtip Lane
Lewis Center, OH 43035

Certificate of Analysis

Project Name:	**2019-PAX RIVER - WW - CLIENT COLLECTS**	Workorder:	**3057273**
Purchase Order:		Workorder ID:	**2019-PAX RIVER - WW - CLIENT**

Dear Mr. DeSilva:

Enclosed are the analytical results for samples received by the laboratory on Wednesday, September 11, 2019.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Ms. Sarah S Leung (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

CC: Mr. George Tsamoulales

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Ms. Sarah S Leung
Project Coordinator

ALS Environmental

301 Fulling Mill Road - Middletown, PA 17057 - Phone: 717-944-5541 - Fax:717-944-1430 - www.alsglobal.com

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State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343

SAMPLE SUMMARY

Workorder: 3057273 2019-PAX RIVER - WW - CLIENT

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3057273001	Outfall 002-C	Waste Water	9/11/2019 14:00	9/11/2019 23:20	Collected by Client
3057273002	Outfall 002-C-FB	Waste Water	9/11/2019 14:00	9/11/2019 23:20	Collected by Client
3057273003	Outfall 002-G	Waste Water	9/11/2019 14:00	9/11/2019 23:20	Collected by Client

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State Certifications: FL E871113, WA C999, MD 128, VA 460157, WV DW 9961-C, WV 343

SAMPLE SUMMARY

Workorder: 3057273 2019-PAX RIVER - WW - CLIENT

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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ANALYTICAL RESULTS

Workorder: 3057273 2019-PAX RIVER - WW - CLIENT

Lab ID: 3057273001 Date Collected: 9/11/2019 14:00 Matrix: Waste Water

Sample ID: Outfall 002-C Date Received: 9/11/2019 23:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Biochemical Oxygen Demand	8.5	1	mg/L	2.0	S5210B-11			9/12/19 19:20	MXO	A
Surfactants (MBAS)	ND	2	mg/L	0.050	SM5540C-2011			9/13/19 03:10	R2B	B
Total Suspended Solids	47		mg/L	5	S2540D-11			9/17/19 15:37	ZXW	A
METALS										
Arsenic, Total	0.0032		mg/L	0.0015	EPA 200.8	9/17/19 14:00	SXC	9/18/19 09:22	LXC	C1
Cadmium, Total	ND		mg/L	0.00020	EPA 200.8	9/17/19 14:00	SXC	9/18/19 09:22	LXC	C1
Chromium, Total	ND		mg/L	0.0010	EPA 200.8	9/17/19 14:00	SXC	9/18/19 09:22	LXC	C1
Copper, Total	ND		mg/L	0.0025	EPA 200.8	9/17/19 14:00	SXC	9/18/19 09:22	LXC	C1
Iron, Total	25.6		mg/L	0.030	EPA 200.7	9/18/19 16:04	SXC	9/19/19 15:33	MNP	C2
Lead, Total	ND		mg/L	0.0010	EPA 200.8	9/17/19 14:00	SXC	9/18/19 09:22	LXC	C1
Mercury, Total	ND		mg/L	0.00020	EPA 245.1	9/17/19 10:05	AHI	9/17/19 16:32	AHI	C
Nickel, Total	ND		mg/L	0.0025	EPA 200.8	9/17/19 14:00	SXC	9/18/19 09:22	LXC	C1
Silver, Total	ND		mg/L	0.00050	EPA 200.8	9/17/19 14:00	SXC	9/18/19 09:22	LXC	C1
Thallium, Total	ND	3	mg/L	0.00050	EPA 200.8	9/17/19 14:00	SXC	9/21/19 21:46	MSA	C1
Zinc, Total	ND		mg/L	0.0025	EPA 200.8	9/17/19 14:00	SXC	9/18/19 09:22	LXC	C1

Ms. Sarah S Leung
Project Coordinator

ALS Environmental

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State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343

ANALYTICAL RESULTS

Workorder: 3057273 2019-PAX RIVER - WW - CLIENT

Lab ID: **3057273002** Date Collected: 9/11/2019 14:00 Matrix: Waste Water

Sample ID: **Outfall 002-C-FB** Date Received: 9/11/2019 23:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Arsenic, Total	ND		mg/L	0.0015	EPA 200.8	9/18/19 16:04	SXC	9/19/19 11:21	LXC	A2
Cadmium, Total	ND		mg/L	0.00020	EPA 200.8	9/18/19 16:04	SXC	9/19/19 11:21	LXC	A2
Chromium, Total	0.0032		mg/L	0.0010	EPA 200.8	9/18/19 16:04	SXC	9/19/19 11:21	LXC	A2
Copper, Total	0.016		mg/L	0.0025	EPA 200.8	9/18/19 16:04	SXC	9/19/19 11:21	LXC	A2
Iron, Total	ND		mg/L	0.030	EPA 200.7	9/17/19 14:00	SXC	9/19/19 14:57	MNP	A1
Lead, Total	ND		mg/L	0.0010	EPA 200.8	9/18/19 16:04	SXC	9/19/19 11:21	LXC	A2
Mercury, Total	ND		mg/L	0.00020	EPA 245.1	9/17/19 10:05	AHI	9/17/19 16:35	AHI	A
Nickel, Total	ND		mg/L	0.0025	EPA 200.8	9/18/19 16:04	SXC	9/19/19 11:21	LXC	A2
Silver, Total	ND		mg/L	0.00050	EPA 200.8	9/18/19 16:04	SXC	9/19/19 11:21	LXC	A2
Thallium, Total	ND		mg/L	0.00050	EPA 200.8	9/18/19 16:04	SXC	9/21/19 22:08	MSA	A2
Zinc, Total	ND		mg/L	0.0025	EPA 200.8	9/18/19 16:04	SXC	9/19/19 11:21	LXC	A2

Ms. Sarah S Leung
Project Coordinator

ALS Environmental

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State Certifications: FL E871113, WA C999, MD 128, VA 460157, WV DW 9961-C, WV 343

ANALYTICAL RESULTS

Workorder: 3057273 2019-PAX RIVER - WW - CLIENT

Lab ID: 3057273003
Sample ID: Outfall 002-G

Date Collected: 9/11/2019 14:00
Date Received: 9/11/2019 23:20

Matrix: Waste Water

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Cyanide, Amenable	0.0053	1	mg/L	0.0050	SM4500CN G-2011	9/25/19 17:30	LXB	9/30/19 12:49	MNP	B
Cyanide, Total	0.0063		mg/L	0.0020	KELADA-01			9/23/19 17:36	RXB	B
Oil/Grease Hexane Extractable	ND		mg/L	4.0	EPA 1664B			9/19/19 08:15	MPP	A

Ms. Sarah S Leung
Project Coordinator

ANALYTICAL RESULTS

Workorder: 3057273 2019-PAX RIVER - WW - CLIENT

PARAMETER QUALIFIERS

Lab ID	#	Sample ID	Analytical Method	Analyte
3057273001	1	Outfall 002-C	S5210B-11	Biochemical Oxygen Demand
The dilution water blank associated with this analyte had a dissolved oxygen depletion of 0.42 mg/l. Criteria states that the depletion should be at a maximum 0.2 mg/l				
3057273001	2	Outfall 002-C	SM5540C-2011	Surfactants (MBAS)
MBAS calculated as LAS molecular weight 342 g/mol.				
3057273001	3	Outfall 002-C	EPA 200.8	Thallium, Total
The recovery of the Matrix Spike (MS) associated to this analyte was outside of the established control limits. The sample was post-digestion spiked, and this matrix spike was within acceptable recovery limits.				
3057273003	1	Outfall 002-G	SM4500CN G-2011	Cyanide, Amenable
Analyte was analyzed past the 14 day holding time.				

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State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343

ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3057273 2019-PAX RIVER - WW - CLIENT

Lab ID	Sample ID	Analysis Method	Prep Method
3057273001	Outfall 002-C	EPA 200.7	EPA TRMD
3057273001	Outfall 002-C	EPA 200.8	EPA TRMD
3057273001	Outfall 002-C	EPA 245.1	EPA 245.1
3057273001	Outfall 002-C	S2540D-11	
3057273001	Outfall 002-C	S5210B-11	
3057273001	Outfall 002-C	SM5540C-2011	
3057273002	Outfall 002-C-FB	EPA 200.7	EPA TRMD
3057273002	Outfall 002-C-FB	EPA 200.8	EPA TRMD
3057273002	Outfall 002-C-FB	EPA 245.1	EPA 245.1
3057273003	Outfall 002-G	EPA 1664B	
3057273003	Outfall 002-G	KELADA-01	
3057273003	Outfall 002-G	SM4500CN G-2011	335/4500/9012B

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

Generated by ALS

COC ALS 3057273

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Client Name: Inspection Experts, Inc. - Pax River Outfall 002

Address: 9220 Rumsey Rd, Bay 5
Columbia, MD 21045

Contact: Kosala De Silva

Phone#: 410-715-3939(O)

Project Name/#: 1511-0036-001-001

Bill To: kosala@ieinc.net

TAT [x] Normal-Standard TAT is 10-12 business days.
[ ] Rush-Subject to ALS approval and surcharges.

Date Required: _____ Approved By: _____

Email? [x] -Y kosala@ieinc.net

Fax? [ ] -Y No.: _____

Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	*G or C	**Matrix	BOD5 (SM5210B) TSS (SM2540D/EPA160.2)	MBAS (SM5540B/EPA425.1)	Metals (As,Cd,Cr,Cu,Pb,Ni,Ag,Tl,Zn 200.8), (Hg - 7471)	Comments
Container Type					Plastic	Plastic	Plastic	
Container Size					1L	1L	125mL	
Preservative					None	None	HNO3	
					Enter Number of Containers Per Sample or Field Results Below.			
1. Outfall 002-C	9/11/19	1400	C	WW	1	1	1	Metals - Arsenic, Cadmium, Chromium , Copper ,Lead, Mercury, Nickel, Silver, Thallium, Zinc
2. Outfall 002-C-MS	9/11/19	1400	C	WW			1	Only received 1 bottle - ap 9/12/19
3. Outfall 002-C-MSD	9/11/19	1400	C	WW			1	
4. Outfall 002-C-FB	9/11/19	1400					1	

ANALYSES/METHOD REQUESTED

Cooler Temp: 1°C Therm ID: 402

No. of Coolers: _____

	Y	N	Initial
Custody Seals Present?			
(if present) Seals Intact?			
Received on Ice?			
COC/Labels Complete/Accurate?			
Cont. in Good Cond.?			
Correct Containers?			
Correct Sample Volumes?			
Correct Preservation?			
Headspace/Volatiles?			

Courier/Tracking #:

Sample/COC Comments

ALS Field Services: oPickup oLabor oComposite Sampling oRental Equipment oOther: _____

Project Comments:

LOGGED BY(signature): Date: Time:

REVIEWED BY(signature): Date: Time:

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1	9/11/19	1650	2	9/11	1746
3	9/11		4 COURIER ALS COURIER		
5 COURIER ALS COURIER			6	9/11/19	2320
7			8		
9			10		

Data Deliverables: [ ] Standard [ ] CLP-like [ ] USACE [ ]

Special Processing: USACE [ ] Navy [ ]

State Samples Collected In: [ ] NY [ ] NJ [ ] PA [ ] NC [x] DC

Reportable to PADEP? Yes [ ]

PWSID # _____

Sample Disposal: Lab [x] Special [ ]

EDDS: Format Type- _____

* G=Grab, C=Composite **Matrix - AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

ALS ENVIRONMENTAL SHIPPING ADDRESS: 34 DOGWOOD LANE, MIDDLETOWN, PA 17057

Rev 8/0

Tuesday October 01, 2019 1:52:19 AM

ALS

ALS Environmental

34 Dogwood Lane w Middletown, PA 17057 w 717.944.5541 w Fax: 717.944.1430

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

Generated by ALS

COC #:2 of 2
3057273
ALS Quote #:

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Client Name: Inspection Experts, Inc. - Pax River Outfall 002

Address: 9220 Rumsey Rd, Bay 5
Columbia, MD 21045

Contact: Kosala De Silva

Phone#: 410-715-3939(O)

Project Name/#: 1511-0036-001-001

Bill To: kosala@ieinc.net

TAT [x] Normal-Standard TAT is 10-12 business days.
[ ] Rush-Subject to ALS approval and surcharges.

Date Required: _____ Approved By: _____

Email? [x] -Y kosala@ieinc.net

Fax? [ ] -Y No.: _____

Container Type	Amber	Plastic								
Container Size	250ml	250ml								
Preservative	H2SO4	NaOH								

ANALYSES/METHOD REQUESTED

Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	*G or C	**Matrix	Oil and Grease (EPA 1664A)	Total and Amenable cyanide					pH (Field)	Temperature (Field) / °C
			Enter Number of Containers Per Sample or Field Results Below.									
1. Outfall 002-G	9/11/19	1430	G	WW	1	1					5.95	19.0°C

Receipt Information (completed by Receiving Lab)

Cooler Temp: 2°C Therm ID: 402

No. of Coolers: _____

	Y	N	Initial
Custody Seals Present?			
(If present) Seals Intact?			
Received on Ice?			
COC/Labels Complete/Accurate?			
Cont. in Good Cond.?			
Correct Containers?			
Correct Sample Volumes?			
Correct Preservation?			
Headspace/Volatiles?			

Courier/Tracking #:

Sample/COC Comments

ALS Field Services: oPickup oLabor oComposite Sampling oRental Equipment oOther: _____

Project Comments:

LOGGED BY(signature): Date: Time:

REVIEWED BY(signature): Date: Time:

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1	9/11/19	1450	2	9/12	1140
3	9/11		4 COMMON COURIER / ALS COURIER		
5 COMMON COURIER / ALS COURIER			6	9/11/19	2320
7			8		
9			10		

Data Deliverables: [ ] Standard [ ] CLP-like [ ] USACE [ ]

Special Processing: USACE [ ] Navy [ ]

State Samples Collected In: [ ] NY [ ] NJ [ ] PA [ ] NC [x] DC

Reportable to PADEP? Yes [ ] PWSID # _____

Sample Disposal: Lab [x] Special [ ]

EDDS: Format Type- _____

*G=Grab; C=Composite **Matrix - AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

ALS ENVIRONMENTAL SHIPPING ADDRESS: 34 DOGWOOD LANE, MIDDLETOWN, PA 17057

Rev 8/04

Tuesday, October 01, 2019 1:52:10 AM

ALS

Middletown, PA 17057
P: (717) 944-5541
F: (717) 944-1430

3057273

Inspection Experts (IE), Inc.

ion of Sample Receipt Form

Client: Inspection Experts | Wor | Initials: QV | Date: 9/12/19

1. Were airbills / tracking numbers present and recorded?	(NONE)	YES	NO
Tracking number: _____			
2. Are Custody Seals on shipping containers intact?	NONE	(YES)	NO
3. Are Custody Seals on sample containers intact?	(NONE)	YES	NO
4. Is there a COC (Chain-of-Custody) present?		(YES)	NO
5. Are the COC and bottle labels complete, legible and in agreement?		(YES)	NO
5a. Does the COC contain sample locations?		(YES)	NO
5b. Does the COC contain date and time of sample collection for all samples?		(YES)	NO
5c. Does the COC contain sample collectors name?		(YES)	NO
5d. Does the COC note the type(s) of preservation for all bottles?		(YES)	NO
5e. Does the COC note the number of bottles submitted for each sample?		(YES)	NO
5f. Does the COC note the type of sample, composite or grab?		(YES)	NO
5g. Does the COC note the matrix of the sample(s)?		(YES)	NO
6. Are all aqueous samples requiring preservation preserved correctly?	N/A	(YES)	NO
7. Were all samples placed in the proper containers for the requested analyses, with sufficient volume?		(YES)	NO
8. Are all samples within holding times for the requested analyses?		(YES)	NO
9. Were all sample containers received intact and headspace free when required? (not broken, leaking, frozen, etc.)		(YES)	NO
10. Did we receive trip blanks (applies only for methods EPA 504, EPA 524.2 and 1631E (LL Hg)?	(N/A)	YES	NO
11. Were the samples received on ice?		(YES)	NO
12. Were sample temperatures measured at 0.0-6.0°C		(YES)	NO
13. Are the samples DW matrix ? If YES, fill out Reportable Drinking Water questions below		YES	(NO)
13a. Are the samples required for SDWA compliance reporting?	(N/A)	YES	NO
13b. Did the client provide a SDWA PWS ID#?	(N/A)	YES	NO
13c. Are all aqueous unpreserved SDWA samples pH 5-9?	(N/A)	YES	NO
13d. Did the client provide the SDWA sample location ID/Description?	(N/A)	YES	NO
13e. Did the client provide the SDWA sample type (D, E, R, C, P, S)?	(N/A)	YES	NO

Cooler #: _____

Temperature (°C): 1°C

Thermometer ID: 402

Radiological (µCi): _____

COMMENTS (Required for all NO responses above and any sample non-conformance):

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