

DEPARTMENT OF THE NAVY

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



5090
Ser N45/151
January 15, 2020

St. Mary's County Metropolitan Commission
Attn: Mr. DuWayne Potter
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 October 1, 2019 to December 31, 2019 as required by the St. Mary's County Metropolitan Commission Wastewater Contribution Permit No. 16-WP-001.

If you have questions please contact the NAVFAC Washington, Public Works Department, Environmental Division, point of contact Mr. Trenton London, Clean Water Program Manager, at 301-342-3093.

Sincerely,

A handwritten signature in blue ink, appearing to read "L. E. McDANIEL".

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
Permit Number: 16-WP-001
2. Monitoring Period: From: 01 October 2019 to 31 December 2019
3. Outfall Number: Outfall #002 - Landfill Leachate

Parameter	Results	Units	Frequency of Analysis	Sample Type	Number of Ex	Permit Requirement
BOD5	ND	mg/l	1/quarter	24h composite		300 mg/L
TSS	39	mg/l	1/quarter	24h composite		300 mg/L
MBAS	0.035	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	6.97	SU	1/quarter	Grab		6.0-10.0 SU
Flow	0.086	gpd	Daily (Average)	Measured		

(1) Monitoring required without limitations

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

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

L. E. McDANIEL

By Direction

Commanding Officer

Date

02-27-2020

**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 October 2019 to 31 December 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	69.2	mg/l	1/quarter	24h composite		300 mg/L
TSS	107	mg/l	1/quarter	24h composite		300 mg/L
MBAS	0.085	mg/l	1/quarter	24h composite		20mg/L
Oil & Grease	4.8	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	0.017	N/A	1/quarter	24h composite	(1)	
Cyanide (Total)	0.0023	mg/l	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	0.030	mg/l	1/quarter	24h composite	(1)	
pH	8.08	SU	1/quarter	Grab		6.0-10.0 SU
Flow	54,000	gpd	Daily (Average)	Measured		

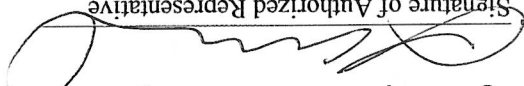
(1) Monitoring required without limitations

5. Certified Statement: Pretreatment standards for this facility are 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



Date

01-07-2020

L. E. Mc DANIEL

By Direction

COMMANDING OFFICER

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ALS Environmental Laboratory Locations Across North America

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

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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.

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

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.

Enclosed are the analytical results for samples received by the laboratory on Thursday, November 14, 2019.

Dear Mr. Desilva:

Project Name:	2019-PAX RIVER - WW - CLIENT	Workorder:	3070179
Purchase Order:	COLLECTS	Workorder ID:	1511-0036-001-001

Certificate of Analysis

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

December 5, 2019

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

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

SAMPLE SUMMARY

Workorder: 3070179 1511-0036-001-001

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
- Cnt 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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ALS Environmental Laboratory Locations Across North America

[Signature]
 Ms. Sarah S Leung
 Project Coordinator

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cnt
WET CHEMISTRY										
Cyanide, Amenable	ND		mg/L	0.0050	SM4500CN-G-2011	11/20/19 11:30	LXB	11/25/19 12:28	CTD	B
Cyanide, Total	0.0023	1.2	mg/L	0.0020	KELADA-01	11/20/19 14:18	C_D	11/25/19 14:18	C_D	B
Oil/Grease Hexane Extractable	4.8		mg/L	4.0	EPA 1664B	11/20/19 06:30	MPP	11/20/19 06:30	MPP	A

Lab ID: 3070179002	Date Collected: 11/14/2019 12:03	Matrix: Waste Water
Sample ID: Outfall 001-G	Date Received: 11/14/2019 22:10	

Workorder: 3070179 1511-0036-001-001

ANALYTICAL RESULTS

301 Felling 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: PJA 74618
 State Certifications: FL E871113, WA C999, MD 128, VA 460157, WV DW 9961-C, WV 343



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Lab ID	Sample ID	Analysis Method	Prep Method
3070179001	Outfall 001-C	EPA 200.8	EPA TRMD
3070179001	Outfall 001-C	EPA 245.1	EPA 245.1
3070179001	Outfall 001-C	S2540D-11	
3070179001	Outfall 001-C	S5210B-11	
3070179001	Outfall 001-C	SM5540C-2011	
3070179002	Outfall 001-G	EPA 1664B	
3070179002	Outfall 001-G	KELADA-01	
3070179002	Outfall 001-G	SM4500CN G-2011	335/4500/9012B

Workorder: 3070179 1511-0036-001-001

ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

NELAP Certifications: NJ PA010, NY 11759, PA 22-293 D0D ELAP: P/LA 74618
 State Certifications: FL E87113, WA C999, MD 128, VA 460157, WV DW 9961-C, WV 343

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ALS Environmental Laboratory Locations Across North America

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Ms. Sarah S Leung
Project Coordinator



CC: Mr. George Tsamoulales

ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903
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ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.
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.
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Dear Mr. Desilva:

Project Name:	2019-PAX RIVER - WW - CLIENT	Workorder:	3070180
Purchase Order:	COLLECTS	Workorder ID:	1511-0036-001-001

Certificate of Analysis

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

December 3, 2019

301 Falling 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: P/LA 74618
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NE LAP 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

SAMPLE SUMMARY

Workorder: 3070180 1511-0036-001-001

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.
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- 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
- Cnt 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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 Mexico: Monterrey

ALS Environmental Laboratory Locations Across North America

[Signature]
 Ms. Sarah S Leung
 Project Coordinator

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed By	By Cntr
WET CHEMISTRY								
Cyanide, Amenable	ND		mg/L	0.0050	SM4500CN-G-2011	11/20/19 11:30 LXB	11/25/19 12:28 CTD	B
Cyanide, Total	ND	1.2	mg/L	0.0020	KELADA-01		11/25/19 14:18 C_D	B
Oil/Grease Hexane Extractable	ND		mg/L	3.9	EPA 1664B		11/20/19 06:30 MPP	A

Lab ID: 3070180002	Date Collected: 11/14/2019 09:56	Matrix: Waste Water
Sample ID: Outfall 002-G	Date Received: 11/14/2019 22:10	

Workorder: 3070180 1511-0036-001-001

ANALYTICAL RESULTS

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ALS Environmental Laboratory Locations Across North America

Lab ID	Sample ID	Analysis Method	Prep Method
3070180001	Outfall 002-C	EPA 200.8	EPA TRMD
3070180001	Outfall 002-C	EPA 245.1	EPA 245.1
3070180001	Outfall 002-C	S2540D-11	
3070180001	Outfall 002-C	S5210B-11	
3070180001	Outfall 002-C	SM5540C-2011	
3070180002	Outfall 002-G	EPA 1664B	
3070180002	Outfall 002-G	KELADA-01	
3070180002	Outfall 002-G	SM4500CN-G-2011	335/4500/9012B

Workorder: 3070180 1511-0036-001-001

ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

State Certifications: FL E87113, WA C999, MD 128, VA 460157, WV DW 9961-C, WV 343
 NELAP Certifications: NJ PA010, NY 11759, PA 22-293 DOD ELAP: PJA 74618

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CHAIN OF CUSTODY / REQUEST FOR ANALYSIS
ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

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COC #: 2 of 2 **0160**
ALS Quote #:

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#: 1511-003p-001-001
Bill To: kosala@iejinc.net

TAT
 Normal-Standard TAT is 10-12 business days.
 Rush-Subject to ALS approval and surcharges.
Date Required: _____
Approved By: _____
Email? Y N **kosala@iejinc.net**
Fax? Y N

Container Type
 Amber Plastic
 Container Size 250ml
 Preservative H2SO4 NaOH

Receipt Information (completed by Receiving Lab)
 Cooler Temp: Therm ID: W37
 No. of Coolers: Y N Initial

ANALYSES/METHOD REQUESTED

Temperature (Field) / °C

Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	Matrix	Enter Number of Containers Per Sample or Field Results Below.	Oil and Grease (EPA 1664)	Total and Amenable Cyanide	PI (Field)	Temperature (Field) / °C
1. Outfall 012-G	11-14	9:50	WW	1			6.97	16.7

Project Comments:

ALS Field Services: Pickup Labor
 Composite Sampling Rental Equipment
 Other:

LOGGED BY (signature)	REVIEWED BY (signature)	Date	Time	Received By / Company Name	Date	Time
		11-14	17:30	<i>[Signature]</i>	11/14	17:20
		11/14		COMMON COURIER ALS COURIER	11/14/15	20:10

