

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS (Include Facility name/Location if different)

NAME: JUNEAU, CITY AND BOROUGH OF
ADDRESS: MENDENHALL TREATMENT PLANT
155 SOUTH SEWARD,
JUNEAU, ALASKA 99801
FACILITY: MENDENHALL VALLEY SERVICE AREA
LOCATION: JUNEAU, ALASKA 99801
ATT: Scott Jeffers WW Utilities Superintendent

MAJOR (SUB 01)
OMB No. 2040-0004
Approval Expires 05-31-08

EFFLUENT *** NO DISCHARGE
NOTE: Read instructions before completing this form.

AK-002295-1
PERMIT NUMBER

001 A
DISCHARGE NUMBER

MONITORING PERIOD

YR	MO	DAY	YEAR	MO	DAY
2008	12	1	2008	12	31

PARAMETER	QUANTITY OR LOADING			UNITS	QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	VALUE	VALUE		VALUE	VALUE	UNITS			
Turbidity	SAMPLE MEASUREMENT	*****	*****	****	*****	9.5	11.0	(43)	0	
00070 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	****	*****	Req. Mon. MO AVG	Req. Mon. DAILY MX	NTU		Continuous
Oxygen, dissolved (DO)	SAMPLE MEASUREMENT	*****	*****	****	4.4	4.4	*****	(19)	0	
00300 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	****	*****	Req. Mon. MO AVG	*****	mg/L		Once Per Month
BOD, 5-Day, 20 deg. C	SAMPLE MEASUREMENT	383.0	474.6	(26)	*****	19.2	21.0	(19)	0	
00310 1 0 Effluent Gross	PERMIT REQUIREMENT	1226	2452	lb/d	*****	30	60	mg/L		Twice Per Month
BOD, 5-Day, 20 deg. C	SAMPLE MEASUREMENT	474.6	*****	(26)	*****	21.0	*****	(19)	0	
00310 W 0 See Comments	PERMIT REQUIREMENT	1829	*****	lb/d	*****	45	*****	mg/L		Twice Per Month
pH	SAMPLE MEASUREMENT	*****	*****	****	6.5	*****	7.1	(12)	0	
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	****	6.5	*****	9.0	12		Weekdays
Alkalinity, total (asCaCo3)	SAMPLE MEASUREMENT	*****	*****	****	*****	MIN	MAX	SU		
00410 1 7 Effluent Gross	PERMIT REQUIREMENT	*****	*****	****	*****	132.0	132.0	(19)	0	
Solids, total suspended	SAMPLE MEASUREMENT	419.8	452.0	(26)	*****	Req. Mon. MO AVG	Req. Mon. DAILY MX	mg/L		Quarterly
00530 1 0 Effluent Gross	PERMIT REQUIREMENT	1226	2452	lb/d	*****	30	60	mg/L		Twice Per Month

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with the system designed to assure that the qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Scott Jeffers

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

907 AREA CODE

586-0393 TELEPHONE

DATE

2009 YEAR

01 MO

08 DAY

TYPED OR PRINTED

COMMENT AND EXPLANATION OF ANY VIOLATIONS

* Concerning violations-please see attached. The reporting period was from 11/30/2008 through 12/27/2008.

EPA Form 3320-1 (03-99) Previous editions may be used.

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED).

00434/981209 1904

PAGE 1 OF 5

MAJOR
(SUB 01)
F - FINAL
EFFLUENT
*** NO DISCHARGE

NOTE: Read instructions before completing this form.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS (Include Facility name/Location if different)

NAME: JUNEAU, CITY AND BOROUGH OF
ADDRESS: MENDENHALL TREATMENT PLANT
155 SOUTH SEWARD,
JUNEAU, ALASKA 99801
FACILITY: MENDENHALL VALLEY SERVICE AREA
LOCATION: JUNEAU, ALASKA 99801
ATT: Scott Jeffers WW Utilities Superintendent

AK-002295-1
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001 A
DISCHARGE NUMBER

MONITORING PERIOD			
YR	MO	DAY	TO
2008	12	1	
YR	MO	DAY	TO
2008	12	31	

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	VALUE	UNITS				
Solids, total suspended	452.0	(26)	*****	(19)	0			
00530 W 0	1829	lb/d	*****	19	0	Twice Per Month	COMP24	
See Comments	WKLY AVG		*****	mg/L				
Nitrogen, ammonia total (as N)	228.8	(26)	14.0	(19)	0			
00610 1 0	1164	lb/d	*****	19	0	Once Per Month	COMP24	
Effluent Gross	MO AVG		*****	mg/L				
Hardness, total (as CaCO3)	*****	****	72.0	(19)	0			
00900 1 6	*****	****	*****	19	0	Once Per Month	GRAB	
Effluent Gross	*****	****	*****	mg/L				
Silver, total recoverable	no test	(26)	no test	(28)	0			
01079 1 0	Req. Mon.	lb/d	*****	28	0	Three Per Year	COMP24	
Effluent Gross	MO AVG		*****	ug/L				
Zinc, total recoverable	no test	(26)	no test	(28)	0			
01094 1 0	Req. Mon.	lb/d	*****	28	0	Three Per Year	COMP24	
Effluent Gross	MO AVG		*****	ug/L				
Lead, total recoverable	no test	(26)	no test	(28)	0			
01114 1 0	Req. Mon.	lb/d	*****	28	0	Three Per Year	COMP24	
Effluent Gross	MO AVG		*****	ug/L				
Copper, total recoverable	0.290	(26)	17.7	(28)	0			
01119 1 0	Req. Mon.	lb/d	*****	28	0	Once Per Month	COMP24	
Effluent Gross	MO AVG		*****	ug/L				
	3.54	lb/d	*****	28				
	MO AVG		*****	ug/L				
	7.63	lb/d	*****	28				
	MO AVG		*****	ug/L				

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with the system designed to assure that the qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Scott Jeffers
Scott Jeffers
Wastewater Utilities Superintendent

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

907 AREA CODE 2009 YEAR 01 MO 05 DAY
TELEPHONE 586-0393
PHONE NUMBER DATE

TYPED OR PRINTED

COMMENT AND EXPLANATION OF ANY VIOLATIONS

* Concerning violations - please see attached. The reporting period was from 11/30/2008 through 12/27/2008.
(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

EPA Form 3320-1 (03-99) Previous editions may be used.

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PAGE 2 OF 5

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
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NAME: JUNEAU, CITY AND BOROUGH OF
ADDRESS: MENDENHALL TREATMENT PLANT
155 SOUTH SEWARD,
JUNEAU, ALASKA 99801
FACILITY: MENDENHALL VALLEY SERVICE AREA
LOCATION: JUNEAU, ALASKA 99801
ATT: Scott Jeffers WW Utilities Superintendent

MAJOR (SUB 01)
OMB No. 2040-0004
Approval Expires 05-31-98
EFFLUENT
4.4.4 NO DISCHARGE

NOTE: Read instructions before completing this form.

AK-002295-1
PERMIT NUMBER

001 A
DISCHARGE NUMBER

MONITORING PERIOD			
YR	MO	DAY	TO
2008	12	1	
YR	MO	DAY	TO
2008	12	12	31

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	VALUE	VALUE	VALUE	VALUE	UNITS				
Coliform, fecal - % sample exceeds limit	*****	*****	*****	*****	*****	*****	****	0		
30500 O 0	*****	*****	*****	*****	*****	*****	****			
See Comments	*****	*****	*****	*****	*****	*****	****			
Fecal coliform, MPN, EC med, 44.5 C	*****	*****	*****	*****	*****	*****	****			
31615 O 0	*****	*****	*****	*****	*****	*****	****			
See Comments	*****	*****	*****	*****	*****	*****	****			
Fecal coliform, MPN, EC med, 44.5 C	*****	*****	*****	*****	*****	*****	****			
31615 P 0	*****	*****	*****	*****	*****	*****	****			
See Comments	*****	*****	*****	*****	*****	*****	****			
Fecal coliform, MPN, EC med, 44.5 C	*****	*****	*****	*****	*****	*****	****			
31615 Q 0	*****	*****	*****	*****	*****	*****	****			
See Comments	*****	*****	*****	*****	*****	*****	****			
Fecal coliform, MPN, EC med, 44.5 C	*****	*****	*****	*****	*****	*****	****			
31615 R 0	*****	*****	*****	*****	*****	*****	****			
See Comments	*****	*****	*****	*****	*****	*****	****			
Floating solids or visible foam-visual	*****	*****	*****	*****	*****	*****	****			
45613 1 0	*****	*****	*****	*****	*****	*****	****			
Effluent Gross	*****	*****	*****	*****	*****	*****	****			
Flow, in conduit or thru treatment plant	*****	*****	*****	*****	*****	*****	****			
50050 1 0	*****	*****	*****	*****	*****	*****	****			
Effluent Gross	*****	*****	*****	*****	*****	*****	****			

Scott Jeffers
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	907	AREA CODE	586-0393	TELEPHONE
Scott Jeffers Wastewater Utilities Superintendent	2009	YEAR	01	DATE
TYPED OR PRINTED	08	DAY		

COMMENT AND EXPLANATION OF ANY VIOLATIONS
* Concerning violations-please see attached. The reporting period was from 11/30/2008 through 12/27/2008.

NOTE: Read instructions before completing this form.

NAME: JUNEAU, CITY AND BOROUGH OF
ADDRESS: MENDENHALL TREATMENT PLANT
 155 SOUTH SEWARD,
 JUNEAU, ALASKA 99801
FACILITY: MENDENHALL VALLEY SERVICE AREA
LOCATION: JUNEAU, ALASKA 99801
ATT: Scott Jeffers WW Utilities Superintendent

AK-002295-1
 PERMIT NUMBER

001 A
 DISCHARGE NUMBER

MONITORING PERIOD			
YR	MO	DAY	TO
2008	12	1	
YR	MO	DAY	TO
2008	12	31	

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	VALUE	UNITS	VALUE	VALUE	UNITS			
Fecal coliform, MPN, EC med, 44.5 C	*****	*****	*****	N/A	N/A	(13)	0		
31615 S 9	*****	*****	*****	400	800	DAILY MX		Once Every Week	GRAB
See Comments				N/A	N/A	#/100ml	0		
Fecal coliform, MPN, EC med, 44.5 C	*****	*****	*****	800	1200	DAILY MX		Once Every Week	GRAB
31615 T 9	*****	*****	*****	800	400	DAILY MX			
See Comments				WKLY GEO	WKLY GEO	#/100ml			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 Scott Jeffers
Wastewater Utilities Superintendent

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

2004 01 08
 YEAR MO DAY

907 586-0393
 AREA CODE TELEPHONE

SP-Analytica, Inc. - Juneau
5438 Shaune Drive
Juneau, AK 99801
Phone: 907-780-6668



12/29/2008

City and Borough of Juneau, Alaska
2009 Radcliffe Road
Juneau, AK 99801
Attn: Rico Tempel

Work Order #: J0812072
Date: 12/29/2008
Work ID: Mendenhall WW Plant
Date Received: 12/9/2008

Sample Identification

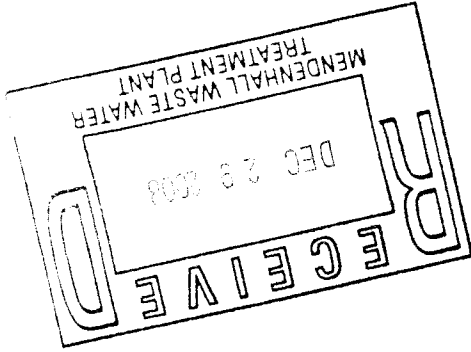
Lab Sample Number	Client Description	Lab Sample Number	Client Description
J0812072-01	MWWTP Influent	J0812072-02	MWWTP Effluent Comp
J0812072-03	MWWTP Effluent Grab		

Enclosed are the analytical results, in summary format, for the submitted sample(s). Please review the CASE NARRATIVE for a discussion of any data and/or quality control issues.

Sincerely,

Daniel Bleidorn
Project Manager

BLANKS FOR
BOD, TSS, INF+EFF



Case Narrative

Analytica Alaska Southeast
Work Order: J0812072

Samples were prepared and analyzed according to EPA or equivalent methods outlined in the following references:

- Methods for Chemical Analysis of Water and Wastes, USEPA 600/4-79-020, March 1983.
- Standard Methods for the Examination of Water and Wastewater, 19th Edition, 1995.

SAMPLE RECEIPT:

There were 3 samples received on 12/9/2008 9:00:00 AM. Samples were received at a temperature of 2.9 deg C in cooler 1 at Analytica-Juneau. The cooler was opened on 12/9/2008. Samples were received in good condition and in order per chain of custody.

REVIEW FOR COMPLIANCE WITH ANALYTICA QA PLAN:

All analytical results contained in this report have been reviewed under Analytica's internal quality assurance and quality control program. Any deviations in quality control parameters for specific analyses are noted in the following text. A complete quality assurance report, including laboratory control, matrix spike, and sample duplicate recoveries is kept on file in our office and is available upon request.

All method specifications were met for the following tests, unless otherwise noted:

Test Method: SM2540D - Solids, Total Suspended Solids Dried at 103-105 C - (TSS) - Aqueous

Test Method: SM5210B - (BOD5) - Aqueous

Test Method: SM9222D Fecal Coliform by MF - Fecal by Mem Filt - Aqueous

Summary of Detected Analytes

Workorder (SDG): J0812072

Project: Mendenhall WW Plant

Client: City and Borough of Juneau, Alaska

Client Project Number: MWWTTP

Matrix: Aqueous

Client Sample Name: MWWTTP Effluent Comp

Collection Date: 12/9/2008 9:00:00AM

Analyte	Result	POL	Units	Analysis Date	Flags	Analyst	Method
Total Suspended Solids	<4.0	4.0	mg/L	12/10/08 15:30		AM	SM2540D - Solids, Total Suspended Solids Dried
Biochemical O2 Demand, 5 Day	<3.0	3.0	mg/L	12/10/08 14:10		am	SM5210B - (BOD5) at 103-105 C - (TSS)

Matrix: Aqueous

Client Sample Name: MWWTTP Effluent Grab

Collection Date: 12/9/2008 9:35:00AM

Analyte	Result	POL	Units	Analysis Date	Flags	Analyst	Method
Fecal Coliform Bacteria by MF	5.71	1.4	CFU/100mL	12/9/08 14:50		bd	SM9222D Fecal Coliform by MF - Fecal by Mem Filtr

Matrix: Aqueous

Client Sample Name: MWWTTP Influent

Collection Date: 12/9/2008 9:00:00AM

Analyte	Result	POL	Units	Analysis Date	Flags	Analyst	Method
Total Suspended Solids	<4.0	4.0	mg/L	12/10/08 15:30		AM	SM2540D - Solids, Total Suspended Solids Dried at 103-105 C - (TSS)
Biochemical O2 Demand, 5 Day	<3.0	3.0	mg/L	12/10/08 13:55		am	SM5210B - (BOD5)



Cooler Receipt Form

Client: City and Borough of Juneau, A Client Code: 011760
Project: Mendenhall WW Plant

Order #: J0812072

Cooler ID: 1

A. Preliminary Examination Phase:

Date cooler opened: 12/9/2008
Cooler opened by: BD

Signature: _____

1. Was airbill Attached? N/A

Carrier Name: Client

2. Custody Seals? N/A

Seal Name: _____

3. Seals intact? Yes

4. COC Attached? Yes

Properly Completed? Yes

Signed by AEL employee? Yes

5. Project Identification from custody paper:

6. Preservative:

Temperature: 2.9 deg. C

Designated person initial here to acknowledge receipt:

COMMENTS:

Date: _____

B. Log-in Phase:

Samples Log-in Date: 12/9/2008 Log-in By: AL

1. Packing Type:

2. Were samples in separate bags? NO

3. Were containers intact? Yes

Labels agree with COC? Yes

4. Number of bottles received: 3

Number of samples received: 3

5. Correct containers used? Yes

Correct preservatives added? N/A

6. Sufficient sample volume? N/A

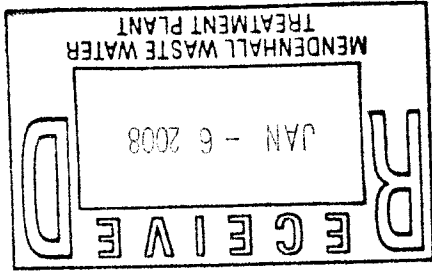
7. Bubbles in VOA samples? N/A

8. Was Project manager called and status discussed? NO

9. Was anyone called? NO

By whom? _____

Date: _____



Duplicate Fecal Coliform sample

Brian Doyle
Project Manager

Sincerely,

Enclosed are the analytical results, in summary format, for the submitted sample(s). Please review the CASE NARRATIVE for a discussion of any data and/or quality control issues.

Lab Sample Number	Client Description	Lab Sample Number	Client Description
10812169-01	MWTP Effluent Grab A		

Sample Identification

1/6/2009
City and Borough of Juneau, Alaska
2009 Radcliffe Road
Juneau, AK 99801
Attn: Rico Tempel

Work Order #: J0812169
Date: 1/6/2009
Work ID: Mendenhall WW Plant
Date Received: 12/22/2008



SP-Analytica, Inc. - Juneau
5438 Shaune Drive
Juneau, AK 99801
Phone: 907-780-6668

Case Narrative

Analytica Alaska Southeast
Work Order: J0812169

Samples were prepared and analyzed according to EPA or equivalent methods outlined in the following references:

- Methods for Chemical Analysis of Water and Wastes, USEPA 600/4-79-020, March 1983.
- Standard Methods for the Examination of Water and Wastewater, 19th Edition, 1995.

SAMPLE RECEIPT:

There were 1 samples received on 12/22/2008 1:35:00 PM. Samples were received at a temperature of 0.7 deg C in cooler 1 at Analytica-Juneau. The cooler was opened on 12/22/2008. Samples were received in good condition and in order per chain of custody.

REVIEW FOR COMPLIANCE WITH ANALYTICA QA PLAN:

All analytical results contained in this report have been reviewed under Analytica's internal quality assurance and quality control program. Any deviations in quality control parameters for specific analyses are noted in the following text. A complete quality assurance report, including laboratory control, matrix spike, and sample duplicate recoveries is kept on file in our office and is available upon request.

All method specifications were met for the following tests, unless otherwise noted:

Test Method: SM9222D Fecal Coliform by MF - Fecal by Mem Filt - Aqueous

Summary of Detected Analytes

Analytica Alaska Southeast

Workorder (SDG): J0812169
 Project: Mendenhall WW Plant
 Client: City and Borough of Juneau, Alaska
 Client Project Number: MWWTTP

MWWTTP Effluent Grab A

Client Sample Name: **MWWTTP Effluent Grab A** Matrix: Aqueous
 Collection Date: 12/22/2008 1:10:00PM

Analyte	Result	POL	Units	Analysis Date	Flags	Analyst	Method
Fecal Coliform Bacteria by MF	2.86	1.4	CFU/100mL	12/22/08 16:40		al	SM9222D Fecal Coliform by MF - Fecal by Mem Filtr



Cooler Receipt Form

Client: City and Borough of Juneau, A Client Code: 011760 Order #: J0812169
 Project: Mendenhall WW Plant

Cooler ID: 1

A. Preliminary Examination Phase:

Date cooler opened: 12/22/2008
 Cooler opened by: al

Signature: _____

- | | | | |
|---|-------|-------------------------|-----------------------------|
| 1. Was airbill Attached? | N/A | Airbill #: | Carrier Name: Client |
| 2. Custody Seals? | N/A | How many? 0 | Location: |
| 3. Seals intact? | Yes | | Seal Name: |
| 4. COC Attached? | Yes | Properly Completed? | Signed by AEL employee? Yes |
| 5. Project identification from custody paper: | MWWTP | Temperature: 0.7 deg. C | |
| 6. Preservative: | | | |

Designated person initial here to acknowledge receipt: _____

COMMENTS:

B. Log-in Phase:

Samples Log-in Date: 12/22/2008 Log-in By: am

- COMMENTS:**
- | | | | |
|---|-----|------------------------------|-------|
| 1. Packing Type: | | | |
| 2. Were samples in separate bags? | No | Labels agree with COC? | Yes |
| 3. Were containers intact? | Yes | Number of samples received: | 1 |
| 4. Number of bottles received: | 1 | Correct preservatives added? | N/A |
| 5. Correct containers used? | Yes | | |
| 6. Sufficient sample volume? | N/A | | |
| 7. Bubbles in VOA samples? | N/A | | |
| 8. Was Project manager called and status discussed? | No | By whom? | _____ |
| 9. Was anyone called? | No | Date: | _____ |



SP-Analytica, Inc. - Juneau
5438 Shaune Drive
Juneau, AK 99801
Phone: 907-780-6668

1/6/2009
City and Borough of Juneau, Alaska
2009 Radcliffe Road
Juneau, AK 99801
Attn: Rico Tempel

Work Order #: J0812170
Date: 1/6/2009
Work ID: Mendenhall WW Plant
Date Received: 12/22/2008

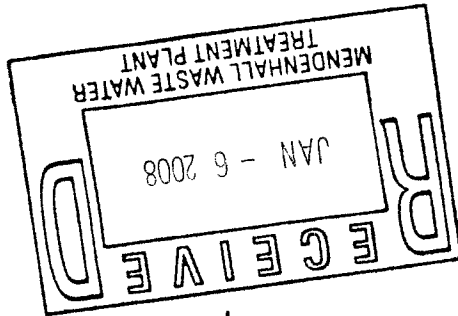
Sample Identification

Lab Sample Number	Client Description	Lab Sample Number	Client Description
J0812170-01	MWWTP Effluent Grab B		

Enclosed are the analytical results, in summary format, for the submitted sample(s). Please review the CASE NARRATIVE for a discussion of any data and/or quality control issues.

Sincerely,

Brian Doyle
Project Manager



Duplicate Fecal Coliform
SAMPLE

Case Narrative

*Analytica Alaska Southeast
Work Order: J0812170*

Samples were prepared and analyzed according to EPA or equivalent methods outlined in the following references:

- Methods for Chemical Analysis of Water and Wastes, USEPA 600/4-79-020, March 1983.
- Standard Methods for the Examination of Water and Wastewater, 19th Edition, 1995.

SAMPLE RECEIPT:

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REVIEW FOR COMPLIANCE WITH ANALYTICA QA PLAN:

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All method specifications were met for the following tests, unless otherwise noted:

Test Method: SM9222D Fecal Coliform by MF - Fecal by Mem Filt - Aqueous

Summary of Detected Analytes

Analytica Alaska Southeast

Workorder (SDG): J0812170

Project: Mendenhall WW Plant

Client: City and Borough of Juneau, Alaska

Client Project Number: MWWTTP

MWWTTP Effluent Grab B

Client Sample Name: MWWTTP Effluent Grab B
Matrix: Aqueous
Collection Date: 12/22/2008 1:10:00PM

Analyte	Result	PQL	Units	Analysis Date	Flags	Analyst	Method
Fecal Coliform Bacteria by MF	5.71	1.4	CFU/100mL	12/22/08 16:40		al	SM9222D Fecal Coliform by MF - Fecal by Mem Fill



Cooler Receipt Form

Client: City and Borough of Juneau, A Client Code: 011760 Order #: J0812170
Project: Mendenhall WW Plant

Cooler ID: 1

A. Preliminary Examination Phase:

Date cooler opened: 12/22/2008
Cooler opened by: al

Signature: _____

Carrier Name: Client

Seal Name: _____

- | | | | |
|---|-------|-------------------------|------------|
| 1. Was airbill attached? | N/A | Airbill #: | _____ |
| 2. Custody Seals? | N/A | How many? | 0 |
| 3. Seals intact? | Yes | Location: | _____ |
| 4. COC Attached? | Yes | Properly Completed? | Yes |
| 5. Project identification from custody paper: | MWTP | Signed by AEL employee? | Yes |
| 6. Preservative: | _____ | Temperature: | 0.7 deg. C |

Designated person initial here to acknowledge receipt: _____

COMMENTS:

B. Log-in Phase: Samples Log-in Date: 12/22/2008 Log-in By: am

1. Packing Type:

- | | |
|---|-----|
| 1. Were samples in separate bags? | No |
| 2. Were containers intact? | Yes |
| 3. Number of bottles received: | 1 |
| 4. Correct containers used? | Yes |
| 5. Sufficient sample volume? | N/A |
| 6. Bubbles in VOA samples? | N/A |
| 7. Was Project manager called and status discussed? | No |
| 8. Was anyone called? | No |

COMMENTS:

By whom? _____ Date: _____

Date: 01-08-2009
Re: Permit communication
Permit: AK-002295-1

Alaska Department of Environmental Conservation
Division of Water
555 Cordova Street
Anchorage, AK 99501

CERTIFIED MAIL # 7004 0550 0001 2296 3097

This letter is to follow up on a telephone call I placed with Sally Wanstall today regarding a violation of the Mendenhall WWTP (MWWT) .

The TSS removal efficiency for December 2008 was 84.1 %, while the minimum removal efficiency per permit is 85 %. This violation occurred because of lower than average TSS in the influent.

Also, I called in a violation and sent a letter (certified mail # 7004 0550 0001 2296 3080) on December 31, 2008 regarding a violation which turned out to be not a violation.

I calculated the removal efficiency for one day (12-10-2008), while per permit we are to report the removal efficiency average for the whole month

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION 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. SE 18 USC 1001 AND 22 USC 1319 (PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$10,000 AND OR MAXIMUM IMPRISONMENT OF BETWEEN 5 MONTHS AND SIX YEARS)

If you have any question or concerns please call me at (907) 586-0393

Sincerely,

Rico Tempel

Mendenhall & Auke Bay W/W Treatment Plants Sr. Operator

Cc: Sally Wanstall ADEC

Joe Buck, Public Works Director, CBJ
Scott Jeffers, WW Superintendent, CBJ

File
DMR

Date: 12-31-2008
Re: Permit communication
Permit: AK-002295-1

Alaska Department of Environmental Conservation
Division of Water
555 Cordova Street
Anchorage, AK 99501

CERTIFIED MAIL # 7004 0550 0001 2296 3080

This letter is to follow up on the message I left on Sally Wanstall ADEC Juneau voice mail today regarding two violations of the Mendenhall WTP (MWWT) on 12-10-2008.

On the above mentioned date the MWWT violated on removal efficiency on both TSS and BOD due to lower then average influent loading.

BOD : influent 109 mg/l

effluent 21.0 mg/l

removal efficiency 80.7 %

TSS : influent 110 mg/l

effluent 20.0 mg/l

removal efficiency 81.2 %

Minimal removal efficiency for BOD and TSS is 85 % per permit

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION 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. SE 18 USC 1001 AND 22 USC 1319 (PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$10,000 AND OR MAXIMUM IMPRISONMENT OF BETWEEN 5 MONTHS AND SIX YEARS)

If you have any question or concerns please call me at (907) 586-0393

Sincerely

Rico Tempel

Mendenhall & Auke Bay W/W Treatment Plants Sr. Operator

Cc: Sally Wanstall ADEC

Joe Buck, Public Works Director, CBJ

Scott Jeffers, WW Superintendent, CBJ

DMR

MENDENHALL WASTEWATER TREATMENT FACILITY

Juneau, Alaska

December 2008

FLOWS				INFLUENT										EFFLUENT										MISC
SBR UENT MGD	Mend. River CFS	SBR TTL EFFL MGD	Receiving Water Dilution	SBR WASTE MGD	TEMP °C	pH	D.O. mg/L	S.S. mg/L	S.S. LBS	B.O.D. mg/L	B.O.D. LBS	TEMP °C	pH	D.O. mg/L	TURBID. MAX NTU	S.S. mg/L	S.S. LBS	B.O.D. mg/L	B.O.D. LBS	FECAL COLIFORM /100 ml	POWER METER READING			
2.28	277	2.25	80.5 /1	0.0345	11.0	7.5						11.0	6.9	9.1	9.1						48			
2.47	291	2.08	81.4 /1	0.0393	11.0	7.3						11.0	6.8	9.1	9.1					1.4	49			
2.26	262	1.96	87.4 /1	0.0448	10.0	7.3						11.0	6.7	4.4	9.0	23.0	387.5	17.3	291.4	1.0	51			
2.20	215	2.02	69.8 /1	0.0566	10.0	7.3	7.2	160	2695	192	3235	10.0	6.7	9.7	10.1						48			
2.14	227	2.05	72.5 /1	0.0646	11.0	7.2						10.0	6.9	10.1							51			
2.20	244	2.12	75.4 /1	0.0678	10.0	7.3															50			
2.49	255	2.46	68.0 /1	0.0421																	50			
2.55	277	2.38	76.2 /1	0.0386																	48			
2.57	295	2.37	81.4 /1	0.0522	11.0	7.3						11.0	6.7	9.1	9.1					5.7	51			
2.63	517	2.56	131.5 /1	0.0491	10.0	7.4						10.0	6.8	9.7	9.7					1.4	52			
2.70	738	2.71	176.9 /1	0.0498	9.0	7.2	110	2486	109	2464		10.0	6.8	8.8	8.8	20.0	452.0	21.0	474.6		51			
2.51	718	2.48	188.0 /1	0.0521	10.0	7.2						9.0	6.7	8.7	8.7						51			
2.36	353	2.41	95.6 /1	0.0524	10.0	7.3						10.0	6.7	8.3	8.3						49			
2.41	196	2.36	54.7 /1	0.0484																	49			
2.47	173	2.39	47.8 /1	0.0359																	49			
2.43	205	2.30	58.6 /1	0.0424	10.0	6.9						10.0	6.8	9.6	9.6					1.4	52			
2.41	159	2.18	48.1 /1	0.0508	10.0	7.1						10.0	6.6	9.8	9.8					1.0	55			
2.38	132	2.37	37.0 /1	0.0613	10.0	7.1						10.0	6.7	10.3	10.3						51			
2.42	173	2.27	50.2 /1	0.0588	10.0	7.2						10.0	6.9	8.6	8.6						49			
2.36	116	2.02	38.1 /1	0.0545	10.0	7.1						10.0	7.1	9.3	9.3						50			
2.37	146	2.05	47.0 /1	0.0394																	141.7			
2.32	146	2.05	47.0 /1	0.0346																	50			
2.33	151	2.00	49.8 /1	0.0427	10.0	7.1						10.0	6.6	9.5	9.5					5.7	54			
2.36	151	1.98	50.3 /1	0.0571	9.0	7.0						10.0	6.7	10.7	10.7					2.9	50			
2.33	151	1.97	50.5 /1	0.0563	9.0	7.3						10.0	6.7	10.2	10.2						53			
2.25	141	1.86	50.0 /1	0.0511	10.0	7.3						10.0	6.9	8.6	8.6						52			
2.22	141	1.89	49.2 /1	0.0464	10.0	7.5						10.0	7.1	9.3	9.3						49			
2.21	141	1.82	51.0 /1	0.0383																	50			
66.63		61.36		1.3619																				
2.70	738	2.71	176.9 /1	0.0678	11.0	7.5	7.2	160	2695	192	3235	12.0	7.1	4.4	11.0	23.0	452.0	21.0	474.6	5.7	55			
2.14	116	1.82	42.2 /1	0.0345	9.0	6.9	7.2	110	2486	109	2464	9.0	6.5	4.4	8.3	20.0	387.5	17.3	291.4	1.0	48			
2.38	249.7	2.1914	74.6 /1	0.0486	10.0	7.2	7.2	135.0	2590.8	150.5	2849.1	10.3	6.8	4.4	9.5	21.5	419.8	19.2	383.0	2.0	50.6			

% REMOVAL	
B.O.D.	87.3
S.S.	84.1

POWER USAGE IN KILOWATT-HOURS	
TOTAL	226720

WEEK	WEEKLY AVERAGE				WEEKLY COLIFORM	
	BOD mg/l	lbs	TSS mg/l	lbs	Geo. Mean	Geo. Mean
1	17.3	291.4	23.0	387.5	1.2	1.2
2	21.0	474.6	20.0	452.0	2.8	2.8
3					1.2	1.2
4					4.0	4.0
AVG	19.2	383.0	21.5	419.8	2.0	2.0
MAX	21.0	474.6	23.0	452.0	4.0	4.0

December 2008		
Copper	17.7 ug/L	0.290 LBS
Lead	no test	no test
Silver	no test	no test
Zinc	no test	no test
NH3 mg/L	14.0	228.85

December 2008	
Hrd. mg/l	72.0
Alk. mg/l	132.0
D.O. mg/l	4.4
Turb. NTU	11.0

Tox. TUc	N/A
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STATE AVERAGE FECAL COLIFORM COLONIES
 DATE 12-31-08
 BLANKS TESTING AND DUPLICATE FC TESTING