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Permit

Permit ID:	ID0022063	Major:	<input checked="" type="checkbox"/>
Permittee:	NAMPA, CITY OF	Permittee Address:	340 WEST RAILROAD STREET NAMPA , ID836871741
Facility:	NAMPA, CITY OF - NAMPA WWTP	Facility Location:	340 WEST RAILROAD STREET NAMPA , ID83687-8208
Permitted Feature:	001 - External Outfall	Discharge:	001-A - Indian Creek

Report Dates & Status

Monitoring Period:	From 08/01/19 to 08/31/19	DMR Due Date:	09/20/19
Status:	NetDMR Validated		

Considerations for Form Completion

O=Effluent, 4 month rolling avg. limits; P=Effluent, See Table 1, note 10 for samples to be collected on the same day; Q=Effluent, See Permit Part 1.B.8 for sampling procedures; R=Effluent; full narrative description in Permit Part I.B.3; S=Effluent; soluble reactive Phosphorus

Principal Executive Officer

First Name:	Shannon	Last Name:	Johnson
Title:	Assistant Superintendent	Telephone:	208-468-5840

No Data Indicator (NODI)

Form NODI: -

Parameter		NODI	Quantity or Loading			Quality or Concentration				# of Ex.	Freq. of Analysis	Smpl. Type
Code	Name		Value 1	Value 2	Units	Value 1	Value 2	Value 3	Units			
00094	Conductivity	Smpl.					=1046	=1046	11 - umho/cm	0	01/30 - Monthly	24 - COMP24
P - See Comments												
Season: 0		Req.					Req Mon MO AVG	Req Mon DAILY MX	11 - umho/cm		01/30 - Monthly	24 - COMP24
NODI: -		NODI										
00300	Oxygen, dissolved [DO]	Smpl.				=7.9			19 - mg/L	0	06/07 - Six Every Week	GR - GRAB
1 - Effluent Gross												

Parameter		NODI	Quantity or Loading			Quality or Concentration				# of Ex.	Freq. of Analysis	Smpl. Type	
Code	Name		Value 1	Value 2	Units	Value 1	Value 2	Value 3	Units				
00681	Carbon, dissolved organic [as C]	Smpl.					=8.5	=8.5	19 - mg/L	0	01/30 - Monthly	24 - COMP24	
P - See Comments													
Season: 0			Req.					Req Mon MO AVG	Req Mon DAILY MX	19 - mg/L		01/30 - Monthly	24 - COMP24
NODI: -		NODI											
00718	Cyanide, weak acid, dissociable	Smpl.	=0.28	=0.28	26 - lb/d		=2.54	=2.54	28 - ug/L	0	01/30 - Monthly	CG - CMPGRB	
Q - See Comments													
Season: 0			Req.	<=1.5 MO AVG	<=1.5 DAILY MX	26 - lb/d		<=10 MO AVG	<=10 DAILY MX	28 - ug/L		01/30 - Monthly	CG - CMPGRB
NODI: -		NODI											
00900	Hardness, total [as CaCO3]	Smpl.					=188	=188	19 - mg/L	0	01/30 - Monthly	24 - COMP24	
P - See Comments													
Season: 0			Req.					Req Mon MO AVG	Req Mon DAILY MX	19 - mg/L		01/30 - Monthly	24 - COMP24
NODI: -		NODI											
04157	Phosphorus [reactive as P]	Smpl.					=1.1	=1.1	19 - mg/L	0	01/30 - Monthly	24 - COMP24	
S - See Comments													
Season: 0			Req.					Req Mon MO AVG	Req Mon WKLY AVG	19 - mg/L		01/30 - Monthly	24 - COMP24
NODI: -		NODI											
31648	E. coli, MTEC-MF	Smpl.					=21.5	=42.6	13 - #/100mL	0	13/30 - 13 Per Month	GR - GRAB	
1 - Effluent Gross													
Season: 0			Req.					<=126 MO GEOMN	<=576 INST MAX	13 - #/100mL		10/30 - Ten Per Month	GR - GRAB
NODI: -		NODI											
45613	Floating solids, waste or visible foam-visual	Smpl.		=0	9P - N=0;Y=1					0	01/30 - Monthly	VI - VISUAL	
R - See Comments													
Season: 0			Req.		<=0 MO MAX	9P - N=0;Y=1						01/30 - Monthly	VI - VISUAL
NODI: -		NODI											
50050	Flow, in conduit or thru treatment plant	Smpl.	=11.6	=13.4	03 - MGD					0	99/99 - Continuous	RC - Recorder (auto)	

Parameter		NODI	Quantity or Loading			Quality or Concentration				# of Ex.	Freq. of Analysis	Smpl. Type
Code	Name		Value 1	Value 2	Units	Value 1	Value 2	Value 3	Units			
1 - Effluent Gross												
Season: 0		Req.	Req Mon MO AVG	Req Mon DAILY MX	03 - MGD						99/99 - Continuous	RC - Recorder (auto)
NODI: -		NODI										
71900	Mercury, total [as Hg]	Smpl.					=0.0295	=0.0295	28 - ug/L	0	01/30 - Monthly	24 - COMP24
G - Raw Sewage Influent												
Season: 0		Req.					Req Mon MO AVG	Req Mon DAILY MX	28 - ug/L		01/30 - Monthly	24 - COMP24
NODI: -		NODI										
81010	BOD, 5-day, percent removal	Smpl.				=98.1			23 - %	0	01/30 - Monthly	CA - CALCTD
K - Percent Removal												
Season: 0		Req.				>=85 MO AV MN			23 - %		01/30 - Monthly	CA - CALCTD
NODI: -		NODI										
81011	Solids, suspended percent removal	Smpl.				=96.9			23 - %	0	01/30 - Monthly	CA - CALCTD
K - Percent Removal												
Season: 0		Req.				>=85 MO AV MN			23 - %		01/30 - Monthly	CA - CALCTD
NODI: -		NODI										

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
WAAugust2019.xlsx	xlsx	18394
OnePerLineAugust2019.xlsx	xlsx	18198
RollingTSSAugust2019.xls	xls	41472

Report Last Saved By

NAMPA, CITY OF

User: MARTINEZA
Name: Armando Martinez
E-Mail: martineza@cityofnampa.us
Date/Time: 2019-09-19 14:13 (Time Zone:-06:00)

Report Last Signed By

User: JOHNSONS@CITYOFNAMPA.US
Name: Shannon Johnson
E-Mail: johnsons@cityofnampa.us
Date/Time: 2019-09-19 14:15 (Time Zone:-06:00)



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Permit

Permit ID:	ID0022063	Major:	<input checked="" type="checkbox"/>
Permittee:	NAMPA, CITY OF	Permittee Address:	340 WEST RAILROAD STREET NAMPA , ID836871741
Facility:	NAMPA, CITY OF - NAMPA WWTP	Facility Location:	340 WEST RAILROAD STREET NAMPA , ID83687-8208
Permitted Feature:	001 - External Outfall	Discharge:	001-B1 - Indian Creek : start 11/01/2017

Report Dates & Status

Monitoring Period:	From 08/01/19 to 08/31/19	DMR Due Date:	09/20/19
Status:	NetDMR Validated		

Considerations for Form Completion

Principal Executive Officer

First Name:	Shannon	Last Name:	Johnson
Title:	Assistant Superintendent	Telephone:	208-468-5840

No Data Indicator (NODI)

Form NODI: -

Parameter		NODI	Quantity or Loading			Quality or Concentration				# of Ex.	Freq. of Analysis	Smpl. Type
Code	Name		Value 1	Value 2	Units	Value 1	Value 2	Value 3	Units			
50060	Chlorine, total residual	Smpl.	=0.27	=1.09	26 - lb/d	<3	=11		28 - ug/L	0	01/01 - Daily	GR - GRAB
1 - Effluent Gross												
Season: 0		Req.	<=7.5 MO AVG	<=7.5 DAILY MX	26 - lb/d	<=50 MO AVG	<=50 DAILY MX		28 - ug/L		05/WK - Five Per Week	GR - GRAB
NODI: -		NODI										

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments**Attachments**

Name	Type	Size
ChlorineLoadingAugust2019.xls	xls	36864

Report Last Saved By**NAMPA, CITY OF**

User: MARTINEZA
Name: Armando Martinez
E-Mail: martineza@cityofnampa.us
Date/Time: 2019-09-19 14:22 (Time Zone:-06:00)

Report Last Signed By

User: JOHNSONS@CITYOFNAMPA.US
Name: Shannon Johnson
E-Mail: johnsons@cityofnampa.us
Date/Time: 2019-09-19 14:23 (Time Zone:-06:00)



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Permit

Permit ID:	ID0022063	Major:	<input checked="" type="checkbox"/>
Permittee:	NAMPA, CITY OF	Permittee Address:	340 WEST RAILROAD STREET NAMPA , ID836871741
Facility:	NAMPA, CITY OF - NAMPA WWTP	Facility Location:	340 WEST RAILROAD STREET NAMPA , ID83687-8208
Permitted Feature:	001 - External Outfall	Discharge:	001-B2 - Indian Creek - Temp. start 11/01/2017

Report Dates & Status

Monitoring Period:	From 08/01/19 to 08/31/19	DMR Due Date:	09/20/19
Status:	NetDMR Validated		

Considerations for Form Completion

Q=Effluent, Table 1, note 7. Report Mo Inst Max, Max Daily Avg, 7 Day Running Avg of Daily Inst Max

Principal Executive Officer

First Name:	Shannon	Last Name:	Johnson
Title:	Assistant Superintendent	Telephone:	208-468-5840

No Data Indicator (NODI)

Form NODI: -

Parameter		NODI	Quantity or Loading			Quality or Concentration				# of Ex.	Freq. of Analysis	Smpl. Type
Code	Name		Value 1	Value 2	Units	Value 1	Value 2	Value 3	Units			
00010	Temperature, water deg. centigrade	Smpl.				=22.5	=22.6	=22.7	04 - deg C	0	99/99 - Continuous	RC - Recorder (auto)
Q - See Comments												
Season: 0		Req.				Req Mon MX DA AV	Req Mon MX 7D AV	Req Mon INST MAX	04 - deg C		99/99 - Continuous	RC - Recorder (auto)
NODI: -		NODI										

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
OutfallAugust2019.xlsx	xlsx	21742

Report Last Saved By

NAMPA, CITY OF

User: MARTINEZA
Name: Armando Martinez
E-Mail: martineza@cityofnampa.us
Date/Time: 2019-09-19 14:22 (Time Zone:-06:00)

Report Last Signed By

User: JOHNSONS@CITYOFNAMPA.US
Name: Shannon Johnson
E-Mail: johnsons@cityofnampa.us
Date/Time: 2019-09-19 14:26 (Time Zone:-06:00)



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Permit

Permit ID:	ID0022063	Major:	<input checked="" type="checkbox"/>
Permittee:	NAMPA, CITY OF	Permittee Address:	340 WEST RAILROAD STREET NAMPA , ID836871741
Facility:	NAMPA, CITY OF - NAMPA WWTP	Facility Location:	340 WEST RAILROAD STREET NAMPA , ID83687-8208
Permitted Feature:	001 - External Outfall	Discharge:	001-C1 - Indian Creek - Phosphorus

Report Dates & Status

Monitoring Period:	From 08/01/19 to 08/31/19	DMR Due Date:	09/20/19
Status:	NetDMR Validated		

Considerations for Form Completion

Principal Executive Officer

First Name:	Shannon	Last Name:	Johnson
Title:	Assistant Superintendent	Telephone:	208-468-5840

No Data Indicator (NODI)

Form NODI: -

Parameter		NODI	Quantity or Loading			Quality or Concentration				# of Ex.	Freq. of Analysis	Smpl. Type
Code	Name		Value 1	Value 2	Units	Value 1	Value 2	Value 3	Units			
00665	Phosphorus, total [as P]	Smpl.	=67	=120	26 - lb/d		=0.67	=1.23	19 - mg/L	0	03/07 - Three Per Week	24 - COMP24
1 - Effluent Gross												
Season: 0		Req.	Req Mon MO AVG	Req Mon MX WK AV	26 - lb/d		Req Mon MO AVG	Req Mon MX WK AV	19 - mg/L		02/07 - Twice Every Week	24 - COMP24
NODI: -		NODI										

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments**Attachments**

No attachments.

Report Last Saved By**NAMPA, CITY OF**

User: MARTINEZA
Name: Armando Martinez
E-Mail: martineza@cityofnampa.us
Date/Time: 2019-09-19 14:20 (Time Zone:-06:00)

Report Last Signed By

User: JOHNSONS@CITYOFNAMPA.US
Name: Shannon Johnson
E-Mail: johnsons@cityofnampa.us
Date/Time: 2019-09-19 14:29 (Time Zone:-06:00)

Parameter		NODI	Quantity or Loading			Quality or Concentration				# of Ex.	Freq. of Analysis	Smpl. Type
Code	Name		Value 1	Value 2	Units	Value 1	Value 2	Value 3	Units			
Season: 0		Req.	<=.0036 MO AVG		26 - lb/d		<=.024 MO AVG		28 - ug/L		01/30 - Monthly	24 - COMP24
NODI: -		NODI										

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

NAMPA, CITY OF

User: MARTINEZA
 Name: Armando Martinez
 E-Mail: martineza@cityofnampa.us
 Date/Time: 2019-09-19 14:19 (Time Zone:-06:00)

Report Last Signed By

User: JOHNSONS@CITYOFNAMPA.US
 Name: Shannon Johnson
 E-Mail: johnsons@cityofnampa.us
 Date/Time: 2019-09-19 14:28 (Time Zone:-06:00)



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Permit

Permit ID:	ID0022063	Major:	<input checked="" type="checkbox"/>
Permittee:	NAMPA, CITY OF	Permittee Address:	340 WEST RAILROAD STREET NAMPA , ID836871741
Facility:	NAMPA, CITY OF - NAMPA WWTP	Facility Location:	340 WEST RAILROAD STREET NAMPA , ID83687-8208
Permitted Feature:	REC - External Outfall	Discharge:	REC-A1 - Indian Creek, Upstream

Report Dates & Status

Monitoring Period:	From 08/01/19 to 08/31/19	DMR Due Date:	09/20/19
Status:	NetDMR Validated		

Considerations for Form Completion

Principal Executive Officer

First Name:	Shannon	Last Name:	Johnson
Title:	Assistant Superintendent	Telephone:	208-468-5840

No Data Indicator (NODI)

Form NODI: -

Parameter		NODI	Quantity or Loading			Quality or Concentration				# of Ex.	Freq. of Analysis	Smpl. Type
Code	Name		Value 1	Value 2	Units	Value 1	Value 2	Value 3	Units			
00010	Temperature, water deg. centigrade	Smpl.					=19.4	=20.1	04 - deg C	0	99/99 - Continuous	RC - Recorder (auto)
5 - Upstream Monitoring												
Season: 0		Req.					Req Mon MO AVG	Req Mon INST MAX	04 - deg C		99/99 - Continuous	RC - Recorder (auto)
NODI: -		NODI										

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
UpstreamAugust2019.xlsx	xlsx	23005

Report Last Saved By

NAMPA, CITY OF

User: MARTINEZA
Name: Armando Martinez
E-Mail: martineza@cityofnampa.us
Date/Time: 2019-09-19 14:22 (Time Zone:-06:00)

Report Last Signed By

User: JOHNSONS@CITYOFNAMPA.US
Name: Shannon Johnson
E-Mail: johnsons@cityofnampa.us
Date/Time: 2019-09-19 14:31 (Time Zone:-06:00)

Parameter		NODI	Quantity or Loading			Quality or Concentration				# of Ex.	Freq. of Analysis	Smpl. Type
Code	Name		Value 1	Value 2	Units	Value 1	Value 2	Value 3	Units			
Season: 0		Req.						Req Mon INST MAX	43 - NTU		01/07 - Weekly	GR - GRAB
NODI: -		NODI										
00310	BOD, 5-day, 20 deg. C	Smpl.						<2	19 - mg/L	0	01/30 - Monthly	GR - GRAB
5 - Upstream Monitoring												
Season: 0		Req.						Req Mon INST MAX	19 - mg/L		01/30 - Monthly	GR - GRAB
NODI: -		NODI										
00600	Nitrogen, total [as N]	Smpl.						=2.71	19 - mg/L	0	01/30 - Monthly	GR - GRAB
5 - Upstream Monitoring												
Season: 0		Req.						Req Mon INST MAX	19 - mg/L		01/30 - Monthly	GR - GRAB
NODI: -		NODI										
00665	Phosphorus, total [as P]	Smpl.						=260	28 - ug/L	0	01/30 - Monthly	GR - GRAB
5 - Upstream Monitoring												
Season: 0		Req.						Req Mon INST MAX	28 - ug/L		01/30 - Monthly	GR - GRAB
NODI: -		NODI										
32230	Chlorophyll A	Smpl.						<0.32	28 - ug/L	0	01/30 - Monthly	GR - GRAB
5 - Upstream Monitoring												
Season: 0		Req.						Req Mon INST MAX	28 - ug/L		01/30 - Monthly	GR - GRAB
NODI: -		NODI										

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

NAMPA, CITY OF

User:

MARTINEZA

Name: Armando Martinez
E-Mail: martineza@cityofnampa.us
Date/Time: 2019-09-19 14:24 (Time Zone:-06:00)

Report Last Signed By

User: JOHNSONS@CITYOFNAMP.A.US
Name: Shannon Johnson
E-Mail: johnsons@cityofnampa.us
Date/Time: 2019-09-19 14:32 (Time Zone:-06:00)



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Permit

Permit ID:	ID0022063	Major:	<input checked="" type="checkbox"/>
Permittee:	NAMPA, CITY OF	Permittee Address:	340 WEST RAILROAD STREET NAMPA , ID836871741
Facility:	NAMPA, CITY OF - NAMPA WWTP	Facility Location:	340 WEST RAILROAD STREET NAMPA , ID83687-8208
Permitted Feature:	REC - External Outfall	Discharge:	REC-B1 - Indian Creek, Downstream
Report Dates & Status		DMR Due Date:	09/20/19
Monitoring Period:	From 08/01/19 to 08/31/19		
Status:	NetDMR Validated		

Considerations for Form Completion

Principal Executive Officer

First Name:	Shannon	Last Name:	Johnson
Title:	Assistant Superintendent	Telephone:	208-468-5840

No Data Indicator (NODI)

Form NODI: -

Parameter		NODI	Quantity or Loading			Quality or Concentration				# of Ex.	Freq. of Analysis	Smpl. Type
Code	Name		Value 1	Value 2	Units	Value 1	Value 2	Value 3	Units			
00010	Temperature, water deg. centigrade	Smpl.					=20.4	=21	04 - deg C	0	99/99 - Continuous	RC - Recorder (auto)
6 - Downstream Monitoring												
Season: 0		Req.					Req Mon MO AVG	Req Mon INST MAX	04 - deg C		99/99 - Continuous	RC - Recorder (auto)
NODI: -		NODI										

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
downstreamAugust2019.xlsx	xlsx	22485

Report Last Saved By

NAMPA, CITY OF

User: MARTINEZA
Name: Armando Martinez
E-Mail: martineza@cityofnampa.us
Date/Time: 2019-09-19 14:25 (Time Zone:-06:00)

Report Last Signed By

User: JOHNSONS@CITYOFNAMPA.US
Name: Shannon Johnson
E-Mail: johnsons@cityofnampa.us
Date/Time: 2019-09-19 14:33 (Time Zone:-06:00)



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Permit

Permit ID:	ID0022063	Major:	<input checked="" type="checkbox"/>
Permittee:	NAMPA, CITY OF	Permittee Address:	340 WEST RAILROAD STREET NAMPA , ID836871741
Facility:	NAMPA, CITY OF - NAMPA WWTP	Facility Location:	340 WEST RAILROAD STREET NAMPA , ID83687-8208
Permitted Feature:	REC - External Outfall	Discharge:	REC-B2 - Indian Creek, Downstream
Report Dates & Status		DMR Due Date:	09/20/19
Monitoring Period:	From 08/01/19 to 08/31/19		
Status:	NetDMR Validated		

Considerations for Form Completion

Principal Executive Officer

First Name:	Shannon	Last Name:	Johnson
Title:	Assistant Superintendent	Telephone:	208-468-5840

No Data Indicator (NODI)

Form NODI: -

Parameter		NODI	Quantity or Loading			Quality or Concentration				# of Ex.	Freq. of Analysis	Smpl. Type
Code	Name		Value 1	Value 2	Units	Value 1	Value 2	Value 3	Units			
00070	Turbidity	Smpl.						=7.2	43 - NTU	0	01/07 - Weekly	GR - GRAB
6 - Downstream Monitoring												
Season: 0		Req.						Req Mon INST MAX	43 - NTU		01/07 - Weekly	GR - GRAB
NODI: -		NODI										
00600	Nitrogen, total [as N]	Smpl.						=7.76	19 - mg/L	0	01/30 - Monthly	GR - GRAB
6 - Downstream Monitoring												

Parameter		NODI	Quantity or Loading			Quality or Concentration				# of Ex.	Freq. of Analysis	Smpl. Type
Code	Name		Value 1	Value 2	Units	Value 1	Value 2	Value 3	Units			
Season: 0		Req.						Req Mon INST MAX	19 - mg/L		01/30 - Monthly	GR - GRAB
NODI: -		NODI										
00665	Phosphorus, total [as P]	Smpl.						=860	28 - ug/L	0	01/30 - Monthly	GR - GRAB
6 - Downstream Monitoring												
Season: 0		Req.						Req Mon INST MAX	28 - ug/L		01/30 - Monthly	GR - GRAB
NODI: -		NODI										
00900	Hardness, total [as CaCO3]	Smpl.						=140	19 - mg/L	0	01/30 - Monthly	GR - GRAB
6 - Downstream Monitoring												
Season: 0		Req.						Req Mon INST MAX	19 - mg/L		01/30 - Monthly	GR - GRAB
NODI: -		NODI										
32230	Chlorophyll A	Smpl.						<0.32	28 - ug/L	0	01/30 - Monthly	GR - GRAB
6 - Downstream Monitoring												
Season: 0		Req.						Req Mon INST MAX	28 - ug/L		01/30 - Monthly	GR - GRAB
NODI: -		NODI										

Submission Note

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Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

NAMPA, CITY OF

User: MARTINEZA
 Name: Armando Martinez
 E-Mail: martineza@cityofnampa.us
 Date/Time: 2019-09-19 14:26 (Time Zone:-06:00)

Report Last Signed By

User: JOHNSONS@CITYOFNAMPA.US
 Name: Shannon Johnson

E-Mail: johnsons@cityofnampa.us
Date/Time: 2019-09-19 14:34 (Time Zone:-06:00)

Aug-19

NAMPA WASTEWATER DIVISION

Date	Flow MGD	INFLUENT										* Effluent					EFFLUENT					SHEET 1										
		BOD mg/L	COD mg/L	TSS mg/L	NH3-N mg/L	TKN mg/L	pH s.u.	BOD lbs/day	TSS lbs/day	NH3-N lbs/day	TKN lbs/day	Copper µg/L	Mercury µg/L	Ortho P mg/L	Total P mg/L	Total P lbs	Alkalinity mg/L	* Flow MGD	BOD mg/L	TSS mg/L	NH3-N mg/L	TKN mg/L	pH s.u.	BOD lbs/day	TSS lbs/day	NH3-N lbs/day	TKN lbs/day	Ortho P mg/L	Total P mg/L	Total P lbs	Date	
1	11.192		446	28.7	32.7	7.6			2679	3052						308	* 11.282					7.5									1	
2	11.092	308	585	234		7.8	28492	21647					4.70	435		* 11.292	5	5	0.074		7.5	471	471	6.9			0.36	34		2		
3	10.804					7.7										* 11.035					7.6										3	
4	11.160					7.9										* 11.405					7.6										4	
5	11.299	205	453	184		7.8	19318	17339								* 11.599	5	4	0.07		7.4	484	387				0.94	91		5		
6	11.025		604	23.0	34.4	7.6			2115	3163						* 11.543					7.4										6	
7	11.105	221	515	218		7.6	20468	20190			26.5	0.0295	2.40	4.70	435	* 13.448	5	8	0.20	1.92	7.5	561	897	22.9	215	1.10	1.35	151		7		
8	10.923		475	20.9	31.9	7.6			1904	2906						* 11.794					7.6										8	
9	10.998	220	672	180		7.7	20179	16510					4.10	376		* 11.601	4	6	0.0877		7.5	387	581	8.5			0.55	53		9		
10	10.878					7.8										* 11.434					7.6										10	
11	11.283					7.7										* 11.713					7.5										11	
12	11.255	244	469	196		7.8	22903	18398								* 11.708					7.6										12	
13	11.180		484	29.6	34.3	7.5			2760	3198						* 11.827	4	5	0.27		7.5	395	493	26.3			2.60	256		13		
14	11.141	261	486	212		7.9	24251	19698					2.20	4.55	423	* 11.457	4	6	0.94		7.6	382	573	89.5			0.82	78		14		
15	11.022		525	22.2	32.9	7.5			2041	3024						* 11.436					7.5										15	
16	10.915	232	562	194		7.1	21119	17660					4.79	436		* 11.286	5	6	0.1230		7.6	471	565	11.6			0.27	25		16		
17	10.980					7.7										* 11.269					7.6										17	
18	11.440					7.7										* 11.757					7.7										18	
19	11.360	269	499	261		7.8	25486	24728								* 11.608	5	6	0.37		7.6	484	581	35.8			0.37	36		19		
20	11.154		453	25.9	33.9	7.6			2409	3154						* 11.382					7.4										20	
21	11.183	220	440	171		7.8	20519	15949					3.00	4.65	434	* 11.912	4	6	0.07		7.6	397	596	7.0			0.29	29		21		
22	11.055		588	20.7	35.9	7.7			1909	3310						* 11.541					7.6										22	
23	10.926	236	513	194		7.6	21505	17678					8.90	811		* 11.151	4	6	0.0690		7.6	372	558	6.4			0.31	29		23		
24	10.930					7.6										* 11.159					7.7										24	
25	11.265					7.8										* 11.563					7.6										25	
26	11.128	222	485	191		7.9	20603	17726								* 11.315	5	6	0.06		7.6	472	566	5.9			0.31	29		26		
27	11.165		511	21.9	36.5	7.7			2039	3399						* 11.632					7.5										27	
28	11.132	225	497	212		7.6	20889	19682					2.30	4.65	432	* 11.476	5	10	0.06		7.6	479	957	5.5			0.29	28		28		
29	11.342		472	24.8	34.7	7.7			2346	3282						* 11.854					7.5										29	
30	10.813	243	477	178		7.7	21914	16052					4.50	406		* 11.465	5	6	0.0806		7.6	478	574	7.7			0.31	30		30		
31	10.908					7.6										* 11.257					7.6										31	
TOT	344.053															* 358.201																TOT
MIN	10.804	205	440	171	20.7	31.9	7.1	19318	15949	1904	2906		2.20	4.10	376	294	* 11.035	4	4	0.06	1.92	7.4	372	387	5.5			0.27	25		MIN	
MAX	11.440	308	672	261	29.6	36.5	7.9	28492	24728	2760	3399		3.00	8.90	811	308	* 13.448	5	10	0.94	1.92	7.7	561	957	89.5			2.60	256		MAX	
AVE	11.098	239	510	202	24.2	34.1		22127	18712	2245	3165	26.5	0.03	2.48	5.06	465	301	* 11.555	5	6	0.19	1.92		449	600	19.5	215	1.10	0.67	67		AVE
LBS																																LBS

DMR	Removal %
BOD	TSS
98.07%	96.95%

DMR	NH3 Seasonal	
season	mar-nov	dec-feb
mg/L	1.31	1.41
lb/day	197	212

DMR	TP Seasonal	
season	may-sep	oct-apr
lb/day	15	52.6

Aug-19

DMR Chlorine Loading

Date	Effluent Flow MGD	lab result Effluent Cl ₂ ug/L	Permit assigned concentration mg/L	Effluent Cl ₂ lbs	
1	11.282	<11	0	0	
2	11.292	<11	0	0	
3	11.035	<11	0	0	
4	11.405	13	0.011	1.05	
5	11.599	<11	0	0	
6	11.543	<11	0	0	
7	13.448	<11	0	0	
8	11.794	<11	0	0	
9	11.601	<11	0	0	
10	11.434	39	0.011	1.05	
11	11.713	<11	0	0	
12	11.708	<11	0	0	
13	11.827	11	0.011	1.09	
14	11.457	<11	0	0	
15	11.436	<11	0	0	
16	11.286	<11	0	0	
17	11.269	26	0.011	1.03	
18	11.757	<11	0	0	
19	11.608	15	0.011	1.06	
20	11.382	<11	0	0	
21	11.912	<11	0	0	
22	11.541	12	0.011	1.06	
23	11.151	<11	0	0	
24	11.159	<11	0	0	
25	11.563	17	0.011	1.06	
26	11.315	<11	0	0	
27	11.632	<11	0	0	
28	11.476	<11	0	0	
29	11.854	<11	0	0	
30	11.465	12	0.011	1.05	
31	11.257	<11	0	0	
			0.003	0.27	AVERAGE

DMR REPORTED VALUE
 Permit assigned concentration as per Section I. B. 7; Effluent Cl₂ pounds calculated using permit assigned concentration

Concentrations less than MDL= assign 0 mg/L
 Concentrations between MDL and ML= assign MDL mg/L

ML = 0.10 mg/L
 MDL = 0.011 mg/L

8/1/19

Rolling TSS Ave

Month	TSS(mg/L)	TSS(lbs/day)
May-19	6	536
	4	360
	4	374
	3	278
	4	376
	6	575
	7	680
	3	311
	5	564
	3	329
	5	530
	5	540
	5	560
	4	426
Jun-19	6	640
	4	427
	3	313
	6	607
	9	948
	8	819
	9	920
	7	709
	8	795
	12	1218
Jul-19	13	1285
	21	2087
	12	1202
	7	664
	7	705
	5	515
	6	594
	6	605
	8	813
	6	583
Aug-19	6	597
	5	502
	5	490
	4	412
	2	212
	5	471
	4	387
	8	897
	6	581
	5	493
6	573	
6	565	
6	581	
6	596	
6	558	
6	566	
10	957	
6	574	

4 month Average 6.326923077 633

JMR weekly calculations

Aug-19 Date	Inf tp conc	Eff tss conc lbs	Eff BOD conc lbs	temp C	DO sat %	Eff tp conc lbs
28-Jul	*	*	*	*	*	*
29-Jul	*	4 412	5 514	22.6	106	0.32 32.9
30-Jul	*	*	*	23.1	106	*
31-Jul	4.75	2 212	3 318	23.4	104	0.23 24.4
1-Aug	*	*	*	23.6	108	*
2-Aug	4.70	5 471	5 471	23.7	107	0.36 33.9
3-Aug	*	*	*	23.7	108	*
4-Aug	*	*	*	*	*	*
5-Aug	*	4 387	5 484	23.4	101	0.94 90.9
6-Aug	*	*	*	24.0	104	*
7-Aug	4.70	8 897	5 561	23.6	104	1.35 151
8-Aug	*	*	*	22.7	102	*
9-Aug	4.10	6 581	4 387	22.9	103	0.55 53.2
10-Aug	*	*	*	22.8	103	*
11-Aug	*	*	*	*	*	*
12-Aug	*	*	*	22.4	102	*
13-Aug	*	5 493	4 395	21.9	102	2.60 256
14-Aug	4.55	6 573	4 382	23.0	103	0.82 78.4
15-Aug	*	*	*	23.1	103	*
16-Aug	4.79	6 565	5 471	23.1	103	0.27 25.4
17-Aug	*	*	*	22.8	103	*
18-Aug	*	*	*	*	*	*
19-Aug	*	6 581	5 484	23.5	105	0.37 35.8
20-Aug	*	*	*	23.1	103	*
21-Aug	4.65	6 596	4 397	23.0	102	0.29 28.8
22-Aug	*	*	*	23.1	102	*
23-Aug	8.90	6 558	4 372	23.0	102	0.31 28.8
24-Aug	*	*	*	23.8	105	*
25-Aug	*	*	*	*	*	*
26-Aug	*	6 566	5 472	22.8	101	0.31 29.3
27-Aug	*	*	*	23.2	100	*
28-Aug	4.65	10 957	5 479	23.1	100	0.29 27.8
29-Aug	*	*	*	23.5	103	*
30-Aug	4.50	6 574	5 478	23.7	105	0.31 29.6
31-Aug	*	*	*	23.4	103	*
Averages	*	*	*	*	*	*
Week 1	4.73	4 365	4 434	23.4	106.5	0.30 30
Week 2	4.40	6 622	5 477	23.2	102.8	0.95 99
Week 3	4.67	6 544	4 416	22.7	102.7	1.23 120
Week 4	6.78	6 578	4 418	23.3	103.2	0.32 31
Week 5	4.58	7 699	5 476	23.3	102.0	0.30 29

8/1/2019

Parameter	Date of Sample Collection	Result Value	Analytical Method	Detection/Quantification Level	Remarks
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Total Residual Chlorine	8/1/2019	<11	SM4500Cl G-2000	0.011 mg/L	
Total Residual Chlorine	8/2/2019	<11	SM4500Cl G-2000	0.011 mg/L	
Total Residual Chlorine	8/3/2019	<11	SM4500Cl G-2000	0.011 mg/L	
Total Residual Chlorine	8/4/2019	13	SM4500Cl G-2000	0.011 mg/L	
Total Residual Chlorine	8/5/2019	<11	SM4500Cl G-2000	0.011 mg/L	
Total Residual Chlorine	8/6/2019	<11	SM4500Cl G-2000	0.011 mg/L	
Total Residual Chlorine	8/7/2019	<11	SM4500Cl G-2000	0.011 mg/L	
Total Residual Chlorine	8/8/2019	<11	SM4500Cl G-2000	0.011 mg/L	
Total Residual Chlorine	8/9/2019	<11	SM4500Cl G-2000	0.011 mg/L	
Total Residual Chlorine	8/10/2019	39	SM4500Cl G-2000	0.011 mg/L	
Total Residual Chlorine	8/11/2019	<11	SM4500Cl G-2000	0.011 mg/L	
Total Residual Chlorine	8/12/2019	<11	SM4500Cl G-2000	0.011 mg/L	
Total Residual Chlorine	8/13/2019	11	SM4500Cl G-2000	0.011 mg/L	
Total Residual Chlorine	8/14/2019	<11	SM4500Cl G-2000	0.011 mg/L	
Total Residual Chlorine	8/15/2019	<11	SM4500Cl G-2000	0.011 mg/L	
Total Residual Chlorine	8/16/2019	<11	SM4500Cl G-2000	0.011 mg/L	
Total Residual Chlorine	8/17/2019	26	SM4500Cl G-2000	0.011 mg/L	
Total Residual Chlorine	8/18/2019	<11	SM4500Cl G-2000	0.011 mg/L	
Total Residual Chlorine	8/19/2019	15	SM4500Cl G-2000	0.011 mg/L	
Total Residual Chlorine	8/20/2019	<11	SM4500Cl G-2000	0.011 mg/L	
Total Residual Chlorine	8/21/2019	<11	SM4500Cl G-2000	0.011 mg/L	
Total Residual Chlorine	8/22/2019	12	SM4500Cl G-2000	0.011 mg/L	
Total Residual Chlorine	8/23/2019	<11	SM4500Cl G-2000	0.011 mg/L	
Total Residual Chlorine	8/24/2019	<11	SM4500Cl G-2000	0.011 mg/L	
Total Residual Chlorine	8/25/2019	17	SM4500Cl G-2000	0.011 mg/L	
Total Residual Chlorine	8/26/2019	<11	SM4500Cl G-2000	0.011 mg/L	
Total Residual Chlorine	8/27/2019	<11	SM4500Cl G-2000	0.011 mg/L	
Total Residual Chlorine	8/28/2019	<11	SM4500Cl G-2000	0.011 mg/L	
Total Residual Chlorine	8/29/2019	<11	SM4500Cl G-2000	0.011 mg/L	
Total Residual Chlorine	8/30/2019	12	SM4500Cl G-2000	0.011 mg/L	
Total Residual Chlorine	8/31/2019	<11	SM4500Cl G-2000	0.011 mg/L	
Temperature	8/1/2019	23.6	SM2550 B-2010	0.2° C Calibrated Accuracy	
Temperature	8/2/2019	23.7	SM2550 B-2010	0.2° C Calibrated Accuracy	
Temperature	8/3/2019	23.7	SM2550 B-2010	0.2° C Calibrated Accuracy	
Temperature	8/5/2019	23.4	SM2550 B-2010	0.2° C Calibrated Accuracy	
Temperature	8/6/2019	24	SM2550 B-2010	0.2° C Calibrated Accuracy	
Temperature	8/7/2019	23.6	SM2550 B-2010	0.2° C Calibrated Accuracy	
Temperature	8/8/2019	22.7	SM2550 B-2010	0.2° C Calibrated Accuracy	
Temperature	8/9/2019	22.9	SM2550 B-2010	0.2° C Calibrated Accuracy	
Temperature	8/10/2019	22.8	SM2550 B-2010	0.2° C Calibrated Accuracy	
Temperature	8/12/2019	22.4	SM2550 B-2010	0.2° C Calibrated Accuracy	

*	Temperature	8/13/2019	21.9	SM2550 B-2010	0.2° C Calibrated Accuracy	*
*	Temperature	8/14/2019	23.0	SM2550 B-2010	0.2° C Calibrated Accuracy	*
*	Temperature	8/15/2019	23.1	SM2550 B-2010	0.2° C Calibrated Accuracy	*
*	Temperature	8/16/2019	23.1	SM2550 B-2010	0.2° C Calibrated Accuracy	*
*	Temperature	8/17/2019	22.8	SM2550 B-2010	0.2° C Calibrated Accuracy	*
*	Temperature	8/19/2019	23.5	SM2550 B-2010	0.2° C Calibrated Accuracy	*
*	Temperature	8/20/2019	23.1	SM2550 B-2010	0.2° C Calibrated Accuracy	*
*	Temperature	8/21/2019	23.0	SM2550 B-2010	0.2° C Calibrated Accuracy	*
*	Temperature	8/22/2019	23.1	SM2550 B-2010	0.2° C Calibrated Accuracy	*
*	Temperature	8/23/2019	23	SM2550 B-2010	0.2° C Calibrated Accuracy	*
*	Temperature	8/24/2019	23.8	SM2550 B-2010	0.2° C Calibrated Accuracy	*
*	Temperature	8/26/2019	22.8	SM2550 B-2010	0.2° C Calibrated Accuracy	*
*	Temperature	8/27/2019	23.2	SM2550 B-2010	0.2° C Calibrated Accuracy	*
*	Temperature	8/28/2019	23.1	SM2550 B-2010	0.2° C Calibrated Accuracy	*
*	Temperature	8/29/2019	23.5	SM2550 B-2010	0.2° C Calibrated Accuracy	*
*	Temperature	8/30/2019	23.7	SM2550 B-2010	0.2° C Calibrated Accuracy	*
*	Temperature	8/31/2019	23.4	SM2550 B-2010	0.2° C Calibrated Accuracy	*
*						*
*	Total Ammonia as N	8/2/2019	0.0736	SM4500NH3 E-1997	0.0948 mg/L	*
*	Total Ammonia as N	8/5/2019	0.0661	SM4500NH3 E-1997	0.0948 mg/L	*
*	Total Ammonia as N	8/7/2019	0.204	SM4500NH3 E-1997	0.0948 mg/L	*
*	Total Ammonia as N	8/9/2019	0.0877	SM4500NH3 E-1997	0.0948 mg/L	*
*	Total Ammonia as N	8/13/2019	0.267	SM4500NH3 E-1997	0.0948 mg/L	*
*	Total Ammonia as N	8/14/2019	0.937	SM4500NH3 E-1997	0.0948 mg/L	*
*	Total Ammonia as N	8/16/2019	0.123	SM4500NH3 E-1997	0.0948 mg/L	*
*	Total Ammonia as N	8/19/2019	0.370	SM4500NH3 E-1997	0.0948 mg/L	*
*	Total Ammonia as N	8/21/2019	0.0707	SM4500NH3 E-1997	0.0948 mg/L	*
*	Total Ammonia as N	8/23/2019	0.07	SM4500NH3 E-1997	0.0948 mg/L	*
*	Total Ammonia as N	8/26/2019	0.0623	SM4500NH3 E-1997	0.0948 mg/L	*
*	Total Ammonia as N	8/28/2019	0.0576	SM4500NH3 E-1997	0.0948 mg/L	*
*	Total Ammonia as N	8/30/2019	0.0806	SM4500NH3 E-1997	0.0948 mg/L	*
*						*
*						*
*	Total Phosphorous as P	8/2/2019	0.36	EPA 365.3	0.02 mg/L	*
*	Total Phosphorous as P	8/5/2019	0.94	EPA 365.3	0.02 mg/L	*
*	Total Phosphorous as P	8/7/2019	1.35	EPA 365.3	0.02 mg/L	*
*	Total Phosphorous as P	8/9/2019	0.55	EPA 365.3	0.02 mg/L	*
*	Total Phosphorous as P	8/13/2019	2.60	EPA 365.3	0.02 mg/L	*
*	Total Phosphorous as P	8/14/2019	0.82	EPA 365.3	0.02 mg/L	*
*	Total Phosphorous as P	8/16/2019	0.27	EPA 365.3	0.02 mg/L	*
*	Total Phosphorous as P	8/19/2019	0.37	EPA 365.3	0.02 mg/L	*
*	Total Phosphorous as P	8/21/2019	0.29	EPA 365.3	0.02 mg/L	*
*	Total Phosphorous as P	8/23/2019	0.31	EPA 365.3	0.02 mg/L	*
*	Total Phosphorous as P	8/26/2019	0.31	EPA 365.3	0.02 mg/L	*
*	Total Phosphorous as P	8/28/2019	0.29	EPA 365.3	0.02 mg/L	*

* Total Phosphorous as P	8/30/2019	0.31	EPA 365.3	0.02 mg/L	*
* E. coli	8/2/2019	20.1	SM9223 B-2004	1 organism per 100 mL	*
* E. coli	8/5/2019	20.1	SM9223 B-2004	1 organism per 100 mL	*
* E. coli	8/7/2019	19.5	SM9223 B-2004	1 organism per 100 mL	*
* E. coli	8/9/2019	21.8	SM9223 B-2004	1 organism per 100 mL	*
* E. coli	8/12/2019	42.6	SM9223 B-2004	1 organism per 100 mL	*
* E. coli	8/14/2019	33.1	SM9223 B-2004	1 organism per 100 mL	*
* E. coli	8/16/2019	18.7	SM9223 B-2004	1 organism per 100 mL	*
* E. coli	8/19/2019	14.8	SM9223 B-2004	1 organism per 100 mL	*
* E. coli	8/21/2019	12.1	SM9223 B-2004	1 organism per 100 mL	*
* E. coli	8/23/2019	22.8	SM9223 B-2004	1 organism per 100 mL	*
* E. coli	8/26/2019	24.3	SM9223 B-2004	1 organism per 100 mL	*
* E. coli	8/28/2019	34.5	SM9223 B-2004	1 organism per 100 mL	*
* E. coli	8/30/2019	13.5	SM9223 B-2004	1 organism per 100 mL	*
* Dissolved Oxygen	8/1/2019	8.30	Hach 10360v1.2-2011	0.1 mg/L calibrated accuracy	*
* Dissolved Oxygen	8/2/2019	8.2	Hach 10360v1.2-2011	0.1 mg/L calibrated accuracy	*
* Dissolved Oxygen	8/3/2019	8.31	Hach 10360v1.2-2011	0.1 mg/L calibrated accuracy	*
* Dissolved Oxygen	8/5/2019	7.97	Hach 10360v1.2-2011	0.1 mg/L calibrated accuracy	*
* Dissolved Oxygen	8/6/2019	8.00	Hach 10360v1.2-2011	0.1 mg/L calibrated accuracy	*
* Dissolved Oxygen	8/7/2019	7.97	Hach 10360v1.2-2011	0.1 mg/L calibrated accuracy	*
* Dissolved Oxygen	8/8/2019	8.05	Hach 10360v1.2-2011	0.1 mg/L calibrated accuracy	*
* Dissolved Oxygen	8/9/2019	8.10	Hach 10360v1.2-2011	0.1 mg/L calibrated accuracy	*
* Dissolved Oxygen	8/10/2019	8.10	Hach 10360v1.2-2011	0.1 mg/L calibrated accuracy	*
* Dissolved Oxygen	8/12/2019	8.14	Hach 10360v1.2-2011	0.1 mg/L calibrated accuracy	*
* Dissolved Oxygen	8/13/2019	8.17	Hach 10360v1.2-2011	0.1 mg/L calibrated accuracy	*
* Dissolved Oxygen	8/14/2019	8.10	Hach 10360v1.2-2011	0.1 mg/L calibrated accuracy	*
* Dissolved Oxygen	8/15/2019	8.16	Hach 10360v1.2-2011	0.1 mg/L calibrated accuracy	*
* Dissolved Oxygen	8/16/2019	8.11	Hach 10360v1.2-2011	0.1 mg/L calibrated accuracy	*
* Dissolved Oxygen	8/17/2019	8.07	Hach 10360v1.2-2011	0.1 mg/L calibrated accuracy	*
* Dissolved Oxygen	8/19/2019	8.03	Hach 10360v1.2-2011	0.1 mg/L calibrated accuracy	*
* Dissolved Oxygen	8/20/2019	8.08	Hach 10360v1.2-2011	0.1 mg/L calibrated accuracy	*
* Dissolved Oxygen	8/21/2019	8.00	Hach 10360v1.2-2011	0.1 mg/L calibrated accuracy	*
* Dissolved Oxygen	8/22/2019	7.98	Hach 10360v1.2-2011	0.1 mg/L calibrated accuracy	*
* Dissolved Oxygen	8/23/2019	8.05	Hach 10360v1.2-2011	0.1 mg/L calibrated accuracy	*
* Dissolved Oxygen	8/24/2019	8.08	Hach 10360v1.2-2011	0.1 mg/L calibrated accuracy	*
* Dissolved Oxygen	8/26/2019	7.98	Hach 10360v1.2-2011	0.1 mg/L calibrated accuracy	*
* Dissolved Oxygen	8/27/2019	8.00	Hach 10360v1.2-2011	0.1 mg/L calibrated accuracy	*
* Dissolved Oxygen	8/28/2019	7.87	Hach 10360v1.2-2011	0.1 mg/L calibrated accuracy	*
* Dissolved Oxygen	8/29/2019	7.88	Hach 10360v1.2-2011	0.1 mg/L calibrated accuracy	*
* Dissolved Oxygen	8/30/2019	8.09	Hach 10360v1.2-2011	0.1 mg/L calibrated accuracy	*
* Dissolved Oxygen	8/31/2019	8.09	Hach 10360v1.2-2011	0.1 mg/L calibrated accuracy	*

August Temperature Monitoring									
2019	Out Fall			Upstream			Downstream		
	Maximum Daily Average	Daily Instantaneous Maximum	Seven-day running average of the daily instantaneous maximum	Maximum Daily Average	Daily Instantaneous Maximum	Seven-day running average of the daily instantaneous maximum	Maximum Daily Average	Daily Instantaneous Maximum	Seven-day running average of the daily instantaneous maximum
August	C°	C°	C°	C°	C°	C°	C°	C°	C°
1	22.25	22.51	22.20	19.09	19.67	19.29	20.11	20.72	20.24
2	22.34	22.61	22.32	19.37	20.03	19.49	20.39	20.98	20.47
3	22.32	22.56	22.39	19.40	20.06	19.69	20.28	20.84	20.63
4	22.17	22.35	22.42	19.26	19.65	19.77	20.11	20.51	20.70
5	22.23	22.56	22.49	19.26	19.94	19.85	20.16	20.94	20.80
6	22.40	22.61	22.51	19.35	19.67	19.81	20.29	20.65	20.77
7	22.40	22.63	22.55	19.09	19.58	19.80	20.14	20.77	20.77
8	22.17	22.37	22.53	18.51	19.15	19.73	19.54	20.13	20.69
9	22.07	22.37	22.49	18.33	19.03	19.58	19.32	20.10	20.56
10	22.08	22.30	22.45	18.55	18.99	19.43	19.38	19.84	20.42
11	21.83	22.03	22.41	17.88	18.22	19.23	18.81	19.22	20.24
12	21.95	22.25	22.37	17.74	18.46	19.02	18.82	19.63	20.05
13	22.03	22.25	22.31	17.93	18.34	18.83	19.16	19.70	19.91
14	22.15	22.42	22.28	18.13	18.77	18.71	19.39	20.13	19.82
15	22.20	22.47	22.30	18.52	19.08	18.70	19.73	20.25	19.84
16	22.12	22.39	22.30	18.33	18.79	18.67	19.46	19.94	19.81
17	22.05	22.27	22.30	17.91	18.25	18.56	19.09	19.58	19.78
18	22.05	22.30	22.34	17.92	18.46	18.59	19.14	19.94	19.88
19	22.30	22.56	22.38	18.39	18.91	18.66	19.58	20.25	19.97
20	22.41	22.66	22.44	18.46	18.84	18.73	19.84	20.39	20.07
21	22.45	22.63	22.47	18.50	19.01	18.76	19.89	20.48	20.12
22	22.23	22.47	22.47	18.73	19.22	18.78	19.85	20.29	20.12
23	22.13	22.37	22.47	18.28	18.60	18.76	19.57	20.10	20.15
24	22.28	22.51	22.50	18.23	18.70	18.82	19.53	20.17	20.23
25	22.24	22.47	22.52	18.45	18.77	18.87	19.59	20.13	20.26
26	22.09	22.32	22.49	17.92	18.30	18.78	19.16	19.63	20.17
27	22.13	22.37	22.45	17.48	17.89	18.64	18.79	19.22	20.00
28	22.16	22.44	22.42	17.55	18.15	18.52	18.94	19.70	19.89
29	22.37	22.63	22.44	18.44	19.08	18.50	19.67	20.32	19.90
30	22.40	22.68	22.49	18.90	19.51	18.63	20.02	20.58	19.96
31	22.46	22.68	22.51	18.96	19.60	18.76	19.95	20.46	20.00
Monthly Max	22.46	22.68	22.55	19.40	20.06	19.85	20.39	20.98	20.80