2020 SWPPP
SITE INSPECTION FORM
DAILY

Terms & Conditions as reference for for Water Quality Monitoring Plan 2020

USFWS

18 TERMS AND CONDITIONS

In order to be exempt from the prohibitions of section 9 of the ESA, the Corps must comply with the following terms and conditions, which implement the RPMs described above and outline required reporting/monitoring requirements. These terms and conditions are non-discretionary.

1. To implement Reasonable and Prudent Measure 1, the Corps shall ensure that:

   a. Monitor to establish background turbidity levels upstream of construction and away from the influence of sediment-generating activities. Background turbidity shall be monitored at least twice daily during sediment-generating activities. In the event of a visually appreciable change in background turbidity, an additional sample shall be taken.

   b. Turbidity monitoring shall be conducted at 1,500 feet downstream of in-water construction activities.

   c. Monitoring shall be conducted at 30-minute intervals for the first 3 hours from the start of sediment-generating activities. If the background NTU levels are exceeded by the following levels, then the amount of take authorized by the Incidental Take Statement will be exceeded and sediment-generating activities shall cease.

      i. If background NTU levels are exceeded by 56 NTU at any time.

      ii. If background NTU levels are exceeded by 37 NTU for more than 1 hour cumulatively over a 10-hour workday.

      iii. If background NTU levels are exceeded by 13 NTU for more than 3 hours cumulatively over a 10-hour workday.

      iv. If background NTU levels are exceeded by 8 NTU for more than 7 hours cumulatively over a 10-hour workday.

   d. If turbidity levels approach the above-listed NTU values, work shall cease and the sediment control procedures shall be reevaluated. Sediment and erosion control measure shall be modified to reduce turbidity levels. The Corps will contact the Service's consulting biologist to discuss means of assuring that the authorized amount of incidental take is not exceeded.

   e. If levels of turbidity do not exceed the above levels during the first hour, then monitoring may be reduced to once every hour during sediment-generating activities.

   f. If, in cooperation with other permit authorities, the Corps develops a functionally equivalent monitoring strategy (e.g., intensive monitoring by project area or activity, followed by validation and routine monitoring), they may submit this plan to the Service for review and approval in lieu of the above monitoring requirements. This

strategy must be submitted to the Service a minimum of 60 days prior to construction. In order to be approved for use in lieu of the above requirements, the plan must meet each of the same objectives.

2. To implement Reasonable and Prudent Measure 2, the Corps shall:

   a. Prepare a report identifying any incidental take associated with project activities and describing conservation measures implemented to minimize take. The report shall include a description of construction activities conducted, the duration of all construction activities, conservation measures implemented, and the following:

      i. Results of project site isolation and dewatering. Data shall include the following: 1) dates and description of construction related activities such as installation and removal of the in-water cofferdams; 2) area of substrate covered by supersacks and sediment berms; 3) means and methods of fish capture; 4) species and number of fish captured; 5) if electrofishing is used, provide settings and estimated duration of use; and 6) whether any sign of bull trout injury was visible.

      ii. Results of surface water quality monitoring (focused on turbidity and suspended sediments) required during construction. Data shall include, at a minimum, the following: 1) dates, times, and locations of construction activities; 2) monitoring results, sample times, locations, and measured turbidities (in NTUs; 3) a summary of construction activities and measured turbidities associated with those activities; and 4) a summary of corrective actions taken to reduce turbidity.

The report shall be submitted to the Service's office in Lacey, Washington, by December 31, 2019. The report shall summarize the Corps' compliance with the project description and conservation measures and the level of exempted incidental take during the implementation of the project.

The Service is to be notified within three working days upon locating a dead, injured, or sick endangered or threatened species. Initial notification must be made to the nearest U.S. Fish and Wildlife Service Law Enforcement Office. Notification must include the date, time, precise location of the injured animal or carcass, and any other pertinent information. Care should be taken in handling sick or injured specimens to preserve biological materials in the best possible state for later analysis of cause of death, if that occurs. In conjunction with the care of sick or injured endangered or threatened species or preservation of biological materials from a dead animal, the finder has the responsibility to ensure that evidence associated with the specimen is not unnecessarily disturbed. Contact the U.S. Fish and Wildlife Service Law Enforcement Office at (425) 883-8122, or the Service's Washington Fish and Wildlife Office at (360) 753-9440.

2.9.4 Terms and Conditions

The terms and conditions described below are non-discretionary, and the Corps or any applicant must comply with them in order to implement the RPMs (50 CFR 402.14). The Corps or any applicant has a continuing duty to monitor the impacts of incidental take and must report the progress of the action and its impact on the species as specified in this ITS (50 CFR 402.14). If the entity to whom a term and condition is directed does not comply with the following terms and conditions, protective coverage for the proposed action would likely lapse.

1. To implement Reasonable and Prudent Measure 1, the Corps shall ensure that:

    a. Monitoring will be conducted to establish background turbidity levels upstream of construction and away from the influence of sediment-generating activities. Background turbidity will be monitored at least twice daily during sediment-generating activities. In the event of a visually appreciable change in background turbidity, an additional sample will be taken.

    b. Turbidity monitoring will be conducted at a distance of 1,500 feet downstream of in-water construction activities.

    c. Monitoring will be conducted at 30-minute intervals for the first 3 hours from the start of sediment-generating activities. If the background NTU levels are exceeded by the following levels, then the amount of take authorized by the Incidental Take Statement will have been exceeded and sediment-generating activities will cease.

        1. If background NTU levels are exceeded by 56 NTU at any time.
        2. If background NTU levels are exceeded by 37 NTU for more than 1 hour cumulatively over a 10-hour workday.
        3. If background NTU levels are exceeded by 13 NTU for more than 3 hours cumulatively over a 10-hour workday.
        4. If background NTU levels are exceeded by 8 NTU for more than 7 hours cumulatively over a 10-hour workday.

d. If turbidity levels approach the above-listed NTU values, work will cease and the sediment control procedures will be reevaluated. Sediment and erosion control measure shall be modified to reduce turbidity levels. The Corps will contact the Service's consulting biologist to discuss means of assuring that the authorized amount of incidental take is not exceeded.

e. If levels of turbidity do not exceed the above levels during the first hour, then monitoring may be reduced to once every hour during sediment-generating activities.

f. If, in cooperation with other permit authorities, the Corps develops a functionally equivalent monitoring strategy (e.g., intensive monitoring by project area or activity, followed by validation and routine monitoring), they may submit this plan to the NMFS for review and approval in lieu of the above monitoring requirements. This strategy must be submitted to NMFS a minimum of 60 days prior to construction. In order to be approved for use in lieu of the above requirements, the plan must meet each of the same objectives.

2. To implement reasonable and prudent measure 2, the COE shall ensure that:

   a. The NMFS is to be notified when constructions starts.

   b. Personnel conducting fish exclusion will have the necessary training, knowledge, skills and abilities to ensure the safe handling of all ESA listed fish.

   c. Fish exclusion is to be conducted only by or under the direct supervision of a trained and experienced fishery biologist.

   d. Personnel will regularly check block nets for impinged or dead fish.

3. To implement reasonable and prudent measure 3, the COE shall ensure that:

   a. The applicant abides by the protocol for fish capture and handling described in Appendix A.

   b. The applicant reports on all fish captured and handled as required in Appendix A.

4. To implement reasonable and prudent measure 4, the Corps will ensure that:

   a. The amount and extent of take is monitored by preparing a report identifying any incidental take associated with project activities and describing conservation measures implemented to minimize take. The report shall include a description of construction activities conducted, the duration of all construction activities, conservation measures implemented, and the following:

i. Results of surface water quality monitoring (focused on turbidity and suspended sediments) required during construction. Data shall include, at a minimum, the following: 1) dates, times, and locations of construction activities; 2) monitoring results, sample times, locations, and measured turbidities (in NTUs; 3) a summary of construction activities and measured turbidities associated with those activities; and 4) a summary of corrective actions taken to reduce turbidity.

ii. Dates and description of construction related activities such as 1) installation and removal of the in-water cofferdams; 2) means or methods of fish capture used; 3) species and number of fish captured; and 4) if electrofishing is used, provide settings and estimated duration of use.

iii. The report shall be submitted to the NMFS office in Seattle, Washington, by December 31 of the year during which construction took place.

1.1 Notification

Ten days prior to initiation of the in-water work, written notification will be sent to:

- The Puyallup Tribe of Indians
- Washington Department of Fish and Wildlife
- US Fish and Wildlife Service,
- National Marine Fisheries Service
- US Army Corp of Engineers
- Pierce County
- Puget Sound Energy

Electron Hydro Intake Project

DATE: Oct 28th 2020

	Morning	Afternoon										
Weather:	Clear	Sunny										
Precipitation:	Ø	Ø										
River Level:	375	360	358									
Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
Upstream Sample Point #1												
time	6:00 Am	7:00 Am	7:30	8:30	9:00	9:30	10:00	10:30	11:00	11:30	12:00	12:30
NTU	9.8	10.1	9.4	7.8	7.1	7.0	7.1	7.0	7.0	6.5	6.5	5.9
Turb Color	Clear	Clear	Clear	Clear	Clear	Clear						
pH	—	—	—	—	—	—						
Description of work performed	Equip warmup crews prep	In river work started	Crews pulling out connex containers	" "	" "	" "	Also Downstream cleaning out fish ladder	" "	" "	" "	" "	" "
Dnstream Sample Point #2												
time	6:15	7:15 Am	7:45	8:45	9:15	9:45	10:15	10:45	11:20	11:45	12:10	12:40
NTU	9.4	8.7	12.0	17.3	19.0	12.6	13.0	12.5	12.6	13.0	13.6	16
NTU Δ from #1	-.4	-1.4	+2.6	+9.5	+11.9	+5.6	+5.9	+5.5	+5.6	+6.5	+7.1	+10.1
Turb Color	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Light Brn	Light Brn
pH	—	—	—	—	—	—						
pH Δ from #1	—	—	—	—	—	—						
Description of work performed	" "	Building wood case for Apron	" "	" "	" "	" "	" "	" "	" "	" "	" "	" "

Notes: · Crews started in river work @ 7:00, Downstream of wood apron & fish ladder. & Upstream removing connex
· turbidity observed in downstream of fish ladder monitored for visual @300' & meter @ #1 & #2 sample points
· @ 9:00 Am turb. exceeded state level, informed Thom work ceased for 1½ hrs work begin @ 10:30 Am.
@ 11:15 notified Thom (owner) levels still exceeded state level, crews ceased work from 12:00 - 1:00. Crews continued to adjust rock coffer dam downstream, remove connex, & rock coffer dam upstream. Crews also re-installed case of wood spillway.

Equipment Inspeciton: Completed

Oil Sheen: None observed

Observed by (print): Corey Kepke

Signature:

By my signature I certify that this report is accurate and true as witnessed.

Electron Hydro Intake Project DATE: Oct 28th 2020

Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
(Conveyance Channel) Sample Point #3												
time	7:00 pm	8:00										
NTU												
Turb Color												
pH												
Description of work performed												
(300' Dnstream from work area) Sample Point #4												
time	7:00	8:00	9:00	10:00	11:00	12:00	1:00	2:00	3:00	4:00	5:00	6:00
NTU												
Turb Color	Clear	Clear	Clear	Clear	Clear	Clear	Light Brn	Light Brn	Brown	Light Brn	Light Brn	Light Brn
pH												
Description of work												
(Dnstream Pump from Abutment) Sample Point #5												
time												
NTU												
Turb Color												
pH												
Description of work												

Notes: • 300' downstream of work area, noticed trickle on Right side of river of light Brn water, most of river clear, the trickle grew in size around 1100pm & by 4:00 pm was 1/3 of river from Right to left.

Observed by (print): Corey Kleppe Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000758

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Electron Hydro Intake Project DATE: Oct 28th 2020 Page: 4 of 5

Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
(Conveyance Channel) Sample Point #3												
time												
NTU												
Turb Color												
pH												
Description of work performed												
(300' Dnstream from work area) Sample Point #4												
time	7:00	8:00	9:00	10:00	11:00							
NTU	–	–	–	–	–							
Turb Color	light Brn	too dark to	" "	" "	" "							
pH	–	see	–	–	–							
Description of work												
(Dnstream Pump from Abutment) Sample Point #5												
time												
NTU												
Turb Color												
pH												
Description of work												

Notes: . Crew @ post 300' downstream, @ 8:00pm stopped because too hard to see river bdy. Still sampled @ #1 & #2 until crews stopped working @ 11:00pm

Observed by (print): Lorey Klepe Signature:

By my signature I certify that this report is accurate and true as witnessed.

Electron Hydro Intake Project DATE: Oct 28th 2020

	Morning	Afternoon										
Weather:												
Precipitation:												
River Level:												
Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
Upstream Sample Point #1												
time	1:00	1:30	2:00	2:30	3:05	3:30	4:00	4:30	5:00	5:30	6:05	6:30
NTU	5.9	5.8	5.8	5.8	5.7	5.7	5.5	5.8	5.5	5.2	5.4	5.4
Turb Color	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear
pH	–	–	–	–	–	–	–	–	–	–	–	–
Description of work performed	In river Downstream cleaning fish ladder	" "	grading upstream dry bank	moving rock & emptying DS connexs	" " placing rock for fish ladder	" "	" "	" "	" "	crews continuing on crest	" "	" "
Dnstream Sample Point #2												
time	1:10	1:50	2:15	2:40	3:20	3:50	4:15	4:45	5:15	5:45	6:20	6:50
NTU	16.6	23.6	24.0	83.3	72.2	70.0	39.0	39.0	39.3	22.0	23.0	25.3
NTU Δ from #1	+10.7	+17.8	+18.2	+77.5	+66.5	+64.3	+33.5	+33.2	+33.8	+16.8	+17.6	+19.9
Turb Color	light Brn	ligt Brn	light Brn	Brown	Brown	Brown	Brown	Brown	Brown	light Brn	light Brn	light Brn
pH	–	–	–	–	–	–	–	–	–	–	–	–
pH Δ from #1	–	–	–	–	–	–	–	–	–	–	–	–
Description of work performed	" "	" "	" "	" "	" "	" "	" "	" "	" "	" "	" "	" "

Notes: . Owner was notified multiple times throughout the day that turbidity was out of compliance, and during time from 2:30 to 5:30 was peaking above 56 NTU. Owner notified to cease work, given time frame & notification owner chose to continue with river activity to finish project.

Equipment Inspeciton:

Oil Sheen:

Observed by (print): Corey Kleppe Signature: [signature]

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000760

ED_005624_00000047-00010

Electron Hydro Intake Project DATE: Oct 28th 2020

	Morning	Afternoon										
Weather:												
Precipitation:												
River Level:												
Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
Upstream Sample Point #1												
time	7:00 pm	7:25	8:05	8:40	9:05	9:30	10:00	10:30	11:00			
NTU	5.4	5.5	5.3	6.6	6.6	6.8	6.5	6.5	6.3			
Turb Color	Clear	Clear	Clear	Clear	Clear							
pH	—	—	—	—	—							
Description of work performed	Crews finished crest still adjust Rock DS.	crews moving Bedload to protect → crest	" "	crews placing Rock Below spillway	Excavators grading	" "	equipment removal from river	" "	" "			
Dnstream Sample Point #2												
time	7:15	7:30	8:20	8:50	9:15	9:45	10:15	10:45	11:20			
NTU	25.0	24.5	23.6	24.6	24.0	24.0	23.0	23.3	24.5			
NTU Δ from #1	+19.6	+19	+18.3	+18.0	+17.4	+17.2	+16.5	+16.8	+18.2			
Turb Color	light Brn	light Brn	light Brn	light Brn	light Brn	light Brn	light Brn	light Brn	light Brn			
pH	—	—	—	—	—	—	—	—	—			
pH Δ from #1	—	—	—	—	—	—	—	—	—			
Description of work performed	" "	" "	" "	" "	" "	" "	" "	" "	" "			

Notes: • after 8:00pm visibility became hard to see color, Colors here determined by flash light,

Equipment Inspeciton:

Oil Sheen:

Observed by (print): Corey Signature: Kleppe

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000761

ED_005624_00000047-00011

Electron Hydro Intake Project DATE: Oct 27 2020 Page: 1 of 2

	Morning	Afternoon										
Weather:	Cloudy	Sunny										
Precipitation:	0	0										
River Level:	383											
Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
Upstream Sample Point #1												
time	6:00	9:45	12:30	4:30	5:30							
NTU	5.1	7.0	5.0	4.4	4.4							
Turb Color	Clear	Clear	Clear	Clear	Clear							
pH	–	–	–	–	–							
Description of work performed	removing liner & turf	Vacuum Coffer	Vacuum Coffer	Scrape top soil of upstream	clean up							
Dnstream Sample Point #2												
time	6:20	10:00	12:50	4:45	5:45							
NTU	5.4	7.0	6.7	9.2	7.7							
NTU Δ from #1	+0.3	0	+1.7									
Turb Color	Clear	Clear	Clear	Clear	Clear							
pH	–	–	–	–	–							
pH Δ from #1	–	–	–	–	–							
Description of work performed	" "	Vacuum Coffer	scrape topsoil off coffer	finish scrapping	clean up							

Notes: Crews continued to remove liner, turf, & vacuum crumb rubber from coffer dam. - After vacuum, Excavators scraped 6" off top of coffer dam to ensure complete removal of debris.

Equipment Inspeciton: Completed

Oil Sheen: none observed.

Observed by (print): Corey Klepe

Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000762

ED_005624_00000047-00012

Electron Hydro Intake Project DATE: Oct 27 2020 Page: 2 of 2

Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
(Conveyance Channel) Sample Point #3												
time												
NTU												
Turb Color												
pH												
Description of work performed												
(300' Dnstream from work area) Sample Point #4												
time	6:30	10:15	12:55	5:00	5:55							
NTU	–	–	–	–	–							
Turb Color	clear	clear	clear	clear	clear							
pH	–	–	–	–	–							
Description of work	remove debris	vacuum debris	scrape color	scrape upstream	clean up work area							
(Dnstream Pump from Abutment) Sample Point #5												
time												
NTU												
Turb Color												
pH												
Description of work												

Notes:

Observed by (print): Corey Klepe

By my signature I certify that this report is accurate and true as witnessed.

Signature:

Electron Hydro Intake Project DATE: Oct 26 2020 Page: 1 of 2

	Morning	Afternoon										
Weather:	Clear	Sunny										
Precipitation:	Ø	Ø										
River Level:	320	320	320									
Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
Upstream Sample Point #1												
time	7:00	8:55	11:50	4:00								
NTU	6.1	8.0	4.7	4.6								
Turb Color	Clear	Clear	Clear	Clear								
pH	–	–	–	–								
Description of work performed	remove liner	remove felt	remove turf	remove turf								
Dnstream Sample Point #2												
time	7:20	9:10	12:00	4:15								
NTU	7.4	7.3	8.0	5.5								
NTU Δ from #1	+1.3	-.7	Clear +3.3	+.9								
Turb Color	Clear	Clear	Clear	Clear								
pH	–	–	–	–								
pH Δ from #1	–	–	–	–								
Description of work performed	" "	" "	" "	" "								

Notes: turbidity was relatively low, unusual fluctuation, in background possible debris or movement up river caused this.

Equipment Inspeciton: Completed

Oil Sheen: none observed

Observed by (print): Cory Klepper Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000764

ED_005624_00000047-00014

Electron Hydro Intake Project

DATE: Oct 26 2020

Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
(Conveyance Channel) Sample Point #3												
time												
NTU												
Turb Color												
pH												
Description of work performed												
(300' Dnstream from work area) Sample Point #4												
time	7:30	9:15	12:15	4:20								
NTU	–	–	–	–								
Turb Color	Clear	Clear	Clear	Clear								
pH	–	–	–	–								
Description of work	remove line	remove felt	remove turf	remove turf								
(Dnstream Pump from Abutment) Sample Point #5												
time												
NTU												
Turb Color												
pH												
Description of work												

Notes:

Observed by (print): Corey Klepke

Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000765

ED_005624_00000047-00015

Electron Hydro Intake Project DATE: Oct 25 2020 Page: 1 of 4

	Morning	Afternoon										
Weather:	Clear	Sunny										
Precipitation:	0	0										
River Level:	500	475	450	450	450	450	445	445	440	440	440	440
Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
Upstream Sample Point #1												
time	7:30	8:00	9:00	10:00	10:30	11:00	11:30	12:00	12:30	1:00	2:45	3:15
NTU	11.0	11.0	11.0	10.5	9.5	10.0	10.0	9.5	9.5	9.5	9.5	9.0
Turb Color	Clear	" "	" "	" "	" "	" "	" "	" "	" "	" "	" "	" "
pH	—	—	—	—	—	—	—	—	—	—	—	—
Description of work performed	Excavate upstream Build up coffer dam	" "	Rock placed to connect wall to coffer	" "	Begin to divert river	Clean work	excavate river Build up coffer	" "	excavated coffer upstream	fully close R side channel	" "	reshape coffer dam
Dnstream Sample Point #2												
time												
NTU	11.0	11.0	11.5	[illegible].0	80.0	160.0	160.0	165.0	200.0	340.0	190.0	185.0
NTU Δ from #1	0	0	+.5	+.5	+70.5	+150	+150	+155.5	+190.5	+380.5	+180.5	+176
Turb Color	Clear	Clear	Clear	Clear	Light Br	Light Brn	Brown	Brown	Brown	Brown	Brown	Brown
pH	—	—	—	—	—	—	—	—	—	—	—	—
pH Δ from #1	—	—	—	—	—	—	—	—	—	—	—	—
Description of work performed	" "	" "	" "	" "	cease work	work continued	divert more of river	" "	" "	" "	" "	" "

Notes:
- Crews started @ 7:30 in river work. Building up coffer dam upstream.
- Crews also opened up Downstream racetrack.
- Crew w/ fish Biologist + WDFW personnel on fish ladder for peep when river diversion occurs

Equipment Inspeciton: Completed

Oil Sheen: none observed

Observed by (print): Corey Klepper

Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000766

ED_005624_00000047-00016

Electron Hydro Intake Project

DATE: Oct 25 2020

Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
(Conveyance Channel) Sample Point #3												
time												
NTU												
Turb Color												
pH												
Description of work performed												
(300' Dnstream from work area) Sample Point #4												
time	7:50	8:20	9:25	10:20	10:50	11:25	11:55	12:20	12:50	1:20	3:05	3:35
NTU	–	–	–	–	–	–	–	–	–	–	–	–
Turb Color	Clear	Clear	Clear	Clear	Light Brn	Brown	Choc Brn	Choc Brn	Choc Brn	Choc Brn	Choc Brn	Choc Brn
pH	–	–	–	–	–	–	–	–	–	–	–	–
Description of work												
(Dnstream Pump from Abutment) Sample Point #5												
time												
NTU												
Turb Color												
pH												
Description of work												

Notes:
- river diversion started @ 10:30, observed turbid discharge
- Notified operator to cease work, per WQMP.
- Operator began working again @ 10:50. Notified owner of turbid discharging exceeds WQMP suggested that owner follow WQMP. Owner made decision to cease work for 30 min
- turbidity stayed same, owner decided to flush system & close off one channel (R side) based on observation of work & conversation he had w/ WDFW personnel.

Observed by (print): Corey Kleppe

Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000767

ED_005624_00000047-00017

Electron Hydro Intake Project

DATE: Oct 25 2020

	Morning	Afternoon										
Weather:												
Precipitation:												
River Level:												
Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
Upstream Sample Point #1												
time	4:15											
NTU	9.2											
Turb Color	Clear											
pH	—											
Description of work performed	excavate & replace cofer dam											
Dnstream Sample Point #2												
time	4:30											
NTU	190.0											
NTU Δ from #1	+ 181.0											
Turb Color	Brown											
pH	—											
pH Δ from #1	—											
Description of work performed	replace cofer dam											

Notes: crews on fish ladder screened for fish over R side channel Blocked off.

Equipment Inspeciton:

Oil Sheen:

Observed by (print): Cory Kepe

Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000768

ED_005624_00000047-00018

Electron Hydro Intake Project

DATE: Oct 25 2020

Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
(Conveyance Channel) Sample Point #3												
time												
NTU												
Turb Color												
pH												
Description of work performed												
(300' Dnstream from work area) Sample Point #4												
time	4:35											
NTU	–											
Turb Color	Chocolate											
pH	–											
Description of work	reduce after dam											
(Dnstream Pump from Abutment) Sample Point #5												
time												
NTU												
Turb Color												
pH												
Description of work												

Notes:

Observed by (print): Corey Klappe

By my signature I certify that this report is accurate and true as witnessed.

Signature:

EH-USA000769

ED_005624_00000047-00019

Electron Hydro Intake Project DATE: Oct 24 2020 Page: 1 of 2

	Morning	Afternoon										
Weather:	Cloudy	Clear										
Precipitation:	0.5	0.5										
River Level:	1500	1400	850									
Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
Upstream Sample Point #1												
time	6:00	1:00	4:00									
NTU	88.3	80.0	75.0									
Turb Color	Light Brn	Light Brn	Light Brn									
pH	—	—	—									
Description of work performed	grout holes in wall	prep for diver	" "									
Dnstream Sample Point #2												
time	6:30	1:15	4:30									
NTU	73.3	75	70.0									
NTU Δ from #1	-15.0	-5	-5									
Turb Color	Light Brn	Light Brn	Light Brn									
pH	—	—	—									
pH Δ from #1	—	—	—									
Description of work performed	" "	" "	" "									

Notes: noted river level increased river was Brown.

Equipment Inspeciton: Completed

Oil Sheen: None observed

Observed by (print): Corey Klegge Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000770

ED_005624_00000047-00020

Electron Hydro Intake Project DATE: Oct 24 2020 Page: 2 of 2

Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
(Convevance Channel) Sample Point #3												
time												
NTU												
Turb Color												
pH												
Description of work performed												
(300' Dnstream from work area) Sample Point #4												
time	10:45	1:25	4:45									
NTU	—	—	—									
Turb Color	Light Brn	Light Brn	Light Brn									
pH	—											
Description of work												
(Dnstream Pump from Abutment) Sample Point #5												
time												
NTU												
Turb Color												
pH												
Description of work												

Notes:

Observed by (print): Cory Klose

By my signature I certify that this report is accurate and true as witnessed.

Signature:

Electron Hydro Intake Project DATE: Oct 23 2020 Page: 1 of 2

	Morning	Afternoon										
Weather:	Cloudy	cloudy										
Precipitation:	.5	.5										
River Level:	1000	1300	1600									
Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
Upstream Sample Point #1												
time	8:00	12:30	4:00									
NTU	10.0	10.0	9.75									
Turb Color	Clear	Clear	Clear									
pH	–	–	–									
Description of work performed	spillway Buildup upstream	close channel (filled in)	" "									
Dnstream Sample Point #2												
time	8:20	12:45	4:20									
NTU	10.0	9.5	9.5									
NTU Δ from #1	Ø	-.5	-.25									
Turb Color	Clear	Clear	Clear									
pH	–	–	–									
pH Δ from #1	–	–	–									
Description of work performed	grout wall holes	" "	" "									

Notes:
- closed channel in river
- removed pumps holes filled in
- crews also grouted holes on abutment wall, no turbid discharge occurred,

Equipment Inspeciton: Completed

Oil Sheen: none observed

Observed by (print): Loren Klepe Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000772

ED_005624_00000047-00022

Electron Hydro Intake Project

DATE: Oct 23 2020

Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
(Conveyance Channel) Sample Point #3												
time	8:30											
NTU	9.0											
Turb Color	Clear											
pH												
Description of work performed	spillway Build up	Closed Channel no water	" "									
(300' Dnstream from work area) Sample Point #4												
time	8:30	12:55	4:30									
NTU												
Turb Color	Clear	Clear	Clear									
pH												
Description of work												
(Dnstream Pump from Abutment) Sample Point #5												
time												
NTU												
Turb Color												
pH												
Description of work												

Notes:

Observed by (print): Cory Klepe

By my signature I certify that this report is accurate and true as witnessed.

Signature:

EH-USA000773

ED_005624_00000047-00023

Electron Hydro Intake Project DATE: Oct 22 2020

	Morning	Afternoon										
Weather:	Cloudy	Cloudy										
Precipitation:	0	0										
River Level:	400	392	380									
Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
Upstream Sample Point #1												
time	5:00 AM	7:30 AM	1:30									
NTU	8.0	7.7	7.1									
Turb Color	Clear	Clear	Clear									
pH	–	–	–									
Description of work performed	piling rock on sheetpile upstream	" "	" "									
Dnstream Sample Point #2												
time	5:35 AM	7:45	1:45									
NTU	7.4	7.8	7.0									
NTU Δ from #1	-.6	+.1	-.1									
Turb Color	Clear	Clear	Clear									
pH	–	–	–									
pH Δ from #1	–	–	–									
Description of work performed	grout holes of wall	" "	" "									

Notes: Crews focused on putting rock on upstream side of sheet pile. No turbidity observed. Also crews grouting embedment holes in wall.

Equipment Inspeciton: Completed

Oil Sheen: None observed

Observed by (print): Cory Klepe

Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000774

ED_005624_00000047-00024

Electron Hydro Intake Project

DATE: Oct 22 2020

Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
(Conveyance Channel) Sample Point #3												
time	5:45	7:50	1:55									
NTU	9.2	8.0	7.5									
Turb Color	Clear	Clear	Clear									
pH	–											
Description of work performed												
(300' Dnstream from work area) Sample Point #4												
time	7:50											
NTU												
Turb Color	Clear	Clear	Clear									
pH	–											
Description of work												
(Dnstream Pump from Abutment) Sample Point #5												
time												
NTU												
Turb Color												
pH												
Description of work												

Notes:

Observed by (print): Cory Klepe

By my signature I certify that this report is accurate and true as witnessed.

Signature:

EH-USA000775

ED_005624_00000047-00025

Electron Hydro Intake Project

DATE: OCT 12 2020

	Morning	Afternoon										
Weather:	Cloudy	Sunny										
Precipitation:	0	0										
River Level:	400	392										
Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
Upstream Sample Point #1												
time	5:00	3:20	1:30									
NTU	8.0	7.7	7.1									
Turb Color	green	green	green									
pH	—	—	—									
Description of work performed	Adding rock up stream	Filling embeds w/ grout	" "									
Dnstream Sample Point #2												
time	5:25	3:43	1:45									
NTU	7.4	7.8	7.0									
NTU Δ from #1	-.6	+.1	-.1									
Turb Color	green	green	green									
pH	—	—	—									
pH Δ from #1	—	—	—									
Description of work performed	" "	" "	" "									

Notes:
- Crews adding rock upstream of spillway,
- Crews filling abutment holes for embeds w/ grout,

Equipment Inspeciton: Completed

Oil Sheen: None observed

Observed by (print): Corey Klope

Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000776

ED_005624_00000047-00026

Electron Hydro Intake Project

DATE: Oct 22 2020

Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
(Conveyance Channel) Sample Point #3												
time	5:45	7:50	1:55									
NTU	4.2	8.0	7.5									
Turb Color	Clear	Clear	Clear									
pH	–	–	–									
Description of work performed												
(300' Dnstream from work area) Sample Point #4												
time	6:00	8:00	2:00									
NTU	–	–	–									
Turb Color	Clear	Clear	Clear									
pH	–	–										
Description of work												
(Dnstream Pump from Abutment) Sample Point #5												
time												
NTU												
Turb Color												
pH												
Description of work												

Notes: • Site inspection: Army Corps, County, went well.

Observed by (print): Corey Klepke

By my signature I certify that this report is accurate and true as witnessed.

Signature:

EH-USA000777

ED_005624_00000047-00027

Electron Hydro Intake Project DATE: Oct 21 2020 Page: 1 of 2

	Morning	Afternoon										
Weather:	Overcast	Overcast										
Precipitation:	Ø	Ø										
River Level:	600	590	540	583	570	570	570	~~565~~	565	560		
Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
Upstream Sample Point #1												
time	5:00	10:15	10:44	11:56	1:00	2:04	3:00	3:55	4:56	6:00		
NTU	11.5	11.6	11.0	10.66	11.33	11.0	10.66	10.33	10.0	7.90		
Turb Color	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear		
pH	–	–	–	–	–	–	–	–	–	–		
Description of work performed												
Dnstream Sample Point #2												
time	5:15	10:25	10:55	12:20	1:16	2:25	3:22	4:12	5:09	6:15		
NTU	11.5	11.0	11.0	10.33	9.43	11.0	11.0	9.83	9.60	7.80		
NTU Δ from #1	Ø	-.6	Ø	-.33	-1.90	Ø	+.44	-.50	-.4	-.1		
Turb Color	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear		
pH	–	–	–	–	–	–	–	–	–	–		
pH Δ from #1	–	–	–	–	–	–	–	–	–	–		
Description of work performed												

Notes:
- Gens moved large crane (100T) to outside of OHWM for next phase of project
- finished sheetpile welding, installed rock on Downstream side of spillway.
- Also began stepping channel & downstream for river diversion.

Equipment Inspeciton: Completed

Oil Sheen: None observed

Observed by (print): Colby Klepe Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000778

ED_005624_00000047-00028

Electron Hydro Intake Project DATE: Oct 21 2020

Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
(Conveyance Channel) Sample Point #3												
time	5:35	10:34	11:04	12:32	1:22	2:30	3:30	4:20	5:15	6:27		
NTU	11.2	22.3	22.0	22.0	24.0	24.66	24.0	21.66	22.66	22.30		
Turb Color	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear		
pH	—	—	—	—	—	—	—	—	—	—		
Description of work performed												
(300' Dnstream from work area) Sample Point #4												
time	5:40	10:40	11:10	12:40	1:30	2:45	3:40	4:25	5:25	6:45		
NTU	—	—	—	—	—	—	—	—	—	—		
Turb Color	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear		
pH	—	—	—	—	—	—	—	—	—	—		
Description of work												
(Dnstream Pump from Abutment) Sample Point #5												
time												
NTU												
Turb Color												
pH												
Description of work												

Notes:
· Water not coming from work site, but as crews worked to close channel, sediment was light disturbed, which resulted in higher sample #3 NTU readings than typical. No impacts of significance @ sample #2. Monitored throughout day to ensure compliance.

Observed by (print): Lorey Klepper Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000779

ED_005624_00000047-00029

Electron Hydro Intake Project DATE: Oct 20 2020 Page: 1 of 2

	Morning	Afternoon										
Weather:	Cloudy	Cloudy										
Precipitation:	0	0										
River Level:	685	685	600									
Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
Upstream Sample Point #1												
time	5:00 Am	7:00 Am	4:00 pm									
NTU	22.6	12.5	11									
Turb Color	semi clear	semi clear	Clear									
pH	—	—	—									
Description of work performed	Sheetpiling	welding	welding moving rock									
Dnstream Sample Point #2												
time	5:15	7:20	4:20 pm									
NTU	22.0	12.5	11.0									
NTU Δ from #1	-.6	0	0									
Turb Color	Sem. clear	Semi clear	clear									
pH	—	—	—									
pH Δ from #1	—	—	—									
Description of work performed	Sheetpiling	welding	" "									

Notes:
- Continued Installing Sheet piling
- moving rock for rock Spillway

Equipment Inspeciton: Completed

Oil Sheen: None observed

Observed by (print): Corey Klepe

Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000780

ED_005624_00000047-00030

Electron Hydro Intake Project DATE: Oct 20 2020

Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
(Conveyance Channel) Sample Point #3												
time	5:35	7:40	4:30									
NTU	19.0	13.0	10									
Turb Color	Semi clear	Clear	Clear									
pH	—	—	—									
Description of work performed												
(300' Dnstream from work area) Sample Point #4												
time	7:45 am	1:30	5:30 pm									
NTU	—	—	—									
Turb Color	Clear	Clear	Clear									
pH	—	—	—									
Description of work												
(Dnstream Pump from Abutment) Sample Point #5												
time												
NTU												
Turb Color												
pH												
Description of work												

Notes:
Channel water not coming from work site, ground water seepage from river.

Observed by (print): Corey Klepper

Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000781

ED_005624_00000047-00031

Electron Hydro Intake Project DATE: Oct 19 2020

	Morning	Afternoon										
Weather:	Cloudy	Cloudy										
Precipitation:	0	0										
River Level:	640	690	685									
Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
Upstream Sample Point #1												
time	7:15 Am	4:00 pm	7:00 pm									
NTU	103	41	38									
Turb Color	light Brn	light Brn	light Brn									
pH	–	–	–									
Description of work performed	Install Sheet piles	" "	" "									
Dnstream Sample Point #2												
time	7:25	4:10	7:15									
NTU	90	39	37									
NTU Δ from #1	-13	-2	-2									
Turb Color	light Brn	light Brn	light Brn									
pH	–	–	–									
pH Δ from #1	–	–	–									
Description of work performed	Capping tye back to spillway	" "	" "									

Notes: . Crews installed sheet piling for rock spillway.
. Crews capped off concrete tie back between abutment wall & spillway.

Equipment Inspeciton: Completed

Oil Sheen: None observed

Observed by (print): Corey Klepe Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000782

ED_005624_00000047-00032

Electron Hydro Intake Project

DATE: Oct 19 2020

Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
(Conveyance Channel) Sample Point #3												
time	7:35 Am	4:20	7:25									
NTU	39	24	20									
Turb Color	Clear	Clear	Clear									
pH	–	–	–									
Description of work performed	Install sheetpiling	" "	" "									
(300' Dnstream from work area) Sample Point #4												
time	7:40	4:25	7:30									
NTU	–	–	–									
Turb Color	[illegible] light Brn	[illegible] light Brn	Clear									
pH	–	–	–									
Description of work												
(Dnstream Pump from Abutment) Sample Point #5												
time												
NTU												
Turb Color												
pH												
Description of work												

Notes:

- Water in channel not coming from worksite, likely ground water. Color light Brn, Cleaner than river in appearance. Cleared up towards end of day.

Observed by (print): Corey Kleppe

Signature: [signature]

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000783

ED_005624_00000047-00033

Electron Hydro Intake Project DATE: Oct 18 2020 Page: 1 of 2

	Morning	Afternoon										
Weather:	Rainy	Rainy										
Precipitation:	1"	1"										
River Level:	2000	2150	2400									
Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
Upstream Sample Point #1												
time	7:00 Am	1:00 pm	4:00									
NTU	750	800	850									
Turb Color	Brown	Brown	Brown									
pH	–	–	–									
Description of work performed	Install steel &	" "	" "									
Dnstream Sample Point #2												
time	7:15	1:15	4:15									
NTU	700	800	800									
NTU Δ from #1	-50	0	-50									
Turb Color	Brown	Brown	Brown									
pH	–	–	–									
pH Δ from #1	–	–	–									
Description of work performed	" "	" "	" "									

Notes: · Installing steel for Rock spillway all day.
No observed turbidity, river has high flow & dirty.

Equipment Inspeciton: Longleaf.

Oil Sheen: None observed, no sheen on spot from 10/17 spill either.

Observed by (print): Corey Klepe Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000784

ED_005624_00000047-00034

Electron Hydro Intake Project

DATE: Oct 18 2020

Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
(Conveyance Channel) Sample Point #3												
time	7:25 a	1:25p	4:25p									
NTU	17.0	16.0	20.0									
Turb Color	Clear	Clear	Clear									
pH												
Description of work performed	Install Steel Cofer spillway	" "	" "									
(300' Dnstream from work area) Sample Point #4												
time	7:40 Am	1:45 pm	5:00 pm									
NTU	—	—	—									
Turb Color	light Brn	light Brn	light Brn									
pH	—	—	—									
Description of work	" "	" "	" "									
(Dnstream Pump from Abutment) Sample Point #5												
time												
NTU												
Turb Color												
pH												
Description of work												

Notes: #5 not discharging to channel.

Observed by (print): Corey

Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000785

ED_005624_00000047-00035

Electron Hydro Intake Project DATE: Oct 17 2020 Page: 1 of 2

	Morning	Afternoon										
Weather:	light Rain	light Rain										
Precipitation:	.5"	.5"										
River Level:	580	550	550	550	540							
Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
Upstream Sample Point #1												
time	6:25	8:01	9:36	11:58	2:20							
NTU	203.0	170.0	120.0	80.0	65.0							
Turb Color	Milky Brn	Milky Brn	Milky Brn	Milky Brn	Milky Brn							
pH	–	7.30	–	–	–							
Description of work performed	equip. warmup & inspection	Pouring concrete Back of wall to spillway	" "	" "	" "							
Dnstream Sample Point #2												
time	6:40	8:09	9:48	12:10	2:30							
NTU	160.0	120.0	90.0	60.0	50.0							
NTU Δ from #1	-103.0	-50.0	-30.0	-20.0	-15.0							
Turb Color	Milky Brn	Milky Brn	Milky Brn	Milky Brn	Milky Brn							
pH	–	7.31	–	–	–							
pH Δ from #1	–	+.01	–	–	–							
Description of work performed	" "	" "	" "	" "	" "							

Notes: · Concrete pouring Started @ 7 Am. Ended by 6:00 pm
· River turbulent · pH @ ~~[illegible]~~ pump #2 before concrete 8.01

Equipment Inspeciton: completed

Oil Sheen: >1 Quart of Grease spill on floor way, spill response immediately. w/ spill Kit & scrap up of dirt. No observed sheen or Grease after clean up

Observed by (print): Lorey Hepp Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000786

ED_005624_00000047-00036

Electron Hydro Intake Project DATE: Oct 17 2020

Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
(Conveyance Channel) Sample Point #3												
time	6:40	8:15	9:52	12:14	2:45							
NTU	16.5	17.0	16.0	14.0	14.0							
Turb Color	Clear	Clear	clear	clear	clear							
pH	—	—	—	—	—							
Description of work performed	prep for concrete	pouring	" "	" "	" "							
(300' Dnstream from work area) Sample Point #4												
time	7:00	8:30	9:30	10:30	11:30	1:00	2:00	3:15	4:30	5:30	6:00	
NTU	—	—	—	—	—	—	—	—	—	—	—	
Turb Color	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	clear	clear	Clear	
pH	—	—	—	—	—	—	—	—	—	—	—	
Description of work												
(Dnstream Pump from Abutment) Sample Point #5												
time												
NTU												
Turb Color												
pH												
Description of work												

Notes: • #5 not sampled as no discharge to channel. water minimal in channel.

• pH @ sample point #2

time	7:38am	8:36	9:12	9:30	10:15	12:11	1:30pm	4:30
pH	8.50	8.20	7.4	7.12	7.08	6.93	6.77	6.73

@ no point did pH exceed compliance

Observed by (print): Corey Klepper

Signature: [signature]

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000787

ED_005624_00000047-00037

Electron Hydro Intake Project DATE: 10-16-2020 Page: 1 of 2

	Morning	Afternoon										
Weather:	Rain	Rain										
Precipitation:	2.25"	2.25"										
River Level:	1000	1200	1400	1400	1200							
Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
Upstream Sample Point #1												
time	7:20a	10:36 Am	2:46 pm	5:33pm	7:00 pm							
NTU	7.4	27.0	65.0	200.0	83.0							
Turb Color	Brown	Brown	Brown	Brown								
pH	–	–	–	–								
Description of work performed	Carpentry on Face of wall	" "	" "	Carpentry on Back of wall	" "							
Dnstream Sample Point #2												
time	7:28	10:46Am	3:20pm	5:44	7:25							
NTU	8.5	28.0	60.0	140.0	88.3							
NTU Δ from #1	1.1	+1.0	-5.0	-60.0	+5.3							
Turb Color	Brown	Brown	Brown	Brown	Brown							
pH	–	–	–	–	–							
pH Δ from #1	–	–	–	–	–							
Description of work performed	" "	" "	" "	" "	" "							

Notes: Steve Goodrich requested NTU reading @ discharge of sediment trap @ 11:05 Am = 7.10 NTU

Equipment Inspeciton:

Oil Sheen: None observed

Observed by (print): Corey Klepke

Signature:

By my signature I certify that this report is accurate and true as witnessed.

Electron Hydro Intake Project DATE: 10-16-2020

Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
(Conveyance Channel) Sample Point #3												
time	7:39	11:13	3:28	5:54	7:45							
NTU	14.0	14.0	13.0	12.0	28.3							
Turb Color	Clear	Clear	Clear	Clear	Clear							
pH	—	—	—	—	-							
Description of work performed	work on Back of wall	" "	" "	" "	" "							
(300' Dnstream from work area) Sample Point #4												
time	7:00 Am	8:00 Am	10 Am	11:30	12:00	1:00	3:30	4:30	6:00			
NTU	—	—	—	—	—	—	—	—	—			
Turb Color	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	clear			
pH	—	—	—	—	—	—	—	—	—			
Description of work												
(Dnstream Pump from Abutment) Sample Point #5												
time												
NTU												
Turb Color												
pH												
Description of work												

Notes: • #5 not sampled, water not discharged to channel. pumped to pump #2.
• Rain started around 11:30 Am
• #4 was clear throughout day, river got Brown by the afternoon.

Observed by (print): Cory Klepe Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000789

ED_005624_00000047-00039

Electron Hydro Intake Project DATE: Oct 15th 2020

	Morning	Afternoon										
Weather:	Cloudy	Sunny										
Precipitation:	Ø	Ø										
River Level:	4.93											
Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
Upstream Sample Point #1												
time	9:30 Am	2:57 pm	3:42	4:30	4:55	5:56	7:00					
NTU	11.0	9.5	9.5	8.5	8.6	8.4	6.8					
Turb Color	Clear	Clear	Clear	Clear	Clear	Clear	Clear					
pH	7.17	–	–	–	–	–	–					
Description of work performed	Prep Back side of wall for forms											
Dnstream Sample Point #2												
time	9:50	3:11 pm	3:52	4:36 pm	5:06	6:04	7:10					
NTU	11.0	8.60	9.30	8.6	8.5	8.4	7.5					
NTU Δ from #1	0	-.9	-.2	+.1	-.1	0	+.7					
Turb Color	Clear	Clear	Clear	Clear	Clear	Clear	Clear					
pH	7.15	–	–	–	–	–	–					
pH Δ from #1	-.02	–	–	–	–	–	–					
Description of work performed	" "											

Notes: Excavating to improve Downstream road access to site caused turbid water in channel. informed operator to hold, monitored throughout shift. Sample #2 did not exceed WQMP compliance @ any time.
Crews also poured concrete for tieback between wall & spillway.

Equipment Inspeciton: see inspection logs – equipment inspected before entering river & throughout shift

Oil Sheen: None observed

Observed by (print): Corey Klepke Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000790

ED_005624_00000047-00040

Electron Hydro Intake Project DATE: Oct 15th 2020

Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
(Conveyance Channel) Sample Point #3												
time	9:55 Am	3:30 pm	4:05	4:42	5:10	6:10	7:10					
NTU	12.0	15.0	14.0	12.0	11.0	11.0	10.0					
Turb Color	Clear	Clear	Clear	Clear	Clear	Clear	Clear					
pH	–	–	–	–	–	–	–					
Description of work performed												
(300' Dnstream from work area) Sample Point #4												
time	10:00	3:35	4:10	4:50	5:16	6:15	7:15					
NTU	95.0	95.0	60.0	37.0	40.0	36	34.6					
Turb Color	Light Brn	Light Brn	Light Brn	Light Brn	Light Brn	Light Brn	Light Brn					
pH	–	–										
Description of work												
(Dnstream Pump from Abutment) Sample Point #5												
time												
NTU												
Turb Color												
pH												
Description of work												

Notes: pH @ start of pours for concrete was 8.14, after pour was 9.05, water pumped to pump location #2 for CO_2 injection. When measured after pumping water, pH was 7.84, & monitored before pumping & pH did not exceed 8.5, was 7.91. Did not require CO_2 injection before pumping to conveyance ditch.

Observed by (print): Corey Klepe Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000791

ED_005624_00000047-00041

Electron Hydro Intake Project DATE: Oct 14th 2020

	Morning	Afternoon										
Weather:												
Precipitation:												
River Level:	675	650										
Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
Upstream Sample Point #1												
time	5:00 am	2:57pm	4:03pm	5:15pm								
NTU	11.0	18.0	20.0	18.0								
Turb Color	Clear	Clear	Clear	Clear								
pH	–	–	–	–								
Description of work performed	Dewatering equip. warmup	Excavation work	excavation work + stripping wall forms	stripping wall forms								
Dnstream Sample Point #2												
time	5:15 Am	3:16 pm	4:12pm	5:25pm								
NTU	9.6	17.0	16.0	16.0								
NTU Δ from #1	-1.4	-1.0	-4.0	-2.0								
Turb Color	Clear	Clear	Clear	Clear								
pH	–	–	–	–								
pH Δ from #1	–	–	–	–								
Description of work performed	" "	Excavation work	excavation work strip wall forms	stripping wall forms								

Notes: Crews weren't in river, but onsite until afternoon, began excavating for future river diversion for cofferdam removal. Also crews continued to strip wall forms. Crews prepped forms & rebar for tie backs connection between wall & spillway

Equipment Inspeciton: Done @ beginning of shift.

Oil Sheen: None observed

Observed by (print): Corey Kleppe Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000792

ED_005624_00000047-00042

Electron Hydro Intake Project DATE: Oct th 2020 Page: 2 of 2

Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
(Conveyance Channel) Sample Point #3												
time												
NTU												
Turb Color												
pH												
Description of work performed												
(300' Dnstream from work area) Sample Point #4												
time	3:15pm	4:26pm	5:30pm									
NTU												
Turb Color	Clear	semi clear	semi clear									
pH	—	—	—									
Description of work												
(Dnstream Pump from Abutment) Sample Point #5												
time												
NTU												
Turb Color												
pH												
Description of work												

Notes: Sample #5 not purpel to channel, sample not needed.

Observed by (print): Corey Klepe Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000793

ED_005624_00000047-00043

Electron Hydro Intake Project DATE: Oct 13th 2020 Page: __ of __

	Morning	Afternoon										
Weather:												
Precipitation:												
River Level:												
Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
Upstream Sample Point #1												
time												
NTU												
Turb Color												
pH												
Description of work performed												
Dnstream Sample Point #2												
time												
NTU												
NTU Δ from #1												
Turb Color												
pH												
pH Δ from #1												
Description of work performed												

Notes: No work, determined due to thunderstorm weather conditions. Crews left in morning.

Equipment Inspeciton: Done, [redacted] yet need to have inspection log. w/ no work in river inspectors weren't done throughout day, just in morning.

Oil Sheen: None present, not observed all day due to weather.

Observed by (print): Corey Kepe Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000794

ED_005624_00000047-00044

Electron Hydro Intake Project DATE:_____ Page: __ of __

Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
(Conveyance Channel) Sample Point #3												
time												
NTU												
Turb Color												
pH												
Description of work performed												
(300' Dnstream from work area) Sample Point #4												
time												
NTU												
Turb Color												
pH												
Description of work												
(Dnstream Pump from Abutment) Sample Point #5												
time												
NTU												
Turb Color												
pH												
Description of work												

Notes:

Observed by (print): Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000795

ED_005624_00000047-00045

Electron Hydro Intake Project DATE: Oct 12th 2020

	Morning	Afternoon										
Weather:	Cloudy	Sunny										
Precipitation:	0	Ø										
River Level:	1180	786										
Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
Upstream Sample Point #1												
time	8:30 Am	10:00 Am										
NTU	370	180										
Turb Color	Brown	Brown										
pH	7.43	–										
Description of work performed	Stripping forms on wall	Stripping forms on wall										
Dnstream Sample Point #2												
time	8:45 Am	10:15 Am										
NTU	310	175										
NTU Δ from #1	-60	-5										
Turb Color	Brown	Brown										
pH	7.45	–										
pH Δ from #1	+.02	–										
Description of work performed	Stripping forms on wall	Stripping forms on wall										

Notes:
- Crews Began stripping forms of wall abutment.
- Crews cleaned work area in river work area,

Observed by (print): Corey Klepper Signature:

By my signature I certify that this report is accurate and true as witnessed.

Electron Hydro Intake Project DATE: Oct 12th 2020

Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
(Conveyance Channel) Sample Point #3												
time	8:50 Am	10:25 Am										
NTU	250	110										
Turb Color	Light Brn	Light Brn										
pH	7.13	-										
Description of work performed												
(300' Dnstream from work area) Sample Point #4												
time	8:58 Am	10:30 Am										
NTU	310	150										
Turb Color	Brown	Brown										
pH	7.36	-										
Description of work												

Notes:
Sample point #5 not needed to test, not discharging to channel from pump.

Oil sheen: No sheens observed

Observed by (print): Corey Klepe Signature:

By my signature I certify that this report is accurate and true as witnessed.

Electron Hy...o Intake Project DATE: Oct 11th 2020

	Morning	Afternoon										
Weather:												
Precipitation:												
River Level:												
Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
Upstream Sample Point #1												
time												
NTU												
Turb Color												
pH												
Description of work performed												
Dnstream Sample Point #2												
time												
NTU												
NTU Δ from #1												
Turb Color												
pH												
pH Δ from #1												
Description of work performed												

Notes: No work occurred.

Observed by (print): Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000798

ED_005624_00000047-00048

Electron Hy o Intake Project

DATE: Oct 11th 2020

Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
(Conveyance Channel) Sample Point #3												
time												
NTU												
Turb Color												
pH												
Description of work performed												
(300' Dnstream from work area) Sample Point #4												
time												
NTU												
Turb Color												
pH												
Description of work												

Notes:

Observed by (print):

Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000799

ED_005624_00000047-00049

Electron Hy...o Intake Project DATE: Oct 11th 2020 Page: 1 of 2

	Morning	Afternoon										
Weather:												
Precipitation:												
River Level:												
Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
Upstream Sample Point #1												
time												
NTU												
Turb Color												
pH												
Description of work performed												
Dnstream Sample Point #2												
time												
NTU												
NTU Δ from #1												
Turb Color												
pH												
pH Δ from #1												
Description of work performed												

Notes:

No work occurred.

Observed by (print): Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000800

ED_005624_00000047-00050

Electron Hy...o Intake Project DATE: Oct 10 2020 Page: 1 of 2

	Morning	Afternoon										
Weather:	Rain	Rain										
Precipitation:	1/4"	1/4"										
River Level:	680	620										
Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
Upstream Sample Point #1												
time	11:15 AM	1:15 pm										
NTU	641	276										
Turb Color	Brown	Brown										
pH	7.31											
Description of work performed	Pouring last part of wall	Poured 2' wall @ Bottom of Stairs										
Dnstream Sample Point #2												
time	11:24 am	1:22 pm										
NTU	542	258										
NTU Δ from #1	-99	-18										
Turb Color	Brown	Brown										
pH	7.30											
pH Δ from #1	-.01											
Description of work performed	Pouring last part of wall	Poured 2' wall @ Bottom of stairs										

Notes:

- Crews came in to pour last 8 yards of concrete for wall, no observed contact with water into river, pH in work site was measured @ 7.13 while pouring. Completed pouring wall for abutment.
- Crews had extra cement, poured 2' wall @ bottom of stairs next to new control house.
- Crews cleaned work site and removed equipment from in river work area.

Observed by (print): Corey K Lepe Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000801

ED_005624_00000047-00051

Electron Hy...o Intake Project

DATE: Oct 10th 20

Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
(Conveyance Channel) Sample Point #3												
time	11:30 Am	1:28 pm										
NTU	210	150										
Turb Color	Light Brn	Light Brn										
pH												
Description of work performed	pouring last part of wall	pouring 2' wall finished										
(300' Dnstream from work area) Sample Point #4												
time	11:35 Am	1:35 pm										
NTU	420	200										
Turb Color	Brown	Brown										
pH												
Description of work	pouring last part of wall	cleaned up work site										

Notes:

Observed by (print): Corey Klepre

By my signature I certify that this report is accurate and true as witnessed.

Signature:

EH-USA000802

ED_005624_00000047-00052

Electron Hyd... Intake Project DATE: Oct 3 2020 ...age: 1 of 2

	Morning	Afternoon										
Weather:	Cloudy	Cloudy										
Precipitation:	Ø	Ø										
River Level:	300	250										
Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
Upstream Sample Point #1												
time	3:22 am	3:06 pm										
NTU	95.0	28.0										
Turb Color	light Brn	green										
pH	8.45	8.53										
Description of work performed	equip warming	pouring concrete footing										
Dnstream Sample Point #2												
time	3:30 am	3:22 pm										
NTU	80.0	28.0										
NTU Δ from #1	-15.0	Ø										
Turb Color	light Brn	green										
pH	8.48	8.37										
pH Δ from #1	+.03	-.16										
Description of work performed	Starting Batch Plant	pouring concrete footing										

Notes:

· Started Crews @ 3:30 ,began pouring concrete @ 4:00 Am for footing

· No sediment generating activity occurred, pH was monitored throughout pour and per WQMP lime injection occurred @ pump #2 & pump #3 to keep any ~~[illegible]~~ water in compliance as needed. At no point was there any water discharged to river during pour outside of WQMP compliance

Observed by (print): Corey Klippe Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000803

ED_005624_00000047-00053

Electron Hydro Intake Project DATE: Oct 3 2020 Page: 2 of 2

Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
(Conveyance Channel) Sample Point #3												
time	9:42 Am											
NTU	13.0											
Turb Color	Clear											
pH	—											
Description of work performed	Starting Batch plant											
(300' Dnstream from work area) Sample Point #4												
time												
NTU												
Turb Color												
pH												
Description of work												

Notes:

- minimal water contact w/ concrete, water was purged w/ CO2 to reduce pH. Stopped pouring concrete by 10:00pm
- large rocks removed by excavator from footing before concrete poured in section of footing

Observed by (print): Corey Klippe

Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000804

ED_005624_00000047-00054

Electron Hydro Intake Project DATE: Oct 9th 2020 Page: 1 of 2

	Morning	Afternoon										
Weather:	Clear	Sunny										
Precipitation:	Ø	Ø										
River Level:	250	237										
Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
Upstream Sample Point #1												
time	3:30 Am	12:30										
NTU	100	65.0										
Turb Color	Brown	Light Brn										
pH	7.67	7.65										
Description of work performed	Prep Batch plant & Forms	Pouring wall										
Dnstream Sample Point #2												
time	3:45	12:45										
NTU	95.0	60										
NTU Δ from #1	-5	-5										
Turb Color	Brown	light Brn										
pH	–	–										
pH Δ from #1	–	–										
Description of work performed	prep Forms	pouring wall										

Notes:
Finished Cubeds for forms & prepped Batch plant first thing @ 3:30 Am.
Began pouring Concrete @ 5:00Am until 7:00pm. had two breaks
(1) out of water, was resupplied
(2) Out of Cement, used reserve from trailer.

Observed by (print): Corey Klepe Signature:
By my signature I certify that this report is accurate and true as witnessed.

EH-USA000805

ED_005624_00000047-00055

Electron Hydro Intake Project DATE: Oct 9th 2020

Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
(Conveyance Channel) Sample Point #3												
time	3:50 Am	12:50 pm										
NTU	7.0	11.0										
Turb Color	Clear	Clear										
pH												
Description of work performed	Finish Form	pouring Concrete										
(300' Dnstream from work area) Sample Point #4												
time	3:55	12:55										
NTU	50.0	60.0										
Turb Color	light Brn	Light Brn										
pH	7.30	7.37										
Description of work	Finish Forms	pouring Concrete										

Notes:

#5	4:00	1:00
NTU	50.0	120.0
pH	8.3	10.00

* @ Sample point 5, this was site control for water Downstream from footing & wall pour. Periodically checked for turbidity & pH, pH rose to 10.00 by 1:00pm, used WQMP control method for pH w/ CO_2 injection into discharge hose & pH on discharge was 7.37. Method was effective. Ran out of cement for Batch plant by 7pm.

Observed by (print): Corey Klepe Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000806

ED_005624_00000047-00056

Electron Hydro Intake Project DATE: Oct 8th 2020 Page: 1 of 2

	Morning	Afternoon										
Weather:	Overcast											
Precipitation:	Ø	Ø										
River Level:	300	290	283	283								
Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
Upstream Sample Point #1												
time	7:00	7:45	8:45	12:30								
NTU	65.0	65.0	65.0	60.0								
Turb Color	light Brn	light Brn	light Brn	light Brn								
pH	–	–	–	–								
Description of work performed	Tying rebar standing Front forms	" " inserting embeds into wall	" "	" "								
Dnstream Sample Point #2												
time	7:15	8:00	9:00	12:45								
NTU	60.0	60.0	60.0	60.0								
NTU Δ from #1	light Brn	light Brn	light Brn	light Brn								
Turb Color	-5.0	-5.0	-5.0	Ø								
pH	–	–	–	–								
pH Δ from #1	–	–	–	–								
Description of work performed	" "	" "	" "	" "								

Notes: · Crews continued to stand forms, tye rebar cages, & install embeds.
· Engineering worked w/ crew for layout for air bladder embeds for future project.

Oil Sheen: No Issue

Observed by (print): Corey Klepe Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000807

ED_005624_00000047-00057

Electron Hydro Intake Project DATE: Oct 8th 2020

Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
(Conveyance Channel) Sample Point #3												
time	7:20	8:05	9:05	12:50								
NTU	10.0	9.0	9.0	8.0								
Turb Color	Clear	Clear	Clear	Clear								
pH	–	–	–	–								
Description of work performed												
(300' Dnstream from work area) Sample Point #4												
time	7:25	8:10	9:10	12:55								
NTU	30.0	35.0	40.0	45.0								
Turb Color	Clear	Clear	Clear	Clear								
pH	–	–	–	–								
Description of work												

Notes:

Sample #5	7:30	8:15	9:15	1:00
NTU	100.0	100.0	90.0	80.0
COLOR	Light Brn	Light Brn	Light Brn	Light Brn

• Sample #5 not pumped into river, hose diverted to conveyance channel, as NTU reading was over background. Monitored discharge @ #3, no turbid discharge occurred into river.

Oil Sheen: No Issue

Observed by (print): Corey Klepre Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000808

ED_005624_00000047-00058

Electron Hydro Intake Project DATE: Oct 7th 2020

	Morning	Afternoon										
Weather:	Clear	Sunny										
Precipitation:	Ø	Ø										
River Level:	340	340	330	326	322	320	320	321				
Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
Upstream Sample Point #1												
time	7:30 Am	8:05 Am	9:05 Am	1:00 pm	3:00 pm	3:40	4:30	5:05				
NTU	120	130	130	95.0	95.0	95.0	90.0	95.0				
Turb Color	Light Brn	Light Brn	Light Brn	Light Brn	Light Brn	Light Brn	Light Brn	Light Brn				
pH	7.84	—	7.84	—	—	—	—	—				
Description of work performed	install Rebar/ improve work Access	improve work site access/ install rebar	installing front wall forms	" "	" " & excavating fill material	" "	" "	" "				
Dnstream Sample Point #2												
time	7:45 am	8:20 am	9:25 Am	1:15 pm	3:15 pm	3:55	4:45	5:20				
NTU	120	120	120	95.0	95.0	90.0	90.0	90.0				
NTU Δ from #1	Ø	-10	-10	Ø	Ø	-5	Ø	-5				
Turb Color	Light Brn	Light Brn	Light Brn	Light Brn	Light Brn	Light Brn	Light Brn	Light Brn				
pH	7.85	—	7.84	—	—	—	—	—				
pH Δ from #1	+.01	—	Ø	—	—	—	—	—				
Description of work performed	" "	" "	" "	" "	" "	" "	" "	" "				

Notes: - Crews started in river work @ 7:30
- work primarily was installing rebar and wall forms. Beginning of day improved site access on down stream access. @ 3:00 excavated part of fill and hauled to upper landing, excavated next to left side existing wall to remove material.

O.I. Sheen: No Issues

Observed by (print): Corey Klegre Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000809

ED_005624_00000047-00059

Electron Hydro Intake Project DATE: Oct 7th 2020

Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
(Conveyance Channel) Sample Point #3												
time	7:50	8:25	9:30 Am	1:20 pm	3:25	4:00	4:50	5:25				
NTU	10.0	10.0	13.0	8.0	10.0	11.0	13.0	13.0				
Turb Color	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear				
pH	—	—	—	—	—	—	—	—				
Description of work performed	install rebar work access	" "	install wall forms	" "	" " Excavate. fill material	" "	" "	" "				
(300' Dnstream from work area) Sample Point #4												
time	7:55	8:30	9:35	1:25	3:30	4:05	4:55	5:30				
NTU	120	150	150	60.0	60.0	100	100.0	80.0				
Turb Color	Light Brn	Light Brn	Light Brn	Light Brn	Light Brn	Light Brn	Light Brn	Light Brn				
pH	—	—	—	—								
Description of work	" "	" "	install wall forms	" "	" "	" "	" "	" "				

Notes:

Sample point #5

Time	8:00	8:35	9:40	1:30	3:35	4:10	5:00	5:35
NTU	120	115	115	85.0	85.0	85.0	80.0	85.0
Color	Light Brn	Light Brn	Light Brn	Light Brn	Light Brn	Light Brn	Light Brn	Light Brn
pH	7.85	—	—	7.65	—	—	—	—

- Sample point #5 was less turbid than river, so water was pumped back into river.

O.I. Sheen: No Issues

Observed by (print): Corey Klegre Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000810

ED_005624_00000047-00060

Electron Hydro Intake Project DATE: Oct 6 2020

	Morning	Afternoon										
Weather:	Clear	Sunny										
Precipitation:	Ø	Ø										
River Level:	327	335										
Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
Upstream Sample Point #1												
time	8:00 Am	10:45	1:30 pm	2:00 pm	3:00 pm	4:05						
NTU	320	>1000	>1000	>1000	>1000	>1000						
Turb Color	Brown	Choco Brn	Choco Brn	" "	" "	Choco Brn						
pH	–	7.50	–	–	–	–						
Description of work performed	finishing stand Back wallforms	installing rebar for wall	moving pump to divert water	installing rebar	installing rebar	installing rebar						
Dnstream Sample Point #2												
time	8:15 Am	11:00 am	1:45 pm	2:15 pm	3:15 pm	4:15						
NTU	300	>1000	>1000	>1000	>1000	>1000						
NTU Δ from #1	-20.0	~~[illegible]~~ Ø	Ø	Ø	Ø	Ø						
Turb Color	Brown	Choco Brn	Choco Brn	" "	" "	Choco Brn						
pH	–	7.48	–	–	–	–						
pH Δ from #1	–	-.02	–	–	–	–						
Description of work performed	" "	rebar install for wall	installing rebar for wall	installing rebar	installing rebar	installing rebar						

Notes:
- Crews started in river work @ 8:00 Am
- Crews installing last two panels for Back of wall forms.
- Crews installing rebar for wallrest of Shift.

Observed by (print): Corey Klepe Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000811

ED_005624_00000047-00061

Electron Hydro Intake Project DATE: Oct 6 2020

Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
(Conveyance Channel) Sample Point #3												
time	8:25 AM	11:10	1:50	2:10	3:10	4:20						
NTU	20.0	25.0	16	15	15	13						
Turb Color	Clear	Clear	Clear	Clear	clear	Clear						
pH	—	—	—	—	—	—						
Description of work performed	Standing forms	installing rebar	moved dirt closing channel for road	installing rebar	installing rebar	installing rebar						
(300' Dnstream from work area) Sample Point #4												
time	8:30	11:15	1:55	2:25	3:25	4:25						
NTU	35.0	300.0	300.0	250.0	250.0	225.0						
Turb Color	light Brn	Brown	Brown	Brown	Brown	Brown						
pH	—	—	—	—	—	—						
Description of work	Standing forms	installing rebar	" "	install rebar	installing rebar	installing rebar						

Notes: Update: per Thom change to WQMP, Based on site conditions going to place pump next to Downstream of spillway to pump water back into river before it enters work area. This will no longer require pump #3. Also Jerry Blocked channel to make road access to have improved access to work site. This is per Thom plan. This plan change occurred after Thom called Carol Serdar from Ecology and was made into after early afternoon. water that will be pumped will be tested prior to pumping into river. If water not in compliance for some reason it will be redirected w/ hoses into ditch. water tested NTU Aug 500, river is over 1,000 pumped water back to river.

Observed by (print): Corey Klepre Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000812

ED_005624_00000047-00062

Electron Hydro Intake Project DATE: Oct 5 2020 Page: 1 of 2

	Morning	Afternoon										
Weather:	Clear	Sunny										
Precipitation:	Ø	Ø										
River Level:	250	237										
Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
Upstream Sample Point #1												
time	7:00 am	1:00pm										
NTU	60.0	55.0										
Turb Color	green	green										
pH	–	–										
Description of work performed	rebar layout for wall	Standing forms fishcutter										
Dnstream Sample Point #2												
time	7:20 am	1:15 pm										
NTU	60.0	50.0										
NTU Δ from #1	Ø	-10										
Turb Color	green	green										
pH	–	–										
pH Δ from #1	–	–										
Description of work performed	fishcutter standing forms	Standing forms for wall										

Notes:
- Crews Started @ 7:00 Am
- Crew Started layout for wall forms
- Crews begin standing back of wall forms
- Per WDFW adjusted Down stream outlet of fish ladder w/ rock step & pools using approved excavator to move rock into place.

Observed by (print): Corey Kepe Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000813

ED_005624_00000047-00063

Electron Hydro Intake Project DATE: Oct 5 2020

Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
(Conveyance Channel) Sample Point #3												
time	7:20 am	1:20 pm										
NTU	—	—										
Turb Color	Clear	Clear										
pH	—	—										
Description of work performed												
(300' Dnstream from work area) Sample Point #4												
time	7:25	1:25 pm										
NTU	—	—										
Turb Color	Clear	Clear										
pH	—	—										
Description of work												

Notes:

Observed by (print): Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000814

ED_005624_00000047-00064

Electron Hy[illegible] Intake Project DATE: Oct 2020

	Morning	Afternoon										
Weather:	misty	Cloudy										
Precipitation:	Ø	Ø										
River Level:												
Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
Upstream Sample Point #1												
time	6:30Am	3:00pm										
NTU	39	27										
Turb Color	green	green										
pH	8.08	8.15										
Description of work performed	working on Batch Plant	working on plant										
Dnstream Sample Point #2												
time	6:45	3:15pm										
NTU	35	27										
NTU Δ from #1	-4	Ø										
Turb Color	green	green										
pH	8.06	8.18										
pH Δ from #1	-.02	+.03										
Description of work performed	working on plant	working on plant										

Notes:
- Crews started @ 6:30Am
- Worked on Batch Plant, plant had generator work to address.
- no in river work occurred during this time.
- Plant started making concrete @ 4:45pm, Finished pouring footing by 10:00pm.
- Only water contact w/ concrete during pour was pumped by pump #2 & treated w/ CO_2 as needed per WQMP.

Observed by (print): Corey Klepe Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000815

ED_005624_00000047-00065

Electron Hyd[illegible] Intake Project

DATE: Oct : 2020

Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
(Conveyance Channel) Sample Point #3												
time	6:50 Am	3:20 pm										
NTU	10	9										
Turb Color	Clear	Clear										
pH	—	—										
Description of work performed	working on plant	working on plant										
(300' Dnstream from work area) Sample Point #4												
time	6:55 Am	3:25 pm										
NTU	15	13										
Turb Color	Clear	Clear										
pH	—	—										
Description of work	working on plant	working on plant										

Notes:

Observed by (print):

Signature:

By my signature I certify that this report is accurate and true as witnessed.

Electron Hydro Intake Project

DATE: Oct 10/12/2020

	Morning	Afternoon										
Weather:	Clear	Sunny										
Precipitation:	Ø	Ø										
River Level:	320	315	310	310	310	310	310					
Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
Upstream Sample Point #1												
time	6:30	7:00	8:00	11:00	1:30	12:30	4:00					
NTU	55	55	50	40	40	39	39					
Turb Color	green	green	green	green	green	green	green					
pH	8.04	—	—	—	—	—	—					
Description of work performed												
Dnstream Sample Point #2												
time	6:45	7:15	8:15	11:15	11:45	12:45	4:15					
NTU	40	42.5	40	38	38	36	35					
NTU Δ from #1	-15	-12.5	-10	-2	-2	-3	-4					
Turb Color	green	green	green	green	green	green	green					
pH	8.04	—	—	—	—	—	—					
pH Δ from #1	Ø	—	—	—	—	—	—					
Description of work performed												

Notes:
- poured part of cut off wall for footing water in footing hole measured 10.00 pH used CO_2 injection per WQMP, water discharged pH 7.83, background was 8.04
- Crews continued to install rebar
- delivery of cement to plant
- @ 11:00am Excavated built up sediment @ pump #3 to improve pumping, no turbid discharge occurred

Observed by (print): Corey Klepe

Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000817

ED_005624_00000047-00067

Electron Hydro Intake Project

DATE: Oct 2 2020

Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
(Conveyance Channel) Sample Point #3												
time	6:50	7:20	8:20	11:20	11:50	12:50	4:20					
NTU	15	14	12	13	13	13	10					
Turb Color	Clear	Clear	Clear	Clear	Clear	Clear	Clear					
pH	—	—	—	—	—	—	—					
Description of work performed												
(300' Dnstream from work area) Sample Point #4												
time	6:55	7:25	8:25	11:25	11:55	12:55	4:25					
NTU	15	15	15	20	20	18	15					
Turb Color	Clear	Clear	Clear	Clear	Clear	Clear	Clear					
pH	—	—	—	—	—	—	—					
Description of work												

Notes:

Observed by (print): Corey Klepre

Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000818

ED_005624_00000047-00068

Electron Hydro Intake Project DATE: Oct 1 2020

	Morning	Afternoon										
Weather:	Cloudy	Sunny										
Precipitation:	0	0										
River Level:	330	330										
Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
Upstream Sample Point #1												
time	6:30	7:00	8:00	1:00								
NTU	55	55	50	45								
Turb Color	green	green	green	green								
pH	—	—	—	—								
Description of work performed	rebar install	" "	" "	" "								
Dnstream Sample Point #2												
time	6:45	7:15	8:15	1:15								
NTU	50	50	42.5	40								
NTU Δ from #1	−5	−5	−7.5	−5								
Turb Color	green	green	green	green								
pH	—	—	—	—								
pH Δ from #1	—	—	—	—								
Description of work performed												

Notes:
- Crews installed rebar for footing
- layout for rebar for footing
- regraded platform for crane up stream no observed sediment generation occurred
- brought one load of cement to batch plant to prep batch plant

Observed by (print): Corey Klepre Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000819

ED_005624_00000047-00069

Electron Hydro Intake Project DATE: Oct 1 2020

Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
(Conveyance Channel) Sample Point #3												
time	6:50	7:20	8:20	1:20								
NTU	10	8.0	8.0	8.0								
Turb Color	Clear	clear	clear	clear								
pH	—	—	—	—								
Description of work performed												
(300' Dnstream from work area) Sample Point #4												
time	6:55	7:25	8:25	1:20								
NTU	15	15	14	13								
Turb Color	Clear	clear	clear	clear								
pH	—	—	—	—								
Description of work												

Notes:

Observed by (print): Corey Kleppe Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000820

ED_005624_00000047-00070

Electron Hydro Intake Project DATE: Sept 30 2020

	Morning	Afternoon										
Weather:		Sunny										
Precipitation:	Ø	Ø										
River Level:	310	310										
Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
Upstream Sample Point #1												
time	6:30	7:00										
NTU	55	50										
Turb Color	green	green										
pH	~~Ø~~	~~Ø~~										
Description of work performed	equipment up. rebar installing	install rebar										
Dnstream Sample Point #2												
time	6:45	7:15										
NTU	45	45										
NTU Δ from #1	-10	-5										
Turb Color	green	green										
pH	—	—										
pH Δ from #1	—	—										
Description of work performed	install rebar	install rebar										

Notes: . Crews stared @ 6:30 installing rebar for footing
. Crew members around 7:45 - 8:00 am noticed seepage under coffer dam that required immediate attention to mitigate water flowing into work site. All other activities stopped to address. remainder of day shift so worked slope u/stream of work area to redirect flow to pump #2 & stabilize slope w/ large rock. Now slope was stabilized & water diverted to pump #2

Observed by (print): Corey Klepe Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000821

ED_005624_00000047-00071

Electron Hydro Intake Project DATE: Sept 30 2020

Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
(Conveyance Channel) Sample Point #3												
time	6:50	7:20										
NTU	13	13										
Turb Color	Clear	clear										
pH	–	–										
Description of work performed	installing rebar	installing rebar										
(300' Dnstream from work area) Sample Point #4												
time	6:55	7:25										
NTU	14	14										
Turb Color	clear	clear										
pH	–	–										
Description of work	installing rebar	installing rebar										

Notes:

- night shift watched pumps & followed Dewatering per WQMP
- Due to work hauled during day shift all work was paused. Sampling for water quality was put on hold to help redirect water flow from work site potential and have follow go to pump #2. once flow redirected and during this time no sediment generating activity occurred.
- during the slope stabilization rocks fell into rebar mat over footing forms approx 3 large rocks fell into rebar, these could not be removed by hand. Did not affect forms though

Observed by (print): Corey Klepp Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000822

ED_005624_00000047-00072

Electron Hydro Intake Project DATE: Sept 29th 2020

	Morning	Afternoon										
Weather:	Clear	Sunny										
Precipitation:	Ø	Ø										
River Level:	336	336	336		336	332						
Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
Upstream Sample Point #1												
time	6:30	7:00	8:00	9:00	12:30	3:00						
NTU	50	50	55	55	40	35						
Turb Color	Semi clear	Semi clear	Semi clear	Semi clear	Semi clear	Semi clear						
pH	—	—	—	—	—	—						
Description of work performed	Camp warm up excavate	installing rebar	installing rebar	installing rebar	installing rebar	CO2 prep for concrete in place						
Dnstream Sample Point #2												
time	6:45	7:15	8:15	9:15	12:45	3:20						
NTU	45	45	47.5	48	78.5	33.5						
NTU Δ from #1	-5.0	-5.0	-7.5	-7.0	-1.5	-1.5						
Turb Color	Semi clear	Semi clear	Semi clear	Semi clear	Semi clear	Semi Clear						
pH	—	—	—	—	—	—						
pH Δ from #1	—	—	—	—	—	—						
Description of work performed	excavate	installing rebar	installing rebar	installing rebar	installing rebar	installing rebar						

Notes:
- Excavating continued for footing, rebar installation for footing began.
- Dewatering in place per WQMP.
  - Set up CO_2 tanks in prep for concrete.
- no visible turbid discharge occurred

Observed by (print): Corey Klepp

Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000823

ED_005624_00000047-00073

Electron Hydro Intake Project DATE: Sept 21st 2020 Page: __ of 2

Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
(Conveyance Channel) Sample Point #3												
time	6:50	7:20	8:20	9:20	1:00	3:25						
NTU	18	16	18	15	15	15						
Turb Color	Clear	Clear	Clear	Clear	Clear	Clear						
pH	—	—	—	—	—	—						
Description of work performed	excavating	installing rebar	installing rebar	installing rebar	installing rebar	installing rebar						
(300' Dnstream from work area) Sample Point #4												
time	6:55	7:25	8:25	9:25	1:05	3:30						
NTU	24	24	26	26	30	34						
Turb Color	Clear	Clear	Clear	Clear	Semi Clear	Semi clear						
pH	—	—	—	—	—	—						
Description of work	excavating	installing rebar	installing rebar	installing rebar	installing rebar	installing rebar						

Notes:

Observed by (print): Corey Kleppe Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000824

ED_005624_00000047-00074

Electron Hydro Intake Project DATE: Sept 28th 2020

	Morning	Afternoon										
Weather:	Clear	Sunny										
Precipitation:	Ø	Ø										
River Level:	380 cfs	365 cfs	365	365	360							
Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
Upstream Sample Point #1												
time	6:30	7:00	8:00	9:00	10:00	2:00	2:35	3:00	3:30	4:00	5:00	
NTU	23	23	22	22	22	24	24	23	23.5	24	26	
Turb Color	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	clear	clear	
pH	—	—	—	—	—	—	—	—	—	—	—	
Description of work performed	Equip. warmup setting grade	Excavate footing	Excavating haul material	Excavating haul material	Excavate haul material	excavate haul material	excavate haul material	" "	" "	" "	" "	
Dnstream Sample Point #2												
time	6:45	7:15	8:15	9:00	10:15	2:15	2:45	3:15	3:45	4:15	5:15	
NTU	22.5	22	22	22	22	22.5	23	23	22	22.5	24	
NTU Δ from #1	-0.5	-1	Ø	Ø	Ø	-1.5	-1	Ø	-.5	-1.5	-2	
Turb Color	Clear	Clear	Clear	Clear	Clear	Clear	clear	clear	clear	clear	clear	
pH	—	—	—	—	—	—	—	—	—	—	—	
pH Δ from #1	—	—	—	—	—	—	—	—	—	—	—	
Description of work performed	setting grade	Excavate footing	Excavating haul material	Excavate haul material	Excavate haul material	excavate hauling material	excavate hauling	" "	" "	" "	" "	

Notes: Activities - Dewatering in place - Excavating for concrete footing started 6:30am
- Setting grade for footing

Observed by (print): Corey Klepe Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000825

ED_005624_00000047-00075

Electron Hydro Intake Project DATE: Sept 28th 2020

Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
(Conveyance Channel) Sample Point #3												
time	6:50	7:25	8:25	9:25	10:25	2:25	2:50	3:20	3:50	4:20	5:20	
NTU	7.7	7.8	7.7	8.0	7.6	15	15	15	8.0	8.0	8.0	
Turb Color	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	
pH	—	—	—	—	—	—	—	—	—	—	—	
Description of work performed	setting grade	excavate footing	excavate haul material	excavate haul material	excavate haul material	excavate haul material	" "	" "	" "	" "	" "	
(300' Dnstream from work area) Sample Point #4												
time	6:55	7:30	8:30	9:30	10:30	2:30	2:55	3:25	3:55	4:25	5:25	
NTU	8.6	8.7	8.8	9.0	11.0	150	100	60	30	25	20	
Turb Color	Clear	Clear	Clear	Clear	Clear	light Brn	light Brn	Semi clear	clear	clear	clear	
pH	—	—	—	—	—	—	—	—	—	—	—	
Description of work	Δ in NTU + 0.9	Excavate footing	excavate haul material	excavate haul	excavate hauling	excavate	" "	" "	" "	" "	" "	

Notes:

* @ 2:00 pm after lunch crews began excavating again no visible discharge, pump @ pump location 2 was off & water flowed through work site carrying turbid water through to conveyance channel, pump 3 was turned on & crews paused work until discharge from channel (sample point #3) was tested, discharge to river never exceeded background, work continued after, & sampling began again. No observed turbid discharge occurred to river, BMPs were successful.

Observed by (print): Corey Klepper Signature: [signature]

By my signature I certify that this report is accurate and true as witnessed.

Electron Hydro Intake Project DATE: Sept 27 2020

	Morning	Afternoon										
Weather:	Clear	Sunny										
Precipitation:	Ø	Ø										
River Level:	550	450	445	445	400	400						
Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
Upstream Sample Point #1												
time	6:30	7:30	8:00	9:00	12:15	2:30						
NTU	25	25	25	25	21	22						
Turb Color	Clear	clear	Clear	Clear	clear	clear						
pH	—	—	—	—	—	—						
Description of work performed	equip warming excavate for footing	Excavate footing	" "	setting grade	grading	grading prepping rebar						
Dnstream Sample Point #2												
time	6:45	7:15	8:15	9:15	12:30	2:45						
NTU	26	25	23	23	22	22						
NTU Δ from #1	+1	Ø	-2	-2	+1	Ø						
Turb Color	Clear	clear	clear	clear	clear	clear						
pH	—	—	—	—	—	—						
pH Δ from #1	—	—	—	—	—	—						
Description of work performed	excavate footing	Cont'd excavate	" "	setting grade	grading	grading prepping rebar						

Notes:
- Crews started @ 6:30Am
- Excavating footing work continued
- Dewatering water as it flowed through work area - infiltrated into woods
- Crew ended & night crew came on to watch pumps @ 7:00pm. Pump #4 starter went bad, moved pump #3 to #4 location. Using pump #2 into ditch to pump #4 location still effective

Observed by (print): Corey Kleppe

By my signature I certify that this report is accurate and true as witnessed.

Signature:

EH-USA000827

ED_005624_00000047-00077

Electron Hydro Intake Project DATE: Sept 27 2020

Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
(Conveyance Channel) Sample Point #3												
time	6:50	7:20	8:20	9:20	12:40	2:55						
NTU	10	10	10	10	16	14						
Turb Color	Clear	Clear	Clear	Clear	Clear	Clear						
pH	–	–	–	–	–	–						
Description of work performed	excavate footing	cont'd excavate	" "	setting grade	grading	grading prepping rebar						
(300' Dnstream from work area) Sample Point #4												
time	6:55	7:25	8:25	9:25	12:45	3:00						
NTU	15	15	20	20	20	16						
Turb Color	Clear	Clear	Clear	Clear	Clear	Clear						
pH	–	–	–	–	–	–						
Description of work	excavate footing	" "	" "	setting grade	grading	grading prepping rebar						

Notes:

Observed by (print): Corey Klepre

Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000828

ED_005624_00000047-00078

Electron Hydro Intake Project

DATE: Sept 26 2020

	Morning	Afternoon											
River Level:	670												
Weather:	Cloudy												
Precipitation:													
Sample Location	1	2	3	4	5	6	7	8	9	10	11	12	
Upstream Sample Point #1													
time	6:30 am	7:00	8:00	9:00	1:30								
NTU	50	45	45	40	38								
Turb Color	Semi clear	Semi clear	Semi clear	Semi clear	Semi clear								
pH	—	—	—	—	—								
Description of work performed	Equipment warmup, Continued sheet piling	Sheetpiling excavate footing	Adjusted outlet protection in ditch	Sheetpiling	Sheetpiling								
Dnstream Sample Point #2													
time	6:45	7:20	8:15	9:15	1:45								
NTU	50	45	40	37	38								
NTU Δ from #1	0	0	-5	-3	0								
Turb Color	Semi clear	Semi clear	Semi clear	Semi clear	Semi clear								
pH	—	—	—	—	—								
pH Δ from #1	—	—	—	—	—								
Description of work performed	Sheet piling excavate area for footing	Sheetpiling excavate footing	Sheetpiling outlet protection	Sheetpiling Rock Berm adjusted	sheetpiling								

Notes: . work started @ 6:30 Am

- Crews in river continuing sheetpiling, excavating as needed.
- Dewatering occurred throughout shift.
- Pump crew overnight to keep water levels down in work area.
- adjusted outlet protection for discharge into ditch BMP outlet protection w/ manhole
- Rock Berm adjusted @ discharge of channel to reduce flow of discharge.

Observed by (print): Corey Klepze

Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000829

ED_005624_00000047-00079

Electron Hydro Intake Project DATE: Sept 26 2020

Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
(Conveyance Channel) Sample Point #3												
time	6:50	7:25	8:30	9:30	2:00							
NTU	15	15	15	14	20							
Turb Color	clear	Clear	Clear	Clear	Clear							
pH	—	—	—	—	—							
Description of work performed	excavate for footing	excavate footing sheetpiling	Outlet protection adjusted	Rock Berm adjusted	sheetpiling							
(300' Dnstream from work area) Sample Point #4												
time	6:55	7:30	8:35	9:35	2:05							
NTU	11	8	10	10	22							
Turb Color	Clear	Clear	Clear	Clear	Clear							
pH	—	—	—	—	—							
Description of work	excavate for footing	" "	sheetpiling	sheetpiling Rock Berm	sheetpiling							

Notes:

crews worked till 10:00pm.

- continued sheetpiling for footing forms till end of shift.
- crews @ night just manned pumps & watched water levels in work area.

Observed by (print): Corey Klepze Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000830

ED_005624_00000047-00080

Electron Hydro Intake Project

DATE: Sept 25 2020

	Morning	Afternoon
River Level:	570	570
Weather:	light rain	Raining
Precipitation:	1/2"	1"

Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
Upstream Sample Point #1												
time	6:20	7:30	8:00	9:00	11:30	12:00	1:00					
NTU	100	90	81	75	65	75	80					
Turb Color	light Brn	light Brn	light Brn	light Brn	light Brn							
pH	7.3	–	–	–	–	–	–					
Description of work performed	temp 8.0°C											
Dnstream Sample Point #2												
time	6:50	7:45	8:20	9:20	11:45	12:20	1:20					
NTU	95.0	90	85	75	65	70	75					
NTU Δ from #1	-5	0	+4	0	0	-5	-5					
Turb Color	light Brn	light Brn	light Brn	light Brn	light Brn							
pH	7.28	–	–	–	–	–	–					
pH Δ from #1	-.02	–	–	–	–	–	–					
Description of work performed												

Notes:
Started work @ 6:30
- Began dirt work building up DS road way to drive excavator up to spillway to sheet pile for stability of site. @ 7:30
- @ 11:30 Began excavating next to road to remove material (hauled to upper landing). Also @ this time began sheet piling.

Observed by (print): Corey Klepper

Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000831

ED_005624_00000047-00081

Electron Hydro Intake Project DATE: Sept 25 2020

Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
(Conveyance Channel) Sample Point #3												
time	7:00	7:55	8:30	9:25	11:50	12:25	1:30					
NTU	18.0	18.0	36	40	8.6	19	25					
Turb Color	Clear	Clear	Clear	Clear	Clear	Clear	Clear					
pH	—											
Description of work performed												
(300' Dnstream from work area) Sample Point #4												
time	7:05	8:00	8:35	9:30	11:55	12:30	1:35					
NTU	18.0	18.0	70	75	80	90	85					
Turb Color	Clear	Clear	Clear	Slight brn	Slight brn	Slight brn	Slight brn					
pH												
Description of work												

Notes:

- Hydraulic spill (fish oil) on hill from upper landing to US of coffer dam. Immediate work site stop & deployed spill kits to clean & stop spill. (2:30pm)
- #4 point water not discharged to river, pooled up still w/ peak berm, per SH (consultant) water that discharges @ #3 has been well in compliance & clean. #4 water is a trickle, since most of work site water is being pumped/infiltrated per WQMP.
- Crews worked till 10:30pm. Turbidity had shown no discharge to river, pumps were effective in control water & infiltrating into woods.
- Crews finished shift continuing site prep for concrete wall footing.

Observed by (print): Corey Kleppe Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000832

ED_005624_00000047-00082

Electron Hydro Intake Project DATE: Sept 4 2020 Page: 1 of 2

	Morning	Afternoon										
River Level:	1200 CFS											
Weather:	Overcast	Light Rain										
Precipitation:	Ø	1/2"										
Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
Upstream Sample Point #1												
time	6:00	12:00	1:30	2:30	6:00							
NTU	950	700	550	450	330							
Turb Color	Brown	Brown	Brown	Light Br	Light Br							
pH	7.3	—	—		—							
Description of work performed	1200 CFS	900 CFS										
Dnstream Sample Point #2												
time	6:30	12:30	1:50	3:00	6:20							
NTU	950	650	560	360	253							
NTU Δ from #1	Ø	-50	Ø	Light Br	Light Br							
Turb Color	Brown	Brown	Brown	-90	-77							
pH	7.21	—	—	—	—							
pH Δ from #1	-.01	—	—	—	—							
Description of work performed												

Notes: work started @ 6:00 am. Dewatering began to drain water from work area w/ pumps into woods (infiltration.) No observed erosion, BMP's working.
@ 1:00 operator excavated deeper hole for pump 3, this was in effort to help pump pull water. Per Environmental Consultant advised Blocking discharge @ outlet of channel to prevent rain water & excavating to add too much siltation in water. Operator took excavator to discharge & used local rock to block for time being outlet. When rain stopped & water clean will reopen.

Observed by (print): Corey Klepper Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000833

ED_005624_00000047-00083

Electron Hydro Intake Project

DATE: Sept 24 2010

Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
(Conveyance Channel) Sample Point #3												
time	6:45	12:45	2:00	2:45	6:30							
NTU	900	600	333	650	550							
Turb Color	Brown	Brown	Brown	Brown	Light Brn							
pH	7.25	–	–		–							
Description of work performed	1200 CFS	900 CFS										
(300' Dnstream from work area) Sample Point #4												
time												
NTU												
Turb Color	Brown	Brown	Brown	Brown	Light Brn							
pH												
Description of work												

Notes:

Observed by (print): Corey Klepke

Signature:

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000834

ED_005624_00000047-00084

Electron H[illegible]o Intake Project

DATE: 09/2 /2020
Sept 23 2020

	Morning	Afternoon										
River Level:	—	550 cfs										
Weather:	—	light Rain										
Precipitation:	—	1/2"										
Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
Upstream Sample Point #1												
time	2:00 pm	2:35	3:05	4:05	5:00							
NTU	500	600	650	700	>1000							
Turb Color	light brown	light brown	light brown	Brown	Choco Brown							
pH	N/A	N/A	N/A	N/A	N/A							
Description of work performed CFS	Site prep Dewater prep 550	560	575	Prep Coffer & Rd 600	welded Flat bar to backside of Connexs							
Dnstream Sample Point #2												
time	2:30pm	2:50	3:20	4:20	5:30							
NTU	450	610	650	725	>1000							
NTU Δ from #1	-100	+10	0	+25	~~[illegible]~~							
Turb Color	light brown	light brown	L brown	brown	Choco Brn							
pH	N/A	N/A	N/A	N/A	N/A							
pH Δ from #1	N/A											
Description of work performed	Same as earlier, continuing			prep Coffer & Rd	Cont'd welding							

Notes:

Work Commenced @ 2:00 pm, Electron notified by WDFW for approval of HPA. work on site began shortly after by stabilizing Cofferdam & setting up pumps per WQMP. work site showed no turbid discharge into river, & water in work area was discharging thru Channel. work ended by 9:00pm. Water background & flow of CFS went up to 1,700 cfs during the night

Observed by (print): Corey Kleppe

Signature: [signature]

By my signature I certify that this report is accurate and true as witnessed.

EH-USA000835

ED_005624_00000047-00085

Electron Hydro Intake Project

DATE: Sept 2 2020

Sample Location	1	2	3	4	5	6	7	8	9	10	11	12
(Conveyance Channel) Sample Point #3												
time	2:45pm	3:15	3:45	5:45								
NTU	100	110	120	600								
Turb Color	Clear/Slight Cl	—	—	L Brn								
pH	—	—	—	—								
Description of work performed	Prepping Dewatering	Shared work by pump 3	Prep to weld flat bar to letter	welding Dewatering in channel								
(300' Dnstream from work area) Sample Point #4												
time												
NTU												
Turb Color												
pH												
Description of work	No river work N/A	N/A	N/A									

Notes:

Observed by (print): Corey Klepe

By my signature I certify that this report is accurate and true as witnessed.

Signature:

EH-USA000836

ED_005624_00000047-00086

Date	Day	Sampler	Time	Location	Turb1	Turb2	Turb3	Turb4	Turb Avg. (cm)	NTU	△ NTU	change from background
7/15/2020	Wednesday	MV	8:10	Bridge Washout	5.4	5.2			5.3			
			9:00	Acclimation Pond	4.5	4.2			4.35		0.95	(0.18)
			14:40	Bridge Washout	8.2	8.1			8.15	175		
			15:30	Acclimation Pond	6	6.4	6		6.13	245	70	(0.25)
7/18/2020	Saturday	MV	12:15	Bridge Washout	7.6	8	8		7.87	87		
			12:45	Acclimation Pond	7.2	7.2			7.2	109	22	(0.09)
7/21/2020	Tuesday	MV	12:00	Bridge Washout	5.6	6.2	5.9	5.8	5.88	156		
			12:45	Acclimation Pond	4.2	4.2	4.4		4.27	197	41	(0.27)
7/23/2020	Thursday	CK	NA	Bridge Washout	~8				8			
			NA	Acclimation Pond	~6				6			(0.25)
7/24/2020	Friday	MV	9:25	Acclimation Pond	5.4	5.3	5.5		5.4	170		
			11:20	Bridge Washout	4	4	4.2		4.07	194	24	(0.25)
7/30/2020	Thursday	MV	8:45	Bridge Washout	4.4	4.2	4.5		4.37	>200		
			9:15	Acclimation Pond	3.6	3.5	3.4		3.5	>200		(0.20)
7/31/2020	Friday	MV	7:45	Bridge Washout	1.4	1.2	1.5		1.37	>200		
			8:15	Acclimation Pond	1.2	1.2	1.2		1.2	>200		(0.12)
8/1/2020	Saturday	MV	13:15	Bridge Washout	4.2	4.2	4		4.13	>200		
			14:00	Acclimation Pond	4.2	5	4.8	4.2	4.55	>200		0.10
			14:15	Staff Gage	3.6	3.8	3.8		3.73	>200		
8/3/2020	Monday	MV	9:15	Bridge Washout	6.6	6.8	6.6		6.67	108		
			10:00	15mDSAccPond	5.6	5.8	5.6		5.67			(0.15)
			10:15	Staff Gage	6.4	6.2	6.4		6.33	108	0	
8/5/2020	Wednesday	MV	9:52	Bridge Washout	6.9	7.4	7.2		7.17	116		
			8:15	5mUSAccPond	6.4	6.8	6.2	6.5	6.48			(0.10)
			8:30	Staff Gage	5.6	5.2	5.6	5.4	5.4	134	-18	
8/6/2020	Thursday	MV	10:35	Bridge Washout	9.9	10.4	10		10.1	75.3		
			11:15	AccPondEffluent	0.6	0.6			0.6			(0.94)
			11:20	5mUSAccPond	11	10.6	10.8		10.8			
			11:30	Staff Gage	9	9.2	9.5	8.8	9.13	88.5	13.2	
8/7/2020	Friday	MV	10:30	Bridge Washout	12.2	12.5	10.7	11.8	11.8	61		
			11:00	AccPondEffluent	7.8	7.9	7.9		7.87			(0.33)
			11:10	5mUSAccPond	12.5	12.7	11.6	11.8	12.15			

EH-USA000837

ED_005624_00000047-00087

Date	Day	Sampler	Time	Location	Turb1 cm	Turb2 cm	Turb3 cm	Turb4 cm	Turb Avg. (cm)	NTU	△ NTU	change from background
			11:25	Staff Gage	10.8	11.3	11		11.03	58.2	-2.8	
			12:50	New Riverbed Settling	12	11.4	10.8	10.4	11.15			
08/10/2020	Monday	MV	15:15	Bridge upstream	3.0	3.3	3.4			>200		
			15:30	New Ditch EFF.	10.4	10.4	10.1					
			15:40	Acc Pond	5.0	5.0	4.6	4.7				
			15:50	Staff Gage	3.8	3.7	3.6			>200		
08/11/2020	Tuesday	MV	06:50	Site 1 (Bridge)	5.2	4.9	5.2		5.10	179		
				Site 2 (Ditch)	8.6	8.4	8.4		8.47			
				Site 3 (Acc Pond)	5.6	6.2	5.8	5.7	5.83			
				Site 4 (Gauge)	4.6	4.4	4.5		4.5	178	-1	-1 NTU
08/12/2020	Wednesday	MV	13:35	Site 1 (Bridge)	7.6	6.9	7.4	7.0	7.23	95		
				Site 2 (Ditch)	16.2	16.7	17.6	16.6	16.78			
				Site 3 (Acc Pond)	10.6	10.4	10.2		10.40			
			14:30	Site 4 (Gauge)	7.0	7.6	7.6		7.4	86	+1	+1 NTU
08/13/2020	Thursday	MV	12:45	Site 1	8.9	8.7	8.8	9.0	8.85	64		
			13:10	Site 2	22.6	21.6	21.6	22.0	21.95			
			13:20	Site 3	8.8	9.0	9.0		8.93			
			13:30	Site 4	11.4	11.0	10.9	11.0	11.08	62	-2	-2 NTU
08/14/2020	Friday	MV	15:20	Site 1	12.4	12.4	12.2		12.33	—	←	No sample
			15:40	Site 2	24.7	24.8	25.2	25.0	24.93			Broken NTU
			16:00	Site 4	12.7	11.6	12.0	11.7	12.00	45		vial
			15:50	Site 3	—	—	—	—	—	—		Too Dry
08/15/2020	Saturday	MV	12:25	Site 1	5.8	6.2	6.1		6.03	102		
			12:50	Site 4	7.6	7.4	7.6		7.53	96		-6 NTU
08/17/2020	Monday	MV	07:15	Site 1	2.8	2.4	2.6	-	2.6	>200		
			07:45	Site 2	4.6	4.0	4.0	3.8	4.1			
			—	Site 3	—	—	—					Too Dry
			08:10	Site 4	2.6	2.4	2.6	2.4	2.5	>200		
08/18/2020	Tuesday	MV	07:35	Site 1	3.0	3.3	3.0		3.1	>200		
			08:00	Site 2	4.6	5.0	4.8		4.8			
			—	Site 3	—	—	—	—	—	—		Dry
			08:20	Site 4	3.1	3.1	3.0		3.07	>200		

EH-USA000838

ED_005624_00000047-00088

Date	Day	Sampler	Time	Location	Turb1	Turb2	Turb3	Turb4	Turb Avg. (cm)	NTU	△ NTU	change from background
08/19/2020	Wednesday	MV	07:55	site 1	6.4	6.1	6.6	6.3	6.35	—	—	No Power
			08:15	site 2	9.0	8.8	9.0	8.9	8.93			@ Chalet
			08:30	site 4	6.4	6.1	6.0	5.8	6.08	—	—	
			—	site 3	—	—	—	—	—			site Dry
08/20/2020	Thursday	MV	11:00	site 1 (Bridge)	7.1	7.2	6.6	6.9	6.95	104		
			11:10	site 2 (stream gage)	7.8	8.1	8.0		7.97	100		site renamed #2
08/21/20	FRIDAY	MV	—	—	—	—	—	—	—	—	could	not sample
08/24/2020	Monday	MV	08:50	site 1	11.1	11.6	11.3	11.0	11.25	105		
			09:20	site 3 (ditch)	13.5	13.2	13.6		13.43			
			—	site 4 (Acc. Pond)	—	—	—	—	—	—	—	Dry
			09:30	site 2 (Gage)	10.6	10.3	10.7	—	10.53	103		
08/26/2020	Wednesday	MV	07:30	site 1	6.8	6.6	6.8		6.73	210		
			08:20	site 3 (ditch)	10.0	10.1	10.2	10.1	10.1	100		
			08:45	site 2 (Gage)	6.1	6.5	6.5		6.37	170		− 40 NTU
			—	site 4 (Acc Pond)	—	—	—	—	—	—		Dry
08/27/2020	Thursday	MV	12:00	site 1	8.6	8.3	8.5	—	8.47	104		
			13:30	site 3	14.0	14.4	14.5	13.4	14.08	(~75)		estimate
			13:40	site 2	10.7	11.0	10.6	—	10.77	99.7		
08/28/2020	FRIDAY	MV	07:40	site 1	6.8	7.0	7.0	7.6	7.1	165		~ 210 chart
			08:20	site 3	10.4	10.2	10.6		10.4	90		~120 chart
			08:40	site 2	6.4	6.6	6.3	6.7	6.5	154	−11	~240 chart
08/29/2020	Saturday	MV	09:05	site 1	6.6	6.8	6.4		6.6	270		~230 chart
			09:45	site 2	6.2	6.0	6.2		6.13	240		~240 on chart
08/31/2020	Monday	MV	12:00	site 1	6.3	5.8	6.3	6.2	6.15	270		~260 on chart
			12:45	site 3	9.0	8.6	8.8		8.8	130		~155 on chart
			13:10	site 2	6.2	7.0	7.0		6.73	220		~215 on chart
09/01/2020	Tuesday	MV	13:50	site 1	3.8	3.8	4.0		3.86	500		~530 on chart
			14:50	site 2	4.0	4.1	4.2	4.0	4.08	500		~500 on chart
09/02/2020	Wednesday	MV	12:10	site 1	3.3	3.5	3.5		3.43	550		~ 400 on chart
			12:50	site 3	4.8	4.7	5.0		4.83	270		~3.
			13:10	site 2	4.6	5.1	5.0		4.90	390		

sites renumbered

Meas Turbidimeter

07/15/20 - 08/24/2020 = using old turbidimeter, suspect readings

EH-USA000839

ED_005624_00000047-00089

Date	AirTemp °C	Sampler	Time	Location	Turb1	Turb2	Turb3	Turb4	Turb Avg. (cm)	NTU	△ NTU	H20 °C	ON Chart
09/03/2020		MV	07:15	site 1	4.4	3.8	3.8	3.7	3.93	600		7.6°	
			08:40	site 2	3.8	3.9	3.9		3.87	450	-150		
09/08/2020	7.5°	MV	07:10	site 1	7.6	7.8	8.4	8.0	7.96	180		6.3°	175~
			07:40	site 2	9.0	9.1	9.0		9.03	155	-25	6.2°	145~
09/09/2020	27°	MV	15:10	site 1	9.0	9.1	9.0		9.03	120			145
			15:36	site 2	9.8	10.4	10.1		10.1	120	—		~122
09/10/2020		MV	10:00	site 1	6.0	6.2	6.6	6.2	6.25	160		8.0°	~260
			09:30	site 2	7.2	8.0	8.4	7.4	7.75	160	—	7.7°	~185
			08:50	site 3	6.6	6.8	6.0	6.6	6.5	170		8.0°	~240
09/14/2020	~15.5°	MV	09:55	site 1	13.4	13.6	12.8	12.8	13.15	95		8.3°	~85
			10:40	site 2	13.0	13.3	13.1		13.13	85	-10		~85
09/15/2020		MV	08:55	site 1	8.6	9.6	8.1	9.2	8.88	160		8.9°	
			09:35	site 2	8.0	8.1	8.4	9.0	8.38	150	-10	9.1°	
09/16/2020		CK	10:00	Site 1	8.4	8.5	8.4		8.43	115		8.5°	
			10:30	Site 2	8.8	9.0	9.0		8.93	105	-10	8.4°	
9/17/2020		CK	7:00	Site 1	9.0	8.8	9.0		8.93	100		8.6°	
			7:30	Site 2	9.2	9.0	9.2		9.13	100		8.5°	
9/18/2020		CK	9:45	Site 1	9.0	8.8	8.6		8.80	135		8.8°	
			10:15	Site 2	9.4	9.4	9.6		9.46	122	-13	9.0°	
9/23/2020		CK	11:30	Site 1						136		9.4°	
			12:00	Site 2						140	+4	9.5°	

EH-USA000840

ED_005624_00000047-00090

Date	AirTemp °C	Sampler	Time	Location	Turb1	Turb2	Turb3	Turb4	Turb Avg. (cm)	NTU	△NTU	H20 °C

Date	AirTemp °C	Sampler	Time	Location	Turb1	Turb2	Turb3	Turb4	Turb Avg. (cm)	NTU	△ NTU	H20 °C

Date	AirTemp °C	Sampler	Time	Location	Turb1	Turb2	Turb3	Turb4	Turb Avg. (cm)	NTU	△ NTU	H20 °C

EH-USA000843

ED_005624_00000047-00093

H_2O

Date	Day	Time	Sampler	Location	pH read 1	pH read 2	pH read 3	pH Avg	Temp °C	Comments
08/27/2020	Thursday	12:00	MV	site 1	7.60				10.7°	Background Levels
				site 3	7.74				16.5°	Background Levels
				site 2	7.59				12.5°	Background Levels
08/28/2020	Friday	07:40	MV	site 1	7.46				7.0°	
		08:20		site 3	7.41				7.9°	
		08:40		site 2	7.45				6.8°	
08/29/2020	Saturday	09:05	MV	site 1	7.41				7.5°	
		09:45		site 2	7.35				7.9°	
08/31/2020	Monday	12:00	MV	site 1	7.62				9.4°	
		12:45		site 3	7.65				11.7°	
		13:10		site 2	7.49				9.6°	
09/01/2020	Tuesday	13:50	MV	site 1	7.45				13.0°	
		14:50		site 2	7.31				14.1°	
09/02/2020	Wednesday	12:10	MV	site 1	7.48				10.6°	
		12:50		site 3	7.50				15.0°	
		13:10		site 2	7.35				11.9°	
09/03/2020	Thursday	07:15	MV	site 1	7.25				7.6°	
		08:40		site 2	7.20				7.7°	
09/08/2020	Tuesday	07:10	MV	site 1	7.44				6.3°	
		07:40		site 2	7.35				6.2°	
09/10/20	Thursday	10:00	MV	site 1	7.14				8.0°	
		09:30		site 2	7.15				7.7°	
		08:50		site 3	7.14				8.0°	
09/14/2020	Monday	09:55	MV	site 1	7.38				8.3°	
		10:40		site 2	7.23				8.5°	
09/15/2020	Tuesday	08:55	MV	site 1	7.39				8.9°	-0.22 pH in ~ 2500 ft ?!
		09:35		site 2	7.17				9.1°	after 1st rainy rains
09/16/2020	Wed	10:00	CK	Site 1	7.44				8.5°	
		10:30		Site 2	7.32				8.4°	
09/17/2020	Thurs	7:00		Site 1	7.30				8.0°	
		7:30		Site 2	7.29				8.3°	
09/18/2020	Fri	9:45		Site 1	7.30				8.8°	
09/18/2020		10:15		Site 2	7.28				9.0	
9/23/2020		11:30		Site 1	7.5				9.9°	
				Site 2	7.5				8.5°	

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