July 2020 Construction notes

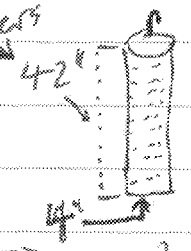
Erik Koslow
541-390-7545

Dave @ Epic info
253 230 2440

To Do:

- grating order — PO for Thom to approve
- coffer dam take off — order more lumber
  - Thom wants to do Lomax containers
- Williams Form — 2nd Bar - [illegible] — Resin
- ~~follow up on HDPE Ultraviolet Cutbell~~ Emailed
- ~~Rasmussen Slackes~~
- ~~[illegible]~~
- ~~Bring 50/40 oil + 5 cases grease~~ [illegible] → intake

Dust collect Filters



(50) w/ double wall

(50)

(2) push pull cables - ASAP — Instruments Sales & Service, Kent, Wa, John Rogin

July 6th 2000 — crews at Intake

Weather Cloudy & Sunny

(4) DAE
JL Nybo - Jerry
Electron - Temp Carpentry crew of 3 installed glass garage door

Activities
DAE - working on sluice pipe prep & bending rebar for sluice pipe
Jerry & Northwest, Pamela, Lola, Jessie & Josh
working on Batch Plant

P
5ZE83 (50) 5.9.10
26A58 (50)

Vince Hagan - Kevin Wingfield 972-672-8914

Dk

- Another welder

- ~~air hose 3/8"~~ - Minor hardware deliver 7/7/2020

- Pick up coil Rod ?
- Forklift rental 8,000 lb
- Stainless pipe embedded
- Push Pull Cable Instruments Sales & Service
- gal 15w/40 → (3)
- Grease case
- (3) def fluid

Jon T.

Intake

- water clamps 4" (50)

- 2 units 3/4" ply PO
- Ocher for foreboy from Dale
- Bilong spruce 3"x4" from Greek bar
- Forks w/ fish oil to Intake

July 7th 2020 Crews

DAE - (9) brought weld machine

Jerry Nybo - Jerry

Electron - Nathaniel, Taylor, Cole, Sean Jones, George, Thomas, Chris

Kleeby Elec - (1)

Eric Kolson - Bend Design

Latherton - (2)

Activities

Could Safety meeting

DAE working on rebar fabrication, tying rebar

Sluice pipe prep, Intake prep

Jerry & crew working on Breech Plant

operations has a mechanic out to look at Plant

Hand
Epic - [illegible]
Cylinder Rooms

To Do:

(50) (10)

- ~~[illegible]~~ ups shipping
- ~~get 4" x 2" pipe hose clamps~~
- Sani - Cons
- 8' x 10' x 1" Steel sheets ?
- ~~reschedule Sutton trucking~~ Follow up on Dyhoff
- ~~8 Escort Sutton "Kent"~~ PO for Bar grating
- ~~Ferg. waterworks will call~~ - williams form follow up
- * figure out Stainless Steel pipe [illegible]
- order 2 units 3/4 ply from Gray Lumber
- order of materials from DAE
- welder very to Dale
- ~~[illegible]~~ lux [illegible]
- ~~pick up for Jerry in Kent~~ Pacwest

July 8th 2000

Crews at Intake
DAE - 9
JWnybo - Jerry
Electron -

Activities
DAE - working on
welding for Sluice pipe,
moving materials for
Concrete Batch plant
Cement Gypsy
Prep for Inventory for
Forebay wall & material
for intake

increased metals Checks
- ~~Ferguson Waterworks~~
- ~~eye bolts~~

5" > 4" adapter for Guppy
~~4"~~ hose w/ mate CAM lok ~20-40
no steel lane maybe (I) 20'
Tank max - Pasco or Portland
if not have sutton
8% PSI for Guppy

July 8th 2010 Fish Meeting - Water Outage Coordination Meeting Itinerary
· Schedule

July 15th - Shutdown starts
best timing to dewater is following Monday 20th
River will be diverted to Left side then
install coffer dam then redirect River to
coffer then we will dewater

* Crane
rental
on July 14th

· Dalm Pre-mobility

Intake To Do

- Sluice Gate Valves (3) 3' (1) 4'
- 3' pipe for US Vault min 8'
- Go over US Vault wall Battering
- Rock Chutes 1 & 2 - get 5' x 12' x 3/8" Pipe
  ↳ pipes or boxes

- (200) nelson Studs
- ~~[illegible] cutting~~ Skilsaw blades (20) 7 1/4 48 [illegible] Steel [illegible]
- ~~Skil Saw blades 7 1/4 [illegible] general purpose~~
- 14' 2 unit 2x8 → [illegible] from Grays Counter
- 22' 2 unit 2x8
- ~~7" grinder w/ 7" wheels grinding disks w/ holes~~
- ~~4-1/2" grinding disks w/ holes~~
- get 5 point laser
- ~~wood/metal sawmill blades~~
- grease Blade nally
- Countersinking for [illegible]
- 2 where are our 5 bolt
- pump for water?
- 1 Rockbrill tools

~~[illegible] 5" female 5" [illegible]~~

12-14' 5" w/ 2 male [illegible]

Still need ~~3" 45 (1), 3" coupling (1),~~ 4" coupling (1)

Paramount Supply 3" nipple x 24" (2),

[illegible]

EH-USA039167
EH0030115

July 9th 2010 Crews

Weather Overcast light Rain

DAE (10)

JLNyn - Jerry

Electron - Northwhel, Taylor, Lole, Donnie, George, Clif

Keithy Elec (1)

Activity

- Sutton tracking delivered 5 yard Cement Guppy

- DAE - bend rebar, tying rebar.
  - welding angles to sluice pipe
  - Takeoff of materials from Dale
- Electron w/ Jerry install guppy + cleaned up/moved material for guppy. prepped further on Batch Plant
  - George + Clif welding on Batch Plant
- Keithy Elec install control panel for Batch Plant
  - Running wires for Jerry add-on for water control levels.

To Do

- ~~have shaft & pulley by Monday~~ 5/14 welding & tips
- ~~need drawing w/ UHMW from Tom~~
- ~~Nelson Stud (200)~~ - [illegible]

Email from Tom ~~Grant~~ ~~up manual & chart~~ - Year, & model #, serial #

- ~~order Bar galling~~
- 1x4 flat bar - up to intake ~ ~~2000~~ 24000 Lft
- ~~(2) 3" Caps~~
  (2) Bushes
- Cool wist water soluble drill oil for [illegible] steel
- SS pipe & fittings order?

- Thom wants $ per thousand on lumber.
- have Gray lumber update who deliver to info.
  360 735-8699

buying from
General
Sierra
SDS

- Gray lumber - Price gone up due to market
  → Thom wants Frank to go back to his bars on pricing
  Frank Devlin 253.219.8766 order purchased & fortnesday
- hairpins moved off silver tracks.
- Shaive pipe?
- 5' Rock Chute 1 pipe typically .65-70/lb after .53/lb update Monday
  Thom following up on this.

EH-USA039169
EH0030117

July 10th 2020

Crews
DAE (6) ✓ 8
Election - Cole, Donnie, Clint, George
JL Nybo Jerry
Keithly Electric (2)

Activities
DAE - prepping sluice pipe angle welds,
bending & tying rebar, prepping armoring for forms
cleaning up worksite

Keithly - running wiring & installing paddle level
bindicators for Batch Plant

Election - Cole & Donnie working on Batch Plant w/
Jerry & Keithly Ele.
George & Clint welding on Batch Plant

July 19th

To-Do

- ~~order pallet [illegible] core shield 8 w/ welding tips~~
- take 1x4 flat bar to intake (RO) 20'
- ~~Temp measuring 5:15 for crews~~
- 4-5 rolls duck tape @ intake ?
- follow up on Jerry
- follow up on Dale
- follow up on quotes

Tomorrow 7/14

- ~~2 loads cement Typ 1/11 6 sack~~
- ~~2 lb hammer min sledge~~
- 10" C clamps
- Harnasses (6 sets)

Paramount

- ~~2" pipe 15" galvanized threaded~~

Tunco

- ~~3":2" reducer bushing~~
- 3/4" Electric impact or pneumatic?

Tunco

(2)

- ~~2" 30' min 25' barb fitting threaded each end~~
- ~~2" couplings~~
- ~~2" Tee~~
- ~~2" Straight 90~~

(4) - ~~hose clamps~~

(4) ~~8" long 2" pipe~~

(2) ~~2" cap~~

EH-USA039171

EH0030119

July 13th 2020

Crews at Intake

Weather: Sunny

DAE - 8 + Pole JL Nybo - (1)

Electron - Clint, George, Donnie, Cole, Shawn Munson, Brad, Mark & Charlie, Steve G.

Kevin - (1)

Scott Simmons - (1)

Activities

- DAE - welding & fabing steel for angle on skin pipe & DS retaining wall
  - update Electron's Blue Big to welding unit part of engine block blew up.

- Electron - Clint & George welding on Batch Plant
  - Shawn M, Cole M, Donnie servicing Rock trucks
  - Brad & Kevin clearing & working upper landing area

Mark & Charlie conducting survey to establish set control points

Scott Simmons - mechanic working on Hitachi excavator

Deliveries

Layfield plastic - 80 270" x 400' 80 MIL HDPE & 1160V Non-woven 15' x 150' (16) (1609)

(425 305 7636) Lon

July 14th To-Do (120)

- ~~[illegible] intake~~ • ground clamp (1) ((2) x $167.79)
- rolls of duck tape
- ~~C clamps (6)~~
- harness (6 sets) ~1-2 wave - Corey & follow up
- 3/4 impact electric
- (3) brass solenoid valves 12" 120VDC or 120VDC (Fox Alan?)

Forgery →
- wrenches up to 1-1/4"
- socket set " "
- 3/4 socket set 1" - 2"

Forebay reinforced forgery
- rebar: #4 - 1400 Lift → 1600 (50 x 70) $050
- #8 - 1500
- metal angle location? purpose

~~4" hose clamps (15)~~

Sutton trucking $135/ton (Tonnage needed)

Engineer 35/ton/load

- Need total need of cement for intake

~700 tons?

- Slump cone & concrete cylinders for testing concrete
- Tukwila
- push pull cables - ordered overnight
- Need to follow up on cement quotes.

John C. 97.3

- Tukwila 120VDC 2" Brass Valve

EH-USA039173

EH0030121

July 14th

Crews
DAE - 8 (2 + Dolce)
Electron - Lole M, SM, Donnie, Brad, Nathaniel, Taylor, Clint
Keithly Electric -
Kevin the logger (1)
JL Nyles (1)

Activities
DAE - prepping rebar & frames for DS retaining wall, building/tying rebar frames & welding

Keithly Electric - working on electrical valves & running wire

Electron - Lole & Donnie servicing Rock trucks, Brad & Kevin clearing/logging upper landing.

Deliveries
gray lumber - (2) units of 2'x8'x14', 2'x8'x22', 3/4"x4'x8'

July 15th 2020

Crews

DAE - (7) 6-4 Dave + 2 worked till 6:30pm

Brad, Kevin, Mallon,

Electron - John T, Shawn McNally, Taylor D., Dick Sean M, Thomas, Nikki

Keithly Elec - (2)

Nathaniel 97 Sutter Concrete (3)

Corliss (1)

Lee M 97.1 Activities

Donnie 97.1

· Scheduled delivery of 2 loads of cement

· DAE - moving equip for cement unload, Armor welding, shed roof for stamps on Batch Plant

· Crane mechanic - inspect & tune up new manitowoc 10,000

- Corliss came w/ load of concrete 10 1/2 CY, Sutter poured for Batch Plant loading

DAE rating:

1-1/8" S ... w/ 3/4" rating

Form oil + sprayer

Couplers - ~100.

Bunk Bracing - (32') (24'), (18')

2x4 - 1 unit 20'

2x6 - 1 unit 20'

~~1-1/2" reducer Bushings (4)~~

~~(4) 1-1/2" nipples 4" long~~

~~□" 2" pipe thread~~

~~4" 2" threaded~~

- Started excavating in river US of coffer dam

· Layfield plastic dropped off waterlids, scheduled site visit July 16th 9:00 Am

EH-USA039175

EH0030123

July 15th To-Do

~~delivery of cement - ticket slips~~

· quotes on cement

· ~~Socket + wrench sets~~ need 1-1/4" wrenches, sockets 2" sockets

· ~~quotes on rebar for forebay~~ Need to know them

· ~~Solenoid valves 2" brass 12 VDC~~ Expensive $800/each went up 1-1/2"

· ~~3/4 impact Electric drill~~

· ~~Forebay metal angle location on wall?~~

? · ~~Valves - Sorry got one. - Kirkby got some 1 1/2" will these work?~~

1. A 2 x (15) barbe bracing 34', 24', 15'

Call → Dayton Superior - Clean Strip 52 Barrels (2)
253-872-4411 Shane - 800-800-7966 Mason Supply 425-487-6161

· ~~McLendons - Valves for 1-1/2", carpenter pencils, duck tape sharpies, flagging tape pink and red,~~
writing on stakes pocket measure tape.

will call - · Sockets 1-1/4", 2" (3/4" drive)

· ~~3/4" impact Electric (2)~~

· ~~2" galvanized pipe 21" long or two 10"~~

Call Mosco - pricing on Bracing 8005376216

Call Tom Gros - 3607518719

· ~~Flat bar for Forebay 50'~~

· Hardware Sales - 3/4 impact drill electric
206-730-2048 Lars 1-1/4" 1-1/2" rock drill size?

+ ~~check steel it thread - button bits 1 3/8" x 1-1/2"~~

· Jim Borgen Lehigh Cement. 206 682-0279

· ~~300' poly pipe for 2 1"~~

· ~~(3) barb tee 1" brass @ Times~~ 1(30) clamps

· ~~yard hydrants (3) - barb 1" → female thread~~

EH-USA039176
EH0030124

July 16th To-Do

- ~~Layfield escort & meeting @ 8:30 meeting @ 9:00am~~
- 3/4 impact drill
- ~~Forebay weak nipple location?~~
- ~~take off for flat bar for forebay~~
- have two quotes need third for lowest

NEED

- Bracing for forms & forms all White Cap HO supply Mason
- ~~2x4, 2x6 quote chain approved~~ (10' quote)
- ~~Type of steel & drill bits needed~~ to call Lars

Pay Lo 206-730-2048 is steel H-thread?
need 1-1/2" & 1-3/8"

Rick

- ~~8" wall needs 3" nipple galv~~
  ~~(2) 3" couplers~~
  total 8" wide
  ~~thread tape for oil (yellow?)~~

Float Dec sope 300' lifeline (OK)

~~Spreader bar?~~

Need

- 1-1/2" pipe 200 x (96) x (80) x (72) x (88 1/4) ~~x 64~~
- ~~Steel dammer blades~~
- ~~100' of 1/2 x 3" flat bar~~ Wednesday delivery

Impact

- (2) 1/2" Molen ~~Bobo~~ Battery
- ~~Dale needs Oxygen & acetylene tanks~~

- Equip use logs
- ~~Temp log~~ w/ Shawn M, Dale
- Time Cost log
- 1-1/2" 25' fuel hose Red hose 1-1/2" threaded End other is open

Sept July 17th Thursday

- (2) 24" 2" nipple

PAPE

- ~~Fife PAPE - Ext. teeth~~
- 1-1/2" brass Ball Valve
- (2) radios?

EH-USA039177
EH0030125

July 16th

Start End
6:00 7:30
normal
5-7pm
6:30 am
End 10:00
Sean M.
97 Pump

Crews at Intake / Others
DAE - 7/10' 6am - 4pm
JL Nybo - 7am End 10
Election - Thomas Sean M, Colen M, Matthew, Taylor, Donald, Brad, Kevin (Logger), Chief, John T, Shawn Mcnally, Wards Gaw
Layfield - (6)
Tradesmen (Election) (3)
Sutter (3) - ~~[illegible]~~ Formed

Activities
· Tradesmen - reroofing Chalet
·
DAE morning preping flat bar frames for DS wall
· John + Shawn operating 470 (Hitachi) + Deere 345 in river to build coffer dam.
· 5 Election tradesmen taking out top of spillway R bank
· DAE Afternoon - Taking apart top of R bank spillway w/ Election Tradesmen. Putting Connex's into river. Also prepping Connex's (cutting roofs off)
· Excavation of River US to build coffer dam, Excavating downstream to divert water
· Plywood installed on DS spillway

· Travis 253-306-2734 left voicemail
give Kelly #
DAE lift 1500, normal 3,000

EH-USA039178
EH0030126

July 16th 2020

· BASF
· Master Builders

Op Hrs Start	End	Equipment Rentals	Rate
6:00am	10:00p	· Hitachi 470	/Monthly
"	"	· SCB Forklift	$3,400/ Monthly
"	"	· Crane Manitowoc 1000	monthly

SL Nubo Equip

6:00A	3pm	Deere 50g mini Ex
6A	10P	Deere 345g Ex
Not Op.		Volvo A40E Rock truck
6A	10P	· PAPE ~~Roller~~ Dozer (Jay)

Electron

6A	10P	CAT 320E x
6A	10P	Hitachi 750 Ex

July 17th To DO

- Tomco
- Ferg Waterworks
-

· garbage cans

· Hilti - [illegible]

pentel · mini 50g
- Fork lift
· Bulbs for light towers spaces / Star Rents [illegible]
· Sutter / DAE / contract
· Get a [illegible] talk w/ [illegible]
· Fuel [illegible], etc
· 3/8" ~~[illegible]~~ 8" long self tap
[illegible]

DAE contract · 1.5 [illegible] on [illegible]
- ~~20g 15 40 [illegible]~~
- Kapousin

Jerry's Joe - 360-893-2623
· ~~Bosch bits 3/16 - 1"~~
for [illegible] hammer

Bracing

· 14-29½	B4	(15)	$18
· 22½-39	B5	(15)	$30
· 8-14		(10)	$20

Steven HD White CAP

~~· Cross sections of connex ?~~ Eric?
· Self tapping screws
* (3) 4 x 6 x 8' pressure treated
* · Ferguson - (3) sprinkler valve boxes
10 pizza · 250 3/8" x 4" or 3" epoxy red head concrete
[illegible]

~10 tubes Hilti epoxy [illegible] gun.
· 3/8 Bosch · Hogan punch ? [illegible]

July 18

Start	End	Crews	Weather	Overcast morning
6:00	6:00	DAE		
6:00		Electron - John T, Shawn Mc, Nathaniel, Taylor, Brad		
5:00	6:00	Donnie, Ide, Shawn M, Jerry, Tradesman 4, Ward's crew		
		Total		
		Layfield (5)		

Activities		Equip Rentals	Start	End
· Morning	*has leak →	Hitachi 470	7:00a	
DAE crew working		JCB	6:00a	
to finish picture frame		Manitowoc		
& welding flat bar for DS				
retaining wall		J Nybo		
· Electron (Ward's crew)		Deere 50g		
working to finish installing		Deere 345g	7:00a	
plywood to spillway for		Volvo A40E	not used	
coffer dam (D)		Deere Dozer 700		
· crew of three working				
to fix out control house		Electron		
· 470 leak was fixed,		CAT 320	7:00a	
backin river		Hitachi	7:00a	

· DS 6 connex installed on spillway, Exc. working river

Afternoon

Pulled out hex screws per them & replaced w/ flat head

Jerry's crew, John T, & Shawn left @ 6 pm w/ DAE

Electron trades w/ Thom, Lowry served

Cont'd on coffer dam exc. & install of plywood & connexs, exc. & pump & water US for Bucks Bowling Lane

EH-USA039181

EH0030129

July 17th Activities Cont'd

behind 8' coffer dam wall.

- Brian & Mustang came to operate when John T & Shawn left @ 6:00 pm
- 1/2" Bosch Bits [illegible] SDS bit.
- Bent crew came up to assist
- Then bolts 1/2 x 4"
- Hilti epoxy

(5) Electrician crew (bent crew) slaying after 8 to move dirt for DS of coffer dam

- going w/ timber lids for R wall for lower w/ strip of Bitchiffing.

- Get 24 units ACX 3/4" plywood (maybe get 2 extra)
- Brian & Sally & 3 more worked to 14 m Brian slipped on spillway & broke his hand.

~~Arrow~~

~~(6) 1/4" plywood CDX~~

- Hangar

Gray lumber
2537527000

Arrow lumber
360 893 2200

McLendon
2535366560

July 18 2020

Start	End	
		Crews at Intake
		Electron
6:00	7:30	John & Shawn Sean Jones,
5:30	" "	Brad
6:15	" "	Ward crew of (5)
6:15	2:00?	DAE (4 h)
6:30	5:30	Jerry & Shawn M, Lowell, Mitchell, Taylor, Dennis
6:30		George & Clive w/ 2 helpers
6:30	7:30	Zac, Mustang Sally, 3 helpers
7:00	7:30	Lay Field

Weather partly cloudy
Sunny

Activities

working
- John & Shawn finishing excavators, then operating in river
Brad operating in river
- Excavating for shoring of cofferdam
- [illegible] Cont to pump out water for shoring
- George & Clive welding on I beams for Intake bridge
- DAE crew fabbing up more frames for DS retaining wall & working w/ Electron on plywood & cofferdam
- Electron crew of (5) finishing roofing of chalet
- Crane rental started moving Ecoblocks @ 8:00 into river
- JLB fork lift (Brad) into river not working
- greedell Forklift brought to intake

EH-USA039183
EH0030131

July 18

Equip Rentals Start End
Hitachi EXC 6:30 :
JCB Zoom boom 6:30 1:00pm * had Breakdown
Man! to Mac Crane 7:00 : 1:30pm

SL Nylon
Deere 50g
Deere 345g 6:30 :
Volvo A40E not used
Roller 700
Komatsu Rock
CASE Rock
CAT Rock
Moxy Rock

July 18 To DO

- ~~Finish DAE draft~~ DAE [illegible] to review
- order 2 units [illegible] ACX
- either see more [illegible] & Hilti epoxy for [illegible] - [illegible]
  1/2" Bosch [illegible] Max bits
- [illegible] 1/2" x 4"
- Bulbs for light tower
- Return Anchors to home depot (3) 7" x 30" 12" x 20" (1)
- ~~[illegible] (3)~~ (3) sprinkler [illegible] / ~~[illegible] for [illegible]~~
- guys are bringing HDPE 18" pipe
- Size pipe @ speaker [illegible] for Cory A. 32" x 22"
- Super Sucks? not picked up
- Puyallup
- headlamps (20)
- Flashlights (10)
- mini [illegible] for [illegible]?
- [illegible] → intake

July 19th 2010

weather slight cloudy
warm overcast
1400

Start	End	Crews
6:00 am	9:00 pm	Electron: John T & Shawn, Brad, Jesse, Josh, S J, George, Chris
5:00 am	9:00	S Nybo (1) Seamally, Cole M, Nathan, Dawn (7 [illegible])
6:00 am	8:30 pm	DAE - (4)
~~10:00~~	~~6:00~~	~~Layfield~~ Layfield
6:30 am		Scott Simmons

Activities

Mostly operators using Hitachi 470, CAT 320, Deere 345 to excavate in river US of spillway

Simmons - Hitachi 700 & JCB getting JCB running, repairing counterweight

DAE - (4) welding DS picture frames, working intake steel to river from upper landing

Teams

Dawn	96.9	Sean Mc	97.2
Scott	96.7	John	96.4
Sean	98.0		
Jerry	96.0		
Adam	97.9		
Brad	97.1		
Nathaniel	96.8		
Cole	97.1		
Taylor	97.0		
Jesse	96.2		
Sean J	98.0		
George	98.1		
Chris	98.4		
Josh	98.6		

5:15

4

goal to get the US conveys for coffer dam.

Jerry may go to arrow to get cement & ply for DS fish ladder & ply for fixing out control house.

EH-USA039187
EH0030135

July 20th 2020

Weather: clear
Amb - Sunny

Start	End	Crews
6:00	9:00	Electron -
6:00	8:30	DAE - 11
6:30	6:00	Layfield (6)
7	2:00	Sutter (5)
7:	5:00	Keithly Elec - (1)

Activities	Equip
Monday turn in timecards	Manotowoc
for Electron crews	470 EX
. EX Carafi	SCB
. install Comp US	SN 460
. conc. fish ladder	345
. fir out control house	50
. DAE -	Volvo

- Layfield - working on prepping & installing plastic liner.
- Sutter pouring concrete bags for fish ladder
- Keithly working on batch plant wiring & controls
- Safety meeting w/ Manager
- Water truck delivered
- UHMW sheets delivered
- goal for afternoon - get plastic installed for coffer dam
- afternoon - liquid turf on DS of coffer dam.
- unloaded truck load of turf.
- Keithly also worked on evaluating issue w/ water pump.
- Pump's in river were down, rental pump brought in

EH-USA039188
EH0030136

July 20th To-Do

· CB ~~in Bud's~~ truck

CBs in general &

· checks in en dollars - ~~gray dollars~~

· ~~roofing for chalet~~? needs to order tin roofs

· ~~4 tools on [illegible] for Tool @ DAE~~

· ~~6" gasket for hose 1/4" thick~~

· ~~4" insulation or thick (10 sheets) → intake~~

· ~~[illegible]~~

· ~~1 1/2" PVC - updated to [illegible] at 3000'~~

· ~~Need to update order of 3/4" plywood~~

- [illegible]? [illegible]

issue → 44 7850 632130 - Dyrhoff

↳ issue bottom embed plates [illegible] going to be here [illegible] for [illegible] of months, need by next week

? ~~foto brock bit for cutting/drilling [illegible]~~

~~3/4" → air line fitting~~? - for Dutch Plant controls

· weathered copper tin roof for chalet, when ordering?

embeds → · Strike brothers Seattle Boiler 206 762 0737

· ~~[illegible]~~ pumps Buy Sunbelt - [illegible] getting [illegible] - [illegible] pump

· Cumil pre punched or do we need to punch holes

ask Dyrhoff

· ~~get headlamps~~

EH-USA039189
EH0030137

July 20th 2020 - Safety Meeting Thom, Corey A, Andy, Corey K, Jerry, Dale E

· Crane operators - need to be certified for

* Manitowoc crane. - Need to get certified

- water accessing in river, noting but large excavators.

- People too close to operating excavators

- proper attire (no shoes, PPE

~~issue on~~

- issue on Bottom plates need to be made for air bladder

- need to have covid safety as well as regular safety

- for Cranes - need taglines & rigger

- need simple approval process for rigging

- driving on roads

- Only large equipment driving across river

· Safety meetings scheduled? weekly?

- Better radios? - Corey A is on it.

- designated lines for spills so

↳ spill

EH-USA039190

EH0030138

July 21 2020 weather partly cloudy

Crews

6:00 DAE (9) 11

Electron, Andy, Ward's crew, Corey's crew

6:00 operators John, Shawn M, Brad

Carpenters

Laborers

8:00 Sutter (3)

7:00 Nybo crew ( ) Jerry, Sam x Cole M, Matthew, taylor, Dennis

6:30 Layfield

Activities

DAE - Safety meeting w/ his crew w/ Andy (Safety Manager)

Fans for DS retention, moving materials DS.

- Electron - operators using Hitachi 470 metals, CAT 370, Deere 345

8:30 - Keithley E rec

- Sutter helping w/ liner prep for Cofferdam

- Electron crews Corey's helping for DS liner prep w/ Layfield.

EH-USA039191

EH0030139

July 21st To-Do

- ~~Taglines - need rope for taglines w/ hooks 10' @ speeder barn~~

Cl. - Sluice pipe layout status?
  ↳ DS Vault?

- ~~Ply wood for [illegible] order~~ thursday
- ~~return parts to home depot~~
- ~~[illegible]~~ DAE contract red lines
- ~~JL Nybo contract [illegible]~~

July 22nd

- ~~Tomco - hose replacement (4) for grade 4 [illegible]~~
- ~~Sluice pipe layout~~
- radio charge stations
- Sunnies, dark, clear
- LD Base station for Batch plant
- ~~Bring [illegible] of oil from speeder barn~~ (10) plane lifting
- ~~Yellow diesel cans (12)~~ good ones
- ~~1/2" airline connectors~~
- ~~Sandbags (300)~~ need 100 more

EH-USA039192
EH0030140

July 22nd 2020

Crews

Weather fog, overcast

6: DAE (~~[illegible]~~) 14 [illegible] left @ [illegible], [illegible] [illegible]

6: Electron - John, Sean Mc, Brad, Andy, Thomas (6:30)

6: JNyCO - Sean M, Nathan, Taylor, Donie Jerry (6:30)

Electron Trailers (~~[illegible]~~) (15)

8:00 Sutter Lowe (3)

8:00 Kiethgeler (1)

Activities

warm - Safety Meeting w/ all crews meant to be 6, started when thom showed up @ 6:30am

- DAE working on rebar cages for DS retaining wall

- Sutter construction building forms for stairs from upper landing to Dam Sheets

- Keithly wiring & testing Batch plant

- rolling turf, fabric & laying liner US of coffer dam &

- thank on very dark!

EH-USA039193

EH0030141

July 23rd 2000 To-Do

- Well for Dewatering
- ~~[illegible] exchange to Amby~~
- ~~diesel cans - williams oil filter service~~ order from Grainger for 7/24
- ~~chargers for radios~~
- ~~swap rigs for single cab truck~~
- ~~1" air compressor [illegible]~~ ? Makita ordered @ Manor
- ~~turbidity measure~~ US 3.6 DS 3.5
- filters ~~[illegible] (2)~~ ~~[illegible] (2)~~ (1)
- ~~[illegible] (4)~~ cases
- ~~[illegible]~~
- ~~5/8 drill bits (10)~~
- ~~tape (10)~~ (5)
- ~~[illegible], black chalk~~
- ~~1 lb duplex 3 kegs 15 lbs of filter~~
- Piping bolts 1/2" & 3/4" 6" length & 8"
- ~~box 2" [illegible] wall course~~
- ~~Pipe wrench [illegible]~~ ~~[illegible]~~
- Valves? 6

(50) - 1/2" [illegible] couplers [illegible] Manor Hardware 3/8 barb hose

- Williams (36) (8) - williams

~~[illegible] 4'x10'x1/4" (3)~~ [illegible] - Timco (14)

- ~~[illegible] clean [illegible] 2 [illegible]~~ 28 left

- ~~filter [illegible]~~ backorder ~3 days

- ~~3/8" [illegible]~~ 12 left 8/3/2000

- ~~[illegible] grips~~
- ~~players~~
- ~~[illegible]~~
- ~~[illegible]~~
- ~~[illegible] 1"~~

PAHE
Pipe
teeth

EH-USA039194
EH0030142

July 23
Start End

Weather Warm Overcast Arw Sun
Secch DS 9, US 4

Crews

6:00 - 4pm DAE - [illegible]
Electron - John, Sam
Nylco - Nathaniel, Daniel, Jean M, Ide M
- Corliss (2)
- Layfield (3) Keithly Elec - (1)
- PAPE Machinery (1) [illegible]

Activities

warm
- DAE - working on rebar [illegible] & pvc pipe prep work
- Electron - wards' crew US laying felt
- Excavators (Sean Mc, John T, Bad)

- Corliss - out to test mix on batch plant
- Electron working w/ Layfield to finish plastic lining for fish ladder
PAPE - Tech to service 470
Arw - Layfield cont'd to weld liner, electron cont'd to lay felt & stage liner.
Operators: set US ditch boxes & back filled fish ladder bank.
- Corliss brought two totes of additives for batch plant to also work on parts list & plan for getting batch plant finalized.

EH-USA039195
EH0030143

July 24th 2020

Start 6 End 4

Crews

DAE (12) includes Dale

Lorenz's A's Crew : ward trades

Operators - John, Shawn, Brad

J Nybo Crew - Dance, Coles Sears Nathan, Taylor

Layfield (3)

Corliss (3)

weather morn overcast

Aftno overcast

Activities

Electrons laying last liner strip for US of coffer dam. John & Sean run excavators for US ditch of coffer liner

Layfield cont'd on welds & finished fish ladder DS liner

Corliss w/ Jerry Crew worked on Bartels plant testing *.

DAE crew met w/ Tim to review plans

welding armors for RW all abutment

Prepping PVC for embedds

tying rebar lage

July 25th To-Do

- ~~order bigger 1/4" push pull cables~~
- bar grating?
- Sledge 5-8 lbs
- 4 lbs 5-5 17 25

Fuel filter 3/66

- 1 mile 4x6x20'
- need more impacts 2-4-5
- chains 4-chains & drills
  - see pic

Valley tree - Pumping / [illegible]
motor repair by UW truck

- Bar oil - ~ 1 gal
- mix oil - package of mix in 2 1/2 gal filters 6 packs
- note 4 3/4" drills or 1 1/2
- push pull cables 1/4"
- grease & filter twos

EH-USA039197
EH0030145

July 25th

6

Crews

DAE (3)

J Nybo Jerry, Shawn, Cole, Taylor, Dave

Electron - Ward (+ 5)

Operators - Brad, John, Sean McC

Layfield (3)

water clouds

Sunny

turbidity US 3.5

DS 3.5

Activities

- DAE - more material down by river finish up welds for arrow of R wall abutment. Dave helped work on Batch plant to test & finish the operations & hopper for rocks w/ J Nybo crew

Nybo crew topped off fuel & greased equipment on site.

- Operators in river excavating US & by fish ladder in prep for water diversion to cofferdam

- Layfield continued on welding plastic liner in fish ladder DS & US while ward's crew finished laying liner & redid US L wall per Thom/Jerry requests & built wood angle wall to complete L wall of cofferdam on spillway. worked half day.

- DAE Also moved 4' pipe to prep for layout

- welding crews 6 pm → 6 am

July 26th

Crews

weather clear
Sunny

6:10 : 6 pm Elverton - Seam Mc, Sole T

SWyo - Dave 6:00, Seam M 6:20 Taylor 6:20 Diesel tank 60"/48"
Jerry 7:30

6:30 Layfield (3) = ~ 3,000 gal

Activities

Operators - checked oil, fuel levels Ex 750 Hitachi,
↳ in river prepping US rock working for diversion
Site clean up on Cofferdam.

• during the night spillway was closed, ~~pass~~ for some reason
undetermined, causing water to rise + wash cofferdam
work area tools, sand causing mess ~ 1100 a.m.
Thankfully welding night crew spotted wash out.

EH-USA039199
EH0030147

July 27th

Crews

weather: clear

6: DAE - 10

Turbidity US 3.5 DS 3.5

6: Electron - wards -

6: - operators (3) Broad sent to Basin to excavate gravel

Fuel ~3000;

5 Nybo - Jeremy Sennett, Cole, Nelson, Dowler, Taylor

↳ new hire Brian (truck driver)

Activities

- Meeting [Thomas Jerry, Corey A, Corey K] 6:30
  - Cutting bank US for diversion John & Sam
- E wards crew cleaned up liner & were done by lunch time
- Layfield left by 1pm when liner was done
- Nybo crew left by 3pm
- DAE left @ 4pm

July 27th To Do

PAPE teeth - wait for order updates delivery ETA?

~~- Sutton trucking 3 loads deliver @ 11 am any day this week~~

~~- grease tubes - use ~ 1-2 uses / per 2 days ~ 1:1 rate~~

- tie wire ?

- ~~1/2-13 x 5~~ Hex Bolt → 1/2-13 x 4 1/2" & 7" ordered Valley

- Harbor freight lights for Baton Plant Lanex

- sledge hammers 5-8 lbs

~~- filter 551725~~

~~- marine grease cases~~

- Titan Bolts 1/2 & 3/4" 6" & 8" will call

- need more male quick couplers 1/2"

- ~~UHMW ordered~~

- ~~[illegible]~~

July 28th To DO

- Grove Crane Cable - Call Michael @ Maxim Lanes 206-682-6651

- RT528C

Instrument sales & Service

- ~~[illegible]~~

- ~~get Titan Bolts @ Simpson in Kent~~ (1)

- ~~grease @ Eastern Ville + filter~~ (4)

~~- follow up on Cement 9:30~~

- Gray lumber delivery weds

- UHMW delivery today from Cabel, [illegible] 1/4" → 1/4"

- ~~Hot Saw Blades (1) Manor Hardware [illegible] (2)~~

- Silver Sharpies, Pencils, Home depot (3)

- Pembula - Wednesday delivery

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EH0030149

weather sunny

July 28th 2020

Update: last night Jerry called Nybo crew back w/ operators to cut open bank for river to be diverted in coffer dam. Finished start 6pm finish 11:30pm.

spot		Crews
6	4 6	DAE 10
7		Nybo
7		Operators (3) - in river
7	4	Elegan (3) - working to finish control house convex
10	4	Sutton (3)

Activities

Nybo - in river

building up US bankwork

Deliveries

UHMW - delivery tomorrow

Cement - delivered

- DAE - working on 4' sluice pipe welds & bend

Bus left @ 4; (3) DAE (2) welders & Dale stayed Finish @ 6:15pm

- Wards crew (3) - finishing control house convex insulation

- Sutton - placing stair forms

- Carry crew / Hunn on flume ⇒ Basin netting fish

- Nybo crew cont'd in river w/ dump trucks hauling excess material & the spillway on LS up to dump area in upper landing.

- 3 haul trucks 1 ex in river 1 upper landing 1 dozer

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EH0030150

July 28 To-Do Cont'd

1 - Call ~~[illegible]~~ NW & Western Wire Rope

2 - third Camera gate

12 V 12 gal → 30-50 gal

for Diesel

- 25 gpm 12 V 1/3 HP Transfer pump grainger

$ 868 Continuous Duty Cycle

inlet 1-1/4 FNPT outlet 1" FNPT

~~using Serry's w/ generator~~

- Hydraulic pump for rock conveyor not pumping enough.

~15 gpm gal 20 gpm.

* How do Hydraulic pump work?

1) Electric Variable Frequency Drive w/ motor

2)

- MAPE grant Derrick Fischer - grout the fill

PVC pipe holes

- Nathaniel - CAT motor add on Hydraulic pump

EH-USA039203

EH0030151

July 21st 2020 weather Clear

a Crews Sunny

b 4 DAE - Dale + (9)

b 5? Nybo - Jerry, Sean M, Cole, Dominic, Taylor, Matthew, Brian

Electron - Sean M, John T, Brad, Josh, Jesse

Scott Simmons

Kevin Logger - working on dozer cleaning up work areas

Activities Deliveries

Nybo crew - in river cont' - Gray lumber ✓

demo of LS of spillway - Uhlmann Carbell ✓

& US embankment of coffer dam

w/ two excavators & 3 haul trucks

Blum

DAE - working rebar cages

Sluice pipe prep & welding 4' pipe, demo intake metal frame

Scott - working on Ex Hitachi 750

- removed spillway from Dam

Equip rentals in use

all except Manitowoc

same for 28th

July 21 To Do

Home Depot
- ~~(2) Milwaukee grease guns~~ - return for IBU
- 3" pump honda engine trash
- ~~Zoom quotes~~
- ~~return grease guns~~
- Cessco 926th 5th Ave South
~~[illegible]~~ Kent, WA 98032
↳ rebar cutter
- ~~PO for rebar cutter~~
- ~~sign off from Thom based on 3" trash pump~~
quotes
- ~~IBU grease guns from NAPA~~ 7/30 (tomorrow)
- Amsoil grease Friday
- Atlas Construction Supply - S'tt'n flex urethane epoxy
- 1-1/2" ~ 6" small polyurethane possibly
- 20' I beams for void forms
- Hot gum
- Def using ~4-5/day diesel Exhaust Fluid John Deer
↳ need another pallets worth. ordered from PAPE
- Trash pump
100' pickup
200' discharge w/ Backer
- Call Evergreen Cutting - 253-826-7644
- 60 cuft w/ 10' face cut
90' cut at base of wall along top of footing
(1) ~~PAPE - fuel cap~~
(2) - ~~Ferguson [illegible] valve box~~
(3) ~~[illegible] Pacific [illegible]~~ Ben @ NAPA 11-11:30
Shoe Pine - [illegible] - vs Alaskan Lapper

July 30th

Weather Clear
Sunny

Crews

6 DAE (1)
6 Electron (3) operators (2) welders
6 Nybo Jerry, Dennis, Sean M, Chris M, Taylor, Nathaniel, Brian

Activities

Sluice pipe prep layout & welding

Demo of spillway & excavating & shaping
US bankment for cofferdam.

Note: appears liner tore on cofferdam

Campsite work - Sean M

July 31st

weather - Same

6 4 DAE Same Dale + operators & Nybo crew
6 12 Elec Same worked till midnight due to
6 - 12 Nybo Same excavator getting stuck in dig site

Activities

Same

· Eric, Dale, CK took measurements for elevations
· ~~Bl~~ liner DS Ripped more
- Ridan crew worked to connect power & lows up to Chalet, thaws Connex's, & Camp sites
- Tear in liner more prominent looks like liner ripped exposing under layment

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EH0030154

July 31 TO - DO

~~Send piping [illegible] too~~

~~Jack Parent~~

email

jparent@Athousandhills.net

- write up dailies
- PO cleanups
- Drew Jared site visit - Aug 6th (thurs) 8 - 10 AM
- Follow up on rebar shear wheelbarts,
- Napa amsoil grease
- get [illegible] PO [illegible] [illegible] w/ them

- Call Evergreen Cutting

- 20 Amp or 40 amp Auto [illegible] fuses
Asset [illegible]

(2)

Hero CAT HAUL truck (2) [illegible]
Hood lift cylinder

- (1) Fence [illegible] [illegible] 8' x 5' [illegible] needs [illegible] no one has
- [illegible] [illegible] & drilling [illegible]
  ↳ need (50) pieces of 10' [illegible] pipe, 6" x 8" 1/4" [illegible] & cash only
- (1) 2x12" x 20' [illegible] from Speaker
- [illegible]
- [illegible] blades [illegible]

EH-USA039207
EH0030155