Engineering Department Progress Report on Construction Jobs,
1922

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PROGRESS REPORT ON CONSTRUCTION JOBS.

Dec. 30, 1922

JOB 1047 BOILER FEED PUMPS:

Under Pinning of Boiler House Wall at site of Boiler Feed Pump Installation about 70% completed. Excavation completed preparatory to extending Boiler Feed Pump Pit for temporary installation of Terry Boiler Feeder to replace De Laval Pump which broke down Tuesday Dec. 26th.

JOB 1064 DIGESTERS:

Mezzanine Floor around #5 Digester concreted. Lining placed in #5 Digester up to top of third course of cylindrical section to-night.

JOB 1068 HEAD GATES AND GATE HOUSE:

Moving derrick preparatory to installation of No. 1 and No. 2 Head Gates and making minor repairs on hoisting engine.

Signed

[Signature]
JOB 1047 BOILER FEED PUMPS:
Old Economizer removed. Concrete poured under about 50% of Boiler House Wall at site of Boiler Feed Pump Installation.

JOB 1064 DIGESTERS:
Forms ready for concrete on Mezzanine Floor around No. 5 Digester. About 45% of lining placed in No. 5 Digester. Placing of lining delayed on account of masons being used to repair lining in No. 4 Digester.

JOB 1068 HEAD GATES AND GATE HOUSE:
No. 3 Head Gate ready for operation. Moving derrick preparatory to installing No. 1 and No. 2 Gates.

Signed

[Signature]
PROGRESS REPORT ON CONSTRUCTION JOBS. December 16, 1922

JOB 1047 BOILER FEED PUMPS:

Old Economizer about 30% removed.
Concrete poured under six-foot section of Boiler House Wall at site of Boiler Feed Pump Installation.

JOB 1064 DIGESTERS:

Second Floor concreted around #5 Digester.
Lining placed up to middle of first course of cylindrical section.
Structural Steel erected and riveted and forms being placed for Mezzanine Floor.

JOB 1068 HEAD GATES AND GATE HOUSE:

Steel Gate and Structural Steel in place for Gate No. 3.
Flooded crib yesterday.
Hoisting mechanism being erected.

JOB 1074 LOG SLUICE:

Three earloads of Steel Sluice (30%) received and distributed.
Foundation piers concreted as far as possible before steel work is received and erected.

Signed

[Signature]
PROGRESS REPORT ON CONSTRUCTION JOBS. December 9, 1922

JOB 1047 BOILER FEED PUMPS:

Tearing down Old Economizer.
Excavating for under-pinning Boiler House wall at site of Boiler Feed Pump Installation.

JOB 1064 DIGESTERS:

No. 5 Digester completed and tested December 6th.
Started lining December 8th.
Third floor concreted around this Digester, forms being placed for second floor and structural steel being erected for first floor.

JOB 1068 HEAD GATES AND GATE HOUSE:

No. 3 Gate guides erected and new steel gate lowered into place.
Concrete being cut and drilled for erection of structural steel and gate hoisting mechanism.

JOB 1074 STEEL LOG SLUICE:

All piers concreted except those which are to be poured after sluice is erected and upper part of old sluice cut away.
Steel Sections received for about 30% of sluice. (3 car loads)

Signed [Signature]
PROGRESS REPORT ON CONSTRUCTION JOBS.  

December 2, 1922

JOB 1064 DIGESTERS:

Caulking #5 Digester is about 80% complete. Caulking and completion of this Digester has been considerably delayed by the Welder. Building Column between Digesters #4 and #5 has been lengthened to floor level and old brick foundation removed.

JOB 1068 HEAD GATES AND GATE HOUSE:

Concrete seal for #3 crib placed Tuesday November 28th. Will drain this crib through the Penstock Sunday December 3rd.

JOB 1074 STEEL LOG SLUICE:

About 60% of Piers concreted. The Portland Company reports two cars of Steel shipped Wednesday, November 29th.

Signed

[Signature]
PROGRESS REPORT ON CONSTRUCTION JOBS.  November 25, 1922

JOB 1064 DIGESTERS:

Caulking No. 5 Digester is about 50% complete.
Expect Portland Company to complete this Digester ready
for test December 1st.

JOB 1068 HEAD GATES AND GATE HOUSE:

The barks have been dredged away from in front of No. 3
Gate and the crib set in place.

JOB 1074 STEEL LOG SLUICE:

Excavation for piers is about 85% complete.
About 50% of the piers have been concreted.
Reynolds reports car ordered for first shipment of steel
from Portland.

Signed ___
PROGRESS REPORT ON CONSTRUCTION JOBS. Nov. 18, 1922

JOB 1064 DIGESTERS:

The top cone and nozzle have been riveted complete and the seams are being caulked.

JOB 1068 HEAD GATES AND GATE HOUSE:

The walls of the present section of the Gate House have received one coat of plaster. No. 4 Penstock has been cleaned and painted. Preparations are being made to shut down No. 3 Grinder line in readiness for the installation of No. 3 Gate and No. 4 Grinder line will be operated to-morrow.

JOB 1074 STEEL LOG SLUICE:

Excavation for piers is about 75% complete. About 20% of the piers have been concreted.

Signed

[Signature]

FORM 2A
PROGRESS REPORT ON CONSTRUCTION JOBS

Nov. 11, 1922

JOB 1064 DIGESTERS:

Fourth course of cylindrical section riveted and top cone and top nozzle erected.

JOB 1068 HEAD GATES AND GATE HOUSE:

Roof slab completed on section of house erected.
Plastering walls of Gate House.
Structural Steel erected and bolted in front of Gate #4.
To flood crib to-day.

JOB 1074 STEEL LOG SLUICE:

Footings concreted for about 30% of piers.
Forms being placed for pier tops.

Signed

[Signature]
PROGRESS REPORT ON CONSTRUCTION JOBS. Nov. 4, 1922

JOB 1064 DIGESTERS:

Third course of cylindrical section has been riveted and fourth course has been erected and bolted up ready for riveting.

JOB 1068 HEAD GATES AND GATE HOUSE:

Gate guides and gate placed for #4 Penstock.
Roof Slab for Gate House has been poured on 90% of the section now erected.
Preparing bottom to receive steel work.

JOB 1072 NO. 2 PULP WOOD STORAGE CONVEYOR:

Excavating rock at west end of Log Pond Extension.

JOB 1074 STEEL LOG SLUICE:

Excavating for piers and concreting footings.

Signed

[Signature]
PROGRESS REPORT ON CONSTRUCTION JOBS. Oct. 28, 1922

JOB 1064 DIGESTERS:
Second course of cylindrical section riveted except for one hour’s work.
To start erection of third course of cylindrical section to-day.

JOB 1068 HEAD GATES AND GATE HOUSE:
Crib in place and sealed.
Forms for roof slab 95% completed and reinforcing placed.

JOB 1072 NO. 2 PULP WOOD STORAGE CONVEYOR:
Completed and in operation.
Excavating rock at west end of Log Pond Extension.

JOB 1074 STEEL LOG SLUICE:
Excavating for piers.

Signed: [Signature]

FORM 2A
PROGRESS REPORT ON CONSTRUCTION JOBS.  

October 21, 1922

JOB 1064 DIGESTERS:

Connections to supporting columns riveted and bottom cone being caulked.
First course of cylindrical section riveted.

JOB 1066 HEAD GATES AND GATE HOUSE:

Guides for receiving crib in place.
Bottom cleaned in front of trash racks and sections of racks removed to receive crib which is being built.

JOB 1072 NO. 2 PULP WOOD STORAGE CONVEYOR:

Starting up Conveyor.
Excavating rock at west end of Log Pond Extension.
30" Tile Sewer completed.

Signed [Signature]
PROGRESS REPORT ON CONSTRUCTION JOBS. Oct. 14, 1922.

JOB 1064 - DIGESTERS:

Bottom cone riveted except connections to supporting columns.
First course of cylindrical section erected today.
To grout column bases tomorrow.

JOB 1068 - HEAD GATES AND GATE HOUSE:

Hy-rib being placed for walls of Gate House and forms being placed for roof slab. Temporary screens for #4 Gate installation to be placed tomorrow.

JOB 1072 - NO. 2 PULP WOOD STORAGE CONVEYOR:

Concrete wall around Tower "A" completed.
Motor, main gear and cable wheels in drive house practically installed.
Main cable being drawn into place.
30" Tile Sewer laid and back-filled as far as railroad tracks near conveyor.

Signed:
PROGRESS REPORT ON CONSTRUCTION JOBS. Oct. 7, 1922.

JOB 1064 DIGESTERS:

Bottom nozzle #5 Digester riveted. Bottom cone about 30% riveted.

JOB 1068 HEAD GATES AND GATE HOUSE:

Structural Steel for house over #5, #6 and #7 Gates about 75% riveted. Forms being built and put in place for roof slab.

JOB 1072 NO. 2 PULP WOOD STORAGE CONVEYOR:

Concrete wall around Tower "A" about 90% concreted. Section of Log Sluice over connection to New Log Pond completed. Steel Chute to connect Log Sluice to New Conveyor erected and practically all riveted. Floor in Drive House concreted. Cable Wheels at top of Towers "A" and "B" in place. 30" Tile Sewer about 50% laid.

Signed: [Signature]
PROGRESS REPORT ON CONSTRUCTION JOBS. Sept. 23, 1922

JOB 1064 DIGESTERS:

Material for upper part of No. 5 Digester moved into building and placed on upper floors. To start erection Monday Sept. 25th.

JOB 1065 #5, #6, #7 AND #8 BOILERS:

No. 5 and No. 6 Boilers are now delivering steam to the main line.
Mr. J. K. Mallison, Green Fuel Economizer Co.'s erector, arrived Monday Sept. 18th and is installing Draft Fans.

JOB 1068 HEAD GATES AND GATE HOUSE:

Footing for House Foundation concreted and Foundation Wall about 50% concreted.
Structural Steel erected over #5, #6 and #7 Gates and is being riveted.

JOB 1072 NO. 2 PULP WOOD STORAGE CONVEYOR:

Concrete Walls around Towers "B, C and D" completed.
Forms stripped from walls and roof of Drive House.
Inclined Trough completed.
Steel Plates being placed in tunnel.

Signed

Y. C. Bowler
PROGRESS REPORT ON CONSTRUCTION JOBS. Sept. 16, 1922

JOB 1051 WATER WHEELS AND GENERATORS:

Mill load now divided between the two new Generators.

JOB 1064 DIGESTERS:

Foundations for No. 5 Digester completed and floor concreted.
Mr. Silke, erector for the Portland Company, arrived Wednesday September 13th and is unloading No. 5 Digester.

JOB 1065 #5, #6, #7 AND #8 BOILERS:

Boiler Settings completed except for front wall of No. 8 Boiler which is finished to elevation of Babcock & Wilcox special blocks which were used to repair No. 2 Boiler Front and could not be replaced in time for Contractor to fully complete No. 8 Setting.
No. 8 Setting should be completed by two masons in four hours from receipt of these special blocks.
Expect #5 and #6 Boilers to go on the line early next week.

JOB 1068 HEAD GATES AND GATE HOUSE:

Footings for House Foundation about 50% concreted.
Forms for Foundation Wall about 50% in place and 25% concreted.

JOB 1072 NO. 2 PULP WOOD STORAGE CONVEYOR:

Concrete protection for Tower "B" complete except for fire stops.
Concrete wall around Tower "C" about 75% completed.
Concrete wall around Tower "D" practically complete.
Wall and Roof of Drive House concreted.
Grading to tunnel in progress.
Conveyor trough up incline now building.

Signed
[Signature]
PROGRESS REPORT ON CONSTRUCTION JOBS. Sept. 9, 1922

JOB 1051 WATER WHEELS AND GENERATORS:

No. 2 Generator being run at no load. Temporary installation entirely removed from Grinder Room.

JOB 1064 DIGESTERS:

Foundations for No. 5 Digester to be completed to-day.

JOB 1065 #5, #6, #7 AND #8 BOILERS:

Slow fires in No. 5 and No. 6 Boilers. Settings for No. 7 and No. 8 Boilers about 85% complete. Johns-Manville crew started pipe covering Sept. 6th.

JOB 1072 NO. 2 PULP WOOD STORAGE CONVEYOR:

Concreting walls of drive house. Concrete wall around Tower "B" practically completed. Concrete wall around Tower "C" about 50% completed and forms about 50% completed for wall around Tower "D".

Signed

[Signature]
PROGRESS REPORT ON CONSTRUCTION JOBS. Sept. 2, 1922

JOB 1051 WATER WHEELS AND GENERATORS:

Relief Valve to No. 8 Water Wheel grouted in and Wheel is practically ready to run.

JOB 1064 DIGESTERS:

Steel Shell of Digester No. 5 and supporting steel removed August 31st.
Started excavation for foundations September 1st.

JOB 1065 #5, #6, #7 AND #8 BOILERS:

Settings for #7 and #8 Boilers about 60% complete.

JOB 1072 NO. 2 PULP WOOD STORAGE CONVEYOR:

All structural steel for Towers and incline erected and riveted.
Forms practically ready for pouring walls of drive house.
Concrete wall around Tower "B" Steel Tower about 60% completed.
Concrete Wall around Tower "C" about 25% completed.

Signed

[Signature]

FORM 2A
PROGRESS REPORT ON CONSTRUCTION JOBS. August 26, 1922

JOB 1051 WATER WHEELS AND GENERATORS:

Joints made up for connection of Relief Valve to No. 8 Water Wheel.
Discharge pipe to Relief Valve to be anchored and forms to be put in place preparatory to grouting in Relief Valve tomorrow during shut-down.
Generator lined up and base grouted in.

JOB 1064 DIGESTERS:

Finished removing lining of No. 5 Digester Friday, August 25th.
To start cutting down steel shell today with Oxy-Acetylene torch.

JOB 1065 #5, #6, #7 AND #8 BOILERS:

Settings for #7 and #8 Boilers about 40% complete.

JOB 1072 NO. 2 PULP WOOD STORAGE CONVEYOR:

Structural Steel for Towers B, C, D, E and F and girders on East end of conveyor riveted.
Tower A being riveted.
Drive House Foundation and Piers concreted.
Forms for Drive House walls partly in place.
Concrete wall around Tower B steel tower placed to height of about 25 feet.
Forms practically completed for first pour of wall around steel Tower C.

Signed [Signature]
PROGRESS REPORT ON CONSTRUCTION JOBS.

August 19, 1922

JOB 1051 WATER WHEELS AND GENERATORS:

Governor for #8 Water Wheel set on its foundation and being lined up with Wheel.
Relief Valve for #8 Wheel being installed.
Base, Pedestals and Rotor of #7 Generator in place.

JOB 1064 DIGESTERS:

Lining of #5 Digester about 65% removed.

JOB 1065 #5, #6, #7 and #8 BOILERS:

Sil-O-Cel Brick being laid on top of drums of #5 and #6 Boilers.
Middle and Bridge Walls for #7 and #8 Boilers laid up to top of Bernitz System.

JOB 1072 NO. 2 PULP WOOD STORAGE CONVEYOR:

Tunnel about 70% concreted.
Structural steel for Tower "A" about 60% erected.
Towers B, C, D and E about 70% riveted.
Excavating Log Pond.
Forms practically completed for piers and house foundation at site of Drive House.

Signed

[Signature]
PROGRESS REPORT ON CONSTRUCTION JOBS.  August 12, 1922

JOB 1051 WATER WHEELS AND GENERATORS:

Relief Valve and Generator Base have been moved to Generator Room and are being put in place.
Rotor of Generator has been moved from Grinder Room.

JOB #5, #6, #7 and #8 BOILERS:

Settings for #5 and #6 Boilers about 90% completed.
Settings for #7 and #8 Boilers started.

JOB 1072 NO. 2 PULP WOOD STORAGE CONVEYOR:

Tower "A" Foundation completed to top of tunnel.
Tunnel about 50% concreted.
Structural Steel for Towers "B, C, D and E" erected
and girders in place between Towers "B and C".
Excavating Log Pond.

JOB 1064 DIGESTERS:

Started removing lining of No. 5 Digester Monday
August 7th.

Signed

[Signature]
PROGRESS REPORT ON CONSTRUCTION JOBS. August 5, 1922

JOB 1051 WATER WHEELS AND GENERATORS:
Dismantling and removing Relief Valve and Generator from No. 6 Grinder Line and moving same to Generator Room.

JOB 1065 #5, #6, #7 and #8 BOILERS:
Engine set for driving Stokers and being piped up.
Settings for #5 and #6 boilers about 70% completed.
Smoke flue completed Monday July 31st.

JOB 1072 NO. 2 PULP WOOD STORAGE CONVEYOR:
Tunnel concreted between Towers "B and C" and "C and D".
Tower "E" Foundation completed.
Structural Steel for Tower "E" erected and riveted.
Concreting footing for Tower "A" Foundation.
Excavation completed at site of Drive House and footings concreted.
Excavating Log Pond.

Signed [Signature]
JOB 1065 #5, #6, #7 AND #8 BOILERS:

Engines being set for driving Stokers.
Bennett System installed in settings for #5 and #6 Boilers.
Bridge Wall for #5 Boiler completed and for #6 laid up to bottom of Inspection Doors.
Middle Wall of battery completed above relieving arch.
Front Walls being carried along with Middle Wall and side Walls started.
To complete Smoke Flue Monday.

JOB 1072 NO. 2 PULP WOOD STORAGE CONVEYOR:

Tower "D" Foundation complete and forms in place for completion of Tower "E" Foundation.
Tunnel concreted to elevation of bottom of trough 150 feet West of Tower "B" and between Towers "B and C" and forms are in place for final pour of these sections of tunnel.
Structural Steel for Tower "B" erected and ready to rivet.
Excavating Log Pond and for Foundations at site of Drive House.

Signed

[Signature]
PROGRESS REPORT ON CONSTRUCTION JOBS.  

July 22, 1922

JOB 1065 #5, #6, #7 AND #8 BOILERS:

Driving shafts being installed on Stokers.
Bemitz System installed in Bridge Wall of #5 Boiler and Middle Wall of this battery.
Bridge Wall complete for #5 Boiler to bottom of inspection doors.
Smoke Flue erected and riveting to be started to-day.

JOB 1072 NO. 2 PULP WOOD STORAGE CONVEYOR:

Foundations for Towers "B" and "C" completed.
Foundation for Tower "D" complete to top of Tunnel to-day.
Founding for Tower "E" foundation concreted yesterday.
Excavating Log Pond.
One carload of Tower Steel received and erection to start to-day on Tower "B" foundation.

Signed

[Signature]
PROGRESS REPORT ON CONSTRUCTION JOBS. 

JOB 1065 #5, #6, #7 and #8 BOILERS:

Heavy Parts for #7 and #8 Stokers in place and lined up. Dumps in place and Tuyeres Boxes being placed on grate. Mr. Marshall, Bricklayer Foreman for The Frank E. Ross Company arrived Thursday July 15th and is making preparations for laying setting for #5 and #6 Boilers. Smoke Flue about 60% erected.

JOB 1072 NO. 2 PULP WOOD STORAGE CONVEYOR:


Signed

[Signature]
PROGRESS REPORT ON CONSTRUCTION JOBS.

July 8, 1922

JOB 1065 #5, #6, #7 and #8 BOILERS:

New Boilers inspected and passed July 6th.
No. 5 and No. 6 Stokers practically complete except operating mechanism for dump, installation of engine and driving shaft.
One Carload of parts for No. 7 and No. 8 Stokers received.

JOB 1072 NO. 2 PULP WOOD STORAGE CONVEYOR:

Footings concreted for Tower B and C Foundations.
Forms practically completed for Tower B Foundation.
Excavating Log Pond Extension and Tower D Foundation.

Signed

[Signature]
PROGRESS REPORT ON CONSTRUCTION JOBS: July 1, 1922.

JOB 1051 WATER WHEELS AND GENERATOR ROOM:-

Mill load transferred to No. 1 Generator Sunday, June 25th.

JOB 1065 #5, #6, #7 and #8 BOILERS:-

Tuyere Boxes, Dumps and Fronts in place for #5 and #6 Stokers.

JOB 1068 PENSTOCK GATES AND GATE HOUSE:-

Second Gate received and unloaded. Two cars structural steel received.

JOB 1072 NO. 2 PULP WOOD STORAGE CONVEYOR:-

Setting anchor bolts for Tower B and making preparations for concreting footing for this foundation. Started excavation of log pond extension yesterday.

Signed: - [Signature]
JOB 1051  WATER WHEELS AND GENERATOR ROOM:
   No. 1 Generator being dried out.

JOB 1065  #5, #6, #7 and #8 BOILERS:
   Turner Baffle Walls for four Boilers completed yesterday.
   Heavy parts for #5 and #6 Stokers in place and lined up.

JOB 1068  PENSTOCK GATES AND GATE HOUSE:
   Erecting stiff leg derrick.
   Trash Racks and 1st gate have been received and unloaded.

JOB 1072  NO. 2 PULP WOOD STORAGE CONVEYOR:
   Derrick being erected at site of Log Pond Extension.

Signed
   [Signature]
PROGRESS REPORT ON CONSTRUCTION JOBS.  

June 17, 1922

JOB 1051 WATER WHEELS AND GENERATOR ROOM:

No. 7 Water Wheel started yesterday with Generator at no load.

JOB 1065 #5, #6, #7 AND #8 BOILERS:

Stokers for #5 and #6 Boilers received Tuesday June 13th and Erector arrived Thursday morning June 15th.
No. 5 Stoker being erected.

JOB 1068 PENSTOCK GATES AND GATE HOUSE:

Engine and derrick being moved into position for work on new Head Gates.

JOB 1072 NO. 2 PULP WOOD STORAGE CONVEYOR:

Excavating for Main Towers and Tunnel.
Derrick being erected preparatory to excavation of Log Pond Extension.

Signed

[Signature]
PROGRESS REPORT ON CONSTRUCTION JOBS. 

June 10, 1922

JOB 1051 WATER WHEELS AND GENERATOR ROOMS:
All heavy construction work completed.

JOB 1065 #5, #6, #7 and #8 BOILERS:
First Turner Baffle Wall for No. 6 Boiler complete.
Bridge Wall panel and inspection doors erected for all four Boilers.
Stokers for #5 and #6 Boilers shipped Saturday June 3rd.
Platforms and Gratings and Railings now being erected.

JOB 1072 NO. 2 PULP WOOD STORAGE CONVEYOR:
Excavation (by Hand) started on two main towers.
Old No. 2 trestle removed.
Traveller Erected.

Signed

JOB 2005 DREDGING TAILRACE LOWER MILL completed and equipment returned to Millinocket.
JOB 1051 WATER WHEELS AND GENERATOR ROOM:
Tail Race #7 flooded and gate removed.

JOB 1056 PENSTOCK HEAD GATES:
Connection between #6 and #7 Gates completed Sunday May 28th.

JOB 1065 #5, #6, #7, and #8 BOILERS:
Turner Baffle Wall for #5 Boiler complete to-night.
Shipment of Coal Spouts and Air Ducts received and unloaded.

JOB 1072 NO. 2 PULP WOOD STORAGE CONVEYOR:
Traveler being erected preparatory to excavation of tower footings.

Signed

F. S. B.

By D. E. A.
PROGRESS REPORT ON CONSTRUCTION JOBS. May 27, 1922

JOB 1051 WATER WHEELS AND GENERATOR ROOM:

Platform for Switchboard Extension completed.
Construction work on this Job practically completed.
Power Cables being put in place and connected.

JOB 1065 #5, #6, #7 and #8 BOILERS:

Tubes for all new Boilers expanded.
Structural Steel for Platforms and Stairways erected as far as can be done without interference to work on Boiler Settings.
The Turner Raffle Wall Erection Crew has arrived and is to start erection today.

Signed

[Signature]
PROGRESS REPORT ON CONSTRUCTION JOBS. May 20, 1922

JOB 1051 WATER WHEELS AND GENERATOR ROOM:

All work practically completed on Water Wheels. Structural Steel for Switchboard Extension erected and riveted and forms being built.

JOB 1064 DIGESTERS:

Floors concreted around Digestor #6. Lining in #6 Digestor about 45% in place.

JOB 1065 #5, #6, #7 and #8 BOILERS:

Tubes for #7 and #8 Boilers being expanded. Structural Steel for platforms and stairways being erected. Steam Piping being erected.

Signed

[Signature]
PROGRESS REPORT ON CONSTRUCTION JOBS.  

May 13, 1922

JOB 1051 WATER WHEELS AND GENERATOR ROOM:

All concrete completed around Wheel #8.  
Penstock connections completed.  
Copper practically erected in wire tunnel.

JOB 1064 DIGESTERS:

Lining in No. 6 Digester about 30% in place.  
Structural Steel for mezzanine floor around No. 6 Digester erected and riveted and forms being placed for floor around this Digester.

JOB 1065 #5, #6, #7 and #8 BOILERS:

Tubes for #5 and #6 Boilers are expanded.  
Floor changes around new Boilers completed.  
Structural Steel for platforms and stairways is shipped.

Signed

[Signature]

FORM 2A
JOB 1051 WATER WHEELS AND GENERATOR ROOM:

No. 7 Water Wheel practically ready for operation.
Bottom casing and draft tubes for No. 8 Water Wheel grouted.
Connecting ring between Penstock and No. 8 Water Wheel being made up.
Copper about 75% erected in Wire Tunnel.

JOB 1064 DIGESTERS:

No. 6 Digester completed and tested May 4th.
Started placing lining yesterday May 5th.

JOB 1065 #5, #6, #7 and #8 BOILERS:

Tubes for #5 and #6 Boilers being expanded.
Floor changes between #6 and #7 Boilers completed.
Forms being placed for floor changes at #5 Boiler.
One carload of piping received and unloaded.

Signed
JOB 1051 WATER WHEELS AND GENERATOR ROOM:

Draft bends and tubes in place for No. 8 Water Wheel.
Rotor for first Generator in place.
Copper practically erected in North side of Wire Tunnel.
Penstock completed except for ring at No. 8 Wheel which will be erected when this Wheel is grouted in.
Ventilating Stack for Wire Tunnel completed.

JOB 1064 DIGESTERS:

No. 6 Digester being caulked and welded.

JOB 1065 #5, #6, #7 and #8 BOILERS:

Tube sections are all erected for #5 and #6 Boilers and being expanded.

Signed

[Signature]
JOB 1051 WATER WHEELS AND GENERATOR ROOM:
Connecting ring in 7'-6" diameter section of Penstock riveted 
and caulked.
Connecting ring in 11'-0" diameter section of Penstock nearly 
ready for riveting.
Concrete piers under Penstock have been poured.
Runner and Heads in No. 8 Water Wheel are in place.
Draft Bend on south side of Water Wheel No. 8 in place to-night.
Bottom section of Stator for 1st Generator in place and rotor 
for this Generator has been taken into Generator Room and is 
nearly ready to be set into bearings.
Structure in Tunnel practically ready for erection of copper 
which is being cut.
Switchboard panels erected.
Switches for additional Motor Circuits installed.
Disconnecting Switches installed.

JOB 1064 DIGESTERS:
No. 6 Digester erected and riveted except bottom nozzle and 
is being caulked inside.

JOB 1065, #5, #6, #7 and #8 BOILERS:
Drums for the four Boilers erected.
Sections for #5 Boiler practically all erected.

Signed

[Signature]
GREAT NORTHERN PAPER COMPANY - ENGINEERING DEPARTMENT

PROGRESS REPORT ON CONSTRUCTION JOBS.

April 15, 1922.

JOB 1061 WATER WHEELS AND GENERATOR ROOM:

Operating cylinder for #7 Wheel has been installed.
Governor and Shaft Bearing set ready for grouting.
Section of floor between #7 Wheel and East wall of Generator Room poured.
Penstock has been connected to #7 Wheel and the connection between the 7'-6" diameter section and the 11'-0" diameter section is ready for riveting.
The Generator Base for #7 Wheel has been set.
Top Casing and Operating Ring on #8 Wheel in place.
Bottom Casing and Pedestal Bases of #8 Wheel grouted.
Bus Bar supports 95% erected in the Tunnel.

JOB 1064 DIGESTERS:

Fourth course of cylindrical section of #6 Digester riveted.
Top cone erected and partially riveted.

JOB 1065 #5, #6, #7 and #8 BOILERS:

The Tubes for all four Boilers have been received and unloaded.
All drums and one set of Tubes have been moved into the Boiler House.
The Drums have been erected for #5 and #6 Boilers.

Signed

[Signature]

FORM 2A
JOB 1051 WATER WHEELS:

Draft tubes of No. 7 Water Wheel in place and anchored to walls. Bottom casing and draft tubes grouted. Relief Valve in place. Setting foundation casting of operating cylinder. Bottom casing of No. 8 Wheel set to line and grade and anchor bolts grouted. Top casing being erected to-day.

JOB 1064 DIGESTERS:

Fourth course of cylindrical section of No. 6 Digester erected and partly riveted.

JOB 1065 #5, #6, #7 and #8 BOILERS:

Drums for two Boilers moved into Boiler House.

Signed

[Signature]
PROGRESS REPORT ON CONSTRUCTION JOBS.  

April 1, 1922.

JOB 1051 WATER WHEELS:

Forms stripped for Wire Tunnel, backfilled and adjoining sections of floor completed.
Supports for Bus Bars being erected.
No. 7 Water Wheel lined up, bases grouted and draft bends in place and bolted up.
Discharge portion of Relief Valve for No. 7 Water Wheel in place.
Bottom Casings of No. 8 Water Wheel in place and being brought to line and grade.

JOB 1064 DIGESTERS:

Third course of cylindrical section of No. 6 Digester riveted and caulked to-night.

JOB 1065 #5, #6, #7 and #8 BOILERS:

Steel changed under site of new Boiler Settings and preparations being made to erect new Boilers.

Signed.

[Signature]
PROGRESS REPORT ON CONSTRUCTION JOBS.    Mar. 25, 1922.

JOB 1051 WATER WHEELS:

Wire tunnel concreted.
Top casing 
Water Wheel set and bolted and runner in place.

JOB 1056 HEAD GATES:

No. 7 Head gate complete except connection between No. 6 and No. 7 and Coffer dam removed.

JOB 1064 DIGESTERS:

Second and third courses on cylindrical section of No. 6 Digester erected.
First course riveted and caulked, second course partly riveted.

JOB 1065 #5, #6, #7 and #8 BOILERS:

Changing steel beams for new Stokers.
Three carloads of boiler drums received and unloaded.

Signed

[Signature]
JOB 1051 WATER WHEELS:

Bottom casings of #7 Water Wheel set in place and anchor bolts grouted.
Bottom casings for pedestal bearings of #7 Water Wheel set and anchor bolts grouted.
Other parts of #7 Wheel being moved into Generator Room.
Walls and Roof of Wire Tunnel about 20% concreted and remainder of forms completed.
De Laval Fire Pump installed and all connections made except to Penstock.

JOB 1056 HEAD GATES:

Gate Hoisting Mechanism for #7 Gate set and grouted.
Cofferdam flooded and Trash Racks inside of Cofferdam in place.
Cofferdam removed to-day.

JOB 1064 DIGESTERS:

First course of plates on cylindrical section of #6 Digester erected, partly riveted and caulked.

Signed

[Signature]
PROGRESS REPORT ON CONSTRUCTION JOBS. March 11, 1922.

JOB 1051 WATER WHEELS:

All work on new Penstock completed except connections which are to be made after wheels are set. Concrete foundations for Wheel #8 and Generator #2 completed. Water Wheel castings being moved to Generator Room. Floor of Wire Tunnel concreted. Forms for walls and roof of Wire Tunnel now building.

JOB 1056 HEAD GATES:

Structural Steel all set and grouted. Gate Hoisting Mechanism being set.

JOB 1064 DIGESTERS:

Bottom cone of #6 Digester in place, riveted and columns grouted.

Signed
PROGRESS REPORT ON CONSTRUCTION JOBS.

March 4, 1922.

WATER WHEELS:  JOB 1051

Forms for #7 Wheel foundation removed.
Forms for #8 Wheel and Generator foundations 95% complete.
Steel work on new Penstock 85% completed.
Excavation for wire tunnel complete.
Switchboard Extension, concrete work 90% complete.
Section of floor of Tail Race near Fire Pump completed.
New Fire Pump has been set in position and is being lined up to-day.
Penstock cleaned and painting started.

HEAD GATES:  JOB 1056

New Gate is in position.
Steel work for racks 80% complete.

DIGESTERS:  JOB 1064

Lower Cone section and columns are in position and 75% riveted.

Signed

[Signature]
PROGRESS REPORT ON CONSTRUCTION JOBS.  

February 25, 1922.

WATER WHEELS: JOB 1051

Foundations for Wheel #8 and 2nd Generator about 95% concreted.
Work on Penstock about 70% completed.
Old Penstock about 80% cleaned.
Floor of wire tunnel about 85% concreted.
Excavation for wire tunnel about 40% complete.
Switchboard platform extension forms completed — to be concreted today.

HEAD GATES: JOB 1056

Gate guides in place for #7 Head Gate.

DIGESTERS: JOB 1064

Bottom cone of #6 Digester erected.
To start riveting Monday.
PROGRESS REPORT ON CONSTRUCTION JOBS.

Feb. 18, 1922.

JOB 1051 WATER WHEELS:

Foundations for Wheel #7 and 1st Generator concreted.
Old masonry and earth excavation for 2nd Generator foundation about 75% completed.
Work on new Penstock about 50% completed.
Old Penstock about 35% cleaned.
Structural Steel for floor over Tail Race in West end of Generator Room erected and riveted.
Barrett Specification Roof on Generator Room completed.

JOB 1056 HEAD GATES:

Draining and bracing Coffer Dam at Headgate #7.

JOB 1064 DIGESTERS:

Portland Co.'s erector arrived Monday and is unloading material and setting up plant preparatory to erecting #6 Digester.

Signed

[Signature]

FORM 2A
PROGRESS REPORT ON CONSTRUCTION JOBS. February 11, 1922.

JOB 1051 WATER WHEELS:

Concrete arch support for #7 Water Wheel and foundation for 1st Generator 85% complete.
Forms practically completed between Wheel support and East wall of Generator Room.
Excavation for Wire Tunnel about 20% complete.
Old Floor Beams over Tail Race removed.
Started cleaning inside of Old Penstock Thursday.
Draft Tubes for #7 Water Wheel riveted, caulked and lowered into Tail Race.

JOB 1052 BOILER HOUSE:

Second Battery of Boilers put onto line Monday February 6th.

JOB 1056 HEAD GATES:

Crib for #7 Head Gate sealed with concrete last Sunday, which is being allowed time to set before work is resumed.

JOB 1064 DIGESTERS:

One carload of machinery and one of Digester Material received yesterday.

Signed [signature]
JOB 1051 WATER WHEELS;

Old machinery in Generator Room all removed.
Old Penstock removed and erection of new section started.
Excavation for 1st Generator foundation complete.
Started concreting Generator foundation to-day.
Building forms for #7 Wheel Support.
Started excavation for Wire Tunnel.
New Gypsum Roof on Generator Room completed and protected
by first courses of paper.

JOB 1052 BOILER HOUSE;

This job is practically completed.
Four New Boilers will be in use Monday.

JOB 1056 HEAD GATES;

Crib for #7 Penstock in place and wood sheeting driven.

REPAIR OF NO. 4 GRINDER LINE;

Completed to-day. Water will be admitted to this Penstock
tomorrow.

Signed
PROGRESS REPORT ON CONSTRUCTION JOBS.  
Jan. 28, 1922.

JOB 1051 WATER WHEELS:

Old machinery about 75% removed from Generator Room.  
Section of Old Penstock which is to be replaced is about 60% removed.  
Excavation for skew backs of #7 Wheel supporting arch and Generator foundation about 60% complete.  
Roofing Foreman for United States Gypsum Company arrived Thursday and is placing steel rail supports on Generator Room Roof trusses.

JOB 1052 BOILER HOUSE:

East Wall of Old Boiler House, Old Coal Bunker and Old Coal Conveyor Bridge all taken down.  
Concreting balance of Boiler House main floor and cleaning up preparatory to concreting balance of basement floor.

JOB 1064 NEW DIGESTERS:

New foundations for No. 6 Digester have been completed, waiting for Portland Company since January 15th.

REPAIRS TO NO. 4 WATER WHEEL:

Shaft and runner removed from No. 4 Wheel Casing and old runner is being taken from shaft.

Signed
PROGRESS REPORT ON CONSTRUCTION JOBS.

JOB 1051 WATER WHEELS:
New Crane supporting steel and Crane erected.
Old machinery about 50% removed.
Cutting stone walls for skew backs of No. 7 Wheel supporting arch.
Pumping Generator Tail Race and bracing gate.

JOB 1052 BOILER HOUSE:
All Draft Fans balanced to speed.
First Battery of Boilers now delivering steam to Main line.
Old Coal Bunker about 85% removed.
East Wall of Old Boiler House about 60% torn down.
Old Conveyor Bridge and Work House about 95% demolished.
Ashes from New Battery and all Old Lower Boilers being delivered to truck by New Ash Drag.

JOB 1064 DIGESTERS:
Basement floor and drain at site of No. 6 Digester complete waiting for Portland Company.

Signed

[Signature]
PROGRESS REPORT ON CONSTRUCTION JOBS.

January 14, 1922.

JOB 1051 WATER WHEELS:
Structure steel for new crane 80% erected.
New Crane being moved into Generator Room.

JOB 1052 BOILER HOUSE:
Boiler Settings complete for both batteries.
Drying fires in both batteries.
Stoker Engines and Driving Shaft erected for lst battery
and we expect to operate this Stoker to-day.
Coal Spouts from New Bunker to Old Boilers erected.
Old Coal Bunker and East Wall of Old Boiler House 40% demolished.
Old Coal Conveyor Bridge about 35% demolished.
Two Draft Fans balanced at speed.
Installing ash drag in new ash tunnel.

JOB 1064 DIGESTERS:
Concrete foundations complete for No. 6 Digester.

Signed

[Signature]
JOB 1051 WATER WHEELS:

Closing gate on 11 ft. Penstock tomorrow (Sunday) morning to permit removal of old Generators and Water Wheels and placing of coffer dam for new steel gate. Temporary enclosure of old Switchboard completed. Old Crane Supports being removed from Generator Room. New columns going in.

JOB 1052 BOILER HOUSE:

Boiler Setting for Second Battery about 75% complete. Soot pipes and Hoppers erected and grouted for both batteries. All piping about 90% erected. New Coal Conveyors in operation and are now supplying all boilers. Coal Spouts from New Bunker to Old Boilers being erected and old Bunker and boiler house wall being demolished. Draft Fan Units set and grouted.

JOB 1064 DIGESTERS:

Digester #6 and supporting steel taken down and removed from building. Excavation for new foundations now under way.

Signed [Signature]