1921

Engineering Department Progress Report on Construction Jobs, 1921

Great Northern Paper Company

Follow this and additional works at: https://digitalcommons.library.umaine.edu/great_northern

Part of the United States History Commons

This Newsletter is brought to you for free and open access by DigitalCommons@UMaine. It has been accepted for inclusion in Great Northern Paper Company Records by an authorized administrator of DigitalCommons@UMaine. For more information, please contact um.library.technical.services@maine.edu.
JOB 1051 WATER WHEELS:

Material and spare parts have been moved from Generator Room into temporary workshop in Wood Room Building. Temporary Generator Unit carrying full electric load but Governor is not yet adjusted to take care of fluctuations satisfactorily. Hope to have this matter smoothed out soon so as to start work in Generator Room this coming week.

JOB 1052 BOILER HOUSE:

Boiler Setting for second Battery about 50% complete. Main Steam Lines erected and ready for taking steam but for two flanges which broke while being bolted up. Soot Pipes and Hoppers erected for first Battery. Coal Spouts erected for both batteries of Boilers. To start New Coal Conveyors to-day. Fan Erector has started erecting Draft Fans.

JOB 1064 DIGESTERS:

Lining is about 90% removed from No. 6 Digester. Started cutting steel shell with Oxy-Acetylene torch Thursday afternoon.

Signed

[Signature]
PROGRESS REPORT ON CONSTRUCTION JOBS. December 24, 1921

JOB 1051 WATER WHEELS:

No. 6 Water Wheel and Generator running under full load. Moving Electricians' spare parts to temporary workshop in Wood Room building.

JOB 1052 BOILER HOUSE:

Main Roof complete except flashing and gravelling around blow-off pipes.
Inside face of Parapet Wall covered with Elastigum.
Coal Conveyor over New Bunker complete.
Drive for Coal Conveyor in Conveyor Bridge being installed. Motor placed in New Crusher House preparatory to installing drive for Crusher.
Coal Crusher set on its foundation in New Crusher House.
Boiler Setting for 1st Battery of Boilers complete.
Boiler Setting for 2nd Battery about 25% complete.
Main lines of Steam Piping connected to Boilers and all erected except short pieces to connect to present lines in old Boiler House.
Feed Pipe Mains about 70% erected.
Two shipments of Steam Piping in transit.

JOB 1064 DIGESTERS:

Work on removing lining of No. 6 Digester about 25% done.

Signed

[Signature]

GREAT NORTHERN PAPER COMPANY - ENGINEERING DEPARTMENT
PROGRESS REPORT ON CONSTRUCTION JOBS.

December 17, 1921.

JOB 1051 WATER WHEELS:

No. 6 Water Wheel and Generator running under 250 H. P. load.
Guides and Gallows frame for gate at No. 7 Tail Race in place.
Temporary protection built around Switchboard and Cables in Generator Room.

JOB 1052 BOILER HOUSE:

Boiler House, Roof 85% complete.
Tearing out roof and walls of old Fan Room complete.
Steel for Fan Room Partitions erected and riveted.
Boiler erection practically finished.
Boiler Settings - First Battery 90% done, Second Battery 15% done.
Stokers - Complete except drives which will be placed after settings are finished.
Piping - Third carload received and unloaded. Piper Gangs working on Steam Exhaust and Feed Lines.
Conveyor equipment 50% installed.
Raffle Walls complete.

JOB 1056 HEAD GATES:

Crib for gate on Penstock #7 40% complete.
Guides for crib on #7 Penstock 75% complete.

JOB 1057 SUCTION LINE TO FIRE PUMPS:

House over gate chamber complete.

DIGESTER HOUSE TRUSSES:

Repair of Roof Trusses in Digester House Complete and painted.

JOB 1064 TEARING OUT OLD DIGESTERS:

Vestibule at North door of building complete.
Preparations being made for demolition of No. 6 Digester to begin Monday December 19th.

Signed
PROGRESS REPORT ON CONSTRUCTION JOBS. December 10, 1921.

JOB 1051 WATER WHEELS:

Temporary Generator Unit started Thursday afternoon and has been running nicely. No load has been put onto this unit as yet.

JOB 1052 BOILER HOUSE:

The finish coat of the Coal Bunker is complete.
Main Roof about 75% complete.
Old Coal Bunker Monitor demolished.
Wood doors about 50% in place.
Boiler Settings for first battery about 75% done and settings for second battery have been started.
Smoke Flue practically completed and connected to both batteries of Boilers except for short section recently ordered.
Stokers for both batteries erected except engines and driving shafts.
Good progress is being made erecting piping which has been received.

JOB 1056 HEAD GATES:

Building crib for #7 gate.

JOB 1057 SUCTION LINE TO FIRE PUMPS:

Hy-Rib all in place and started plastering yesterday.

Signed

[Signature]
JOB 1051 WATER WHEELS:

Relief Valve all fitted up.
Governor and Pump set and grouted.
Generator in place and grouted.
Coils in Generator being placed.
Connection between Relief Valve and Penstock riveted and caulked.
All Penstock work for #6 Unit complete.

JOB 1052 BOILER HOUSE:

About 85% of the finish coat in the Coal Bunker has been completed with the Cement Gun.
Roofs in Crusher House, Winch House and Ash Ramp are complete.
Boiler House roof 30% complete.
Old Coal Bunker Monitor 75% demolished.
Branch Air Ducts complete for both batteries of Boilers.
Coal Gates on New Coal Bunker all erected.
Boiler Setting for first battery 40% complete.
Turner Baffle Wall for first Boiler of second battery complete.
Kinnear Doors erected and other doors 35% in place.

JOB 1056 HEAD GATES:

All work at gate #6 complete.

JOB 1057 SUCTION LINE TO FIRE PUMPS:

Steel sash in place and Hy-Rib 25% in place.

Signed
PROGRESS REPORT ON CONSTRUCTION JOBS. November 26, 1921.

JOB 1051 WATER WHEELS:

Wheel pit all concreted for temporary Generator installation.
New plates riveted on Penstock Elbow.
Connecting piece between relief valve and Penstock in place and partly riveted.
Lining up Generator with No. 6 Wheel.
All parts for #7 and #8 Water Wheels received and unloaded.

JOB 1052 BOILER HOUSE:

About 50% of the finish coat in the Coal Bunker has been completed with the Cement Gun.
Brick work on building complete.
Crusher House roof completed except edge-strip.
Boiler House roof 20% complete.
Old Coal Bunker Monitor 35% demolished.
Branch Air Ducts erected for first battery of boilers.
All fans have been placed on their foundations.
Coal Gates on New Coal Bunker about 50% erected.
Boiler work about 95% complete.
Taylor Steokers about 90% installed.
Boiler settings about 20% complete for first battery of boilers.

JOB 1056 HEAD GATES:

Crib for #6 Penstock is removed.
Permanent trash racks in place for #6 Penstock except connection between #5 and #6.
Gate hoisting device for #6 set and grouted.

JOB 1057 SUCTION LINE TO FIRE PUMPS:

Steel sheet piling all pulled and backfilling completed.
Connections to Steam Fire Pumps made.
Structural Steel for Screen House erected.

Signed [Signature]
JOB 1051 WATER WHEELS:

Concrete floor over No. 6 Tail Race placed.
Relief Valve assembled in place.
New plates on Penstock Elbow riveted.
Lower half of Generator field placed on the base and rotor is being moved into place.
Floor broken out for structural steel changes to accommodate setting Governor for No. 6 Wheel.
Runner and Pedestal bearings for last unit received.

JOB 1052 BOILER HOUSE:

Smoke Flue complete except for connections to Boilers and the covering.
About 33% of the finish coat in the Coal Bunker has been completed with the Cement Gun.
Taylor Stokers about 50% complete under second Battery of Boilers.
Turner Baffle Wall over bridge wall complete for one set of tubes in First Battery.
Basement floor and drains completed between the exterior wall and Ash Tunnel.
Both Turbine and Motor driven Fans are being assembled.
Owing to snowfall Roofer's have only been able to do some patching on Old Boiler House and place paper and pitch on New Crasher House.

JOB 1056 HEAD GATES:

Steel work under water completed, screens installed and crib removed.

JOB 1057 SUCTION LINE TO FIRE PUMPS:

Screens placed at intake Well and connection to Steam Fire Pump made. End pump to be connected Sunday.
Sheet steel Piling 75% pulled.

Signed J. C. B.
PROGRESS REPORT ON CONSTRUCTION JOBS.

JOB 1051 WATER WHEELS:

Both Draft tubes in place on No. 6 water wheel.
Bottom ring of Relief Valve set and concreted in place.
Bottom case of No. 6 Water Wheel concreted up to the floor level.
Connecting piece between No. 6 Wheel and Penstock riveted and concreted.
Old plates on Penstock Elbow removed.
Generator base and pedestal bearings assembled in place.
Bark and debris dragged from No. 7 Tail Race.

JOB 1052 BOILER HOUSE:

Ash Tunnel completed.
Brick walls complete except above the roof at the construction elevator.
Cleaning exterior brick walls about 75% complete.
Coal bunker received hand plaster coat and started finish coat with Cement Gum.
Sash operators installed for all windows except those in the brick walls of the Boiler House.
Smoke flue assembled and 75% riveted.
Taylor Stokers under first battery complete and progressing well under second battery.
Raffens started November 11th.

JOB 1056 HEAD GATES:

Crib at No. 6 Gate unwatered for completing steel work.

JOB 1057 SUCTION LINE TO FIRE PUMPS:

Forms removed from intake well of Screen House.
Steel sheet piling 50% pulled.

Signed

New Bunt Straps for No. 3 Digger repaired received

Sat. am.
PROGRESS REPORT ON CONSTRUCTION JOBS.

NOVEMBER 5, 1921.

JOB 1051 - WATER WHEELS:

One draft tube in place on #6 Water Wheel. Walls for relief valve discharge concreted. Masonry all exoxtated for Relief Valve Discharge. One Water Wheel complete and second Relief Valve for Generator Room received and unloaded. Gate and Pumps have been received from tail race #6. Connecting piece between Wheel #6 and Penstock partly riveted. All Material for changes in Penstock received.

JOB #1052 - BOILER HOUSE:

Plastered walls all complete except ends of Monitor, inside finish coat of main conveyor bridge and fan room partitions. All of main floor concreted except part that will be left until wall of old Boiler Room is demolished. Basement floor 50% concreted. Ash tunnel 75% complete. Glass all set and partly puttered. Sash operators in Skylights complete. Stairways, platforms and railings 75% in place. Coal Bunker coated with Bitumastic. Taylor Stokers under first battery of Boilers practically complete. First Battery of Boilers about 75% complete. East Side and bottom of smoke flue erected and riveted.

JOB #1057: - Suction Line to Fire Pumps.

Earth backfilling complete and paving 75% in place. Steel sheet piling 15% pulled.
PROGRESS REPORT ON CONSTRUCTION JOBS.

NOVEMBER 5, 1921.

JOB 1051 - WATER WHEELS:

One draft tube in place on #6 Water Wheel.
Walls for relief valve discharge concreted.
Masonry all excavated for Relief Valve Discharge.
One Water Wheel complete and second Relief Valve
for Generator Room received and unloaded.
Gate and Pumps have been received from tail race #6.
Connecting piece between Wheel #6 and Penstock partly riveted.
All material for changes in Penstock received.

JOB #1052 - BOILER HOUSE:

Plastered walls all complete except ends of Monitor, inside finish coat of main conveyor bridge and fan room partitions.
All of main floor concreted except part that will be left until wall of old Boiler Room is demolished.
Basement floor 30% concreted.
Ash tunnel 75% complete.
Glass all set and partly puttied.
Sash operators in Skylights complete.
Stairways, platforms and railings 75% in place.
Coal Bunker coated with Bitumastic.
Taylor Stokers under first battery of Boilers practically complete.
First Battery of Boilers about 75% complete.
East side and bottom of smoke flue erected and riveted.

JOB #1057: - Suction Line to Fire Pumps.

Earth backfilling complete and paving 75% in place.
Steel sheet piling 15% pulled.
JOB 1051 WATER WHEELS:

Draft bends are in place.
Footings for relief valve installation concreted.
Masonry for relief valve discharge 75% excavated.
Placing bearing plates for generator base.
Two carloads of parts for No. 7 unit received.
Penstock for Generator Room received.

JOB 1052 BOILER HOUSE:

Brickwork on outside walls complete except opening left in South wall and caping stones on parapet wall are 60% in place.
All outside plaster complete and inside coats complete in Crusher House and Skylight Monitors.
All roofs concreted.
Main floor 65% concreted.
Basement floor 20% concreted.
Glazing complete in skylights, Main Monitor, West wall.
Conveyor Bridges and Crusher House; 50% completed in Main Boiler House.
Sash operators for two skylights complete.
Stairways, platforms and pipe railings 45% complete.
Coal bunker about 60% finished with Bituminous coating.
Drums and tubes in place for both batteries of boilers.
Stoker under first battery of boilers about 20% erected.
Stoker for second battery received and being unloaded.
Section of smoke flue between Boiler House and Chimney erected.
Also bottom plates of flue inside Boiler House in place.

JOB 1056 HEAD GATES:

Columns for supporting trash rack frames in place and bases concreted.

JOB 1057 SUCTION LINE TO FIRE PUMPS:

Intake well of Screen House concreted.

Signed

[Signature]
JOB 1051 WATER WHEELS:

Bottom casing set and grouted.
Redeck bases set and grouted.
Top casing in place and bolted.
Penstock elbow is turned to final position.
Rock excavation for relief valve completed.
Governors for Generator Units received.

JOB 1052 BOILER HOUSE:

Riveting completed except stairways and platforms and minor changes. Brickwork about 65% complete. Outside plaster complete on Crusher House, West Wall of Boiler House, Skylight Monitors and East Side of Main Monitor. All Ry-Kib for outside walls in place. All Sash in place except one in North and one in South end of building where brickwork is left open temporarily.
Monitor Roof concreted. Floor of conveyor bridge between Crusher Houses concreted to-night. Forms in place for Roof and Floors of Main Conveyor Bridge and Winch House. Cladding complete on West Wall, Skylights and East Wall of Main Monitor. Chimney completed Thursday Oct. 20th.
Stoker Erector arrived Wednesday morning and Stokers for first Battery have been received, unloaded and partly moved to Boiler House. Inside of Coal Bunker is being covered with Nonspecific primer. First shipment of smoke flux received and being hauled to Boiler House. Erection is begun.

JOB 1056 HEAD GATES:

No. 6 Steel Gate in place. Cutting away concrete for bases of columns at No. 6 gate. Foundations concreted for Gate Hoist at No. 7 Penstock.

JOB 1057 SUCTION LINE TO FIRE PUMPS:

Excavation completed. Footing for Screen House concreted and forms in place to-night for walls of pit. 30" pipe laid and caulked and partly backfilled. 18" pipe laid as far as core wall of embankment which is being cut cut to let pipe through.

Signed
PROGRESS REPORT ON CONSTRUCTION JOBS - OCTOBER 15, 1921.

JOB 1051 - WATER WHEELS:
Bolts, casing and pedestals for #6 unit are in place and anchor bolts greased.

JOB 1052 - BOILER HOUSE:
Monitors all Riveted.
Conveyor Bridges riveted tomorrow.
Brick work on Monitor House completed tonight.
Brick work on Boiler House 65% complete.
Outside plaster of West Wall completed tonight.
" " " Crusher House about 65% complete.
All outside Hy-wrib in place except on Conveyor Bridges and Ash Ramps.
All Sash in place except in Conveyor Bridges.
Boiler House main roof completed.
Forms for Monitor Roof 75% in place.
Van Noordan's greater completed skylights October 12th.
All Drums for second battery erected and all tube sections are moved into building.
To finish outside brick work on Chimney today and to start putting in Fire Lining Monday.

JOB 1056 - HEAD GATES:
Gates for #6 Penstock in place today.
Foundations for hoisting device concreted.

JOB 1057 - SUCTION LINE TO FIRE PUMPS:
Excavation inside cofferdam about 50% completed.
PROGRESS REPORT ON CONSTRUCTION JOBS. OCTOBER 29TH, 1921.

JOB 1051 - WATER WHEELS:

Draft tubes for #6 Grinder unit have been placed in tail race.
Relief valve is in Grinder Room and bottom casting of Water Wheel is being moved in.
Excavation for relief valve is about 80% complete.
Temporary Generator foundation concreted.

JOB 1052 - BOILER HOUSE:

Coal Bunker all riveted.
All monitors practically riveted.
Brick work 50% complete.
West wall about 50% plastered.
Hy-rib all in place on West side of Boiler House, in place on three skylights and about 50% in place on Crusher House tonight.
Windows each about 70% in place.
Crusher House floors and roof concreted tonight.
Main floor of Boiler House 85% concreted.
Main roof of Boiler House 85% concreted.
All of the roof trusses in Old Boiler House have been reconstructed, connections are made and slab concreted.
Van Voorhis' erector is working on fourth skylight today.
All heavy material for first battery of boilers is in place.
All drums for second battery are in building and tube sections are being moved in.
Chimney about 150 feet high above foundation.

JOB 1050 - HEAD GATES:

Grip is braced and unshuttered.
Starting removal of old gate.
To start cutting away concrete for column footings tomorrow.
Steel Gates for #6 and #7 penstocks completed.

Signed:

J. C. Bowker

[Signature]
JOB 1051 WATER WHEELS:

Foundation Piers for #6 Unit concreted.
Excavation completed for Temporary Generator. Foundation and bottom section concreted.
Relief Valve excavation 40% completed.

JOB 1052 BOILER HOUSE:

Finish erecting Coal Bunker and all Monitors to-morrow.
Coal Bunker 50% riveted.
Crusher House all riveted.
Four Skylight Monitors riveted.
Brick work 20% complete.
Started plastering yesterday on West side of Boiler House.
Window sash about 60% in place.
Motor and Fan Foundations completed.
Ash Tunnel 40% completed.
Roof 35% concreted.
Main Floor 30% concreted to-morrow.
Chimney about 70 feet above foundation.
Tubes for Battery in South end about 50% in place.

JOB 1056 HEAD GATES:

Wood sheeting driven and concrete seal in place.
No. 6 Gate is riveted.

JOB 1057 SUCTION LINE TO FIRE PUMPS:

Steel Sheet Piling all driven for Cofferdam and Diver caulking same.

Signed
PROGRESS REPORT ON CONSTRUCTION JOBS.

September 24, 1921.

JOB 1051 WATER WHEELS. Masonry all removed for foundation piers and plank is being cut away in bottom of Tail Race for footing of pier.

Excavation practically completed for Generator foundation.

Progress has been delayed on this job on account of Tail Race Floor not holding at gate when the head was reduced inside by pumps.

JOB 1052 BOILER HOUSE.

Main Structure riveted.
Coal bunker 40% erected.
Monitors 30% erected.
Crusher House erected and 50% riveted.
Main Conveyor Bridge erected.
Brickwork on Boiler House about 1/3 complete.
Window Sash all in place on West Side and Hy-Rib 50% in place.

To start plastering West side Thursday.
Main Floor about 40% concreted.
Ash Tunnel Walls and Roof about 20% concreted.
Roof forms are about 35% in place and will be concreted to-morrow.

Forms for Turbine Driven Fan Foundation are in place and will be concreted to-day.
Drums are in place for Battery in South end.
Started building chimney Tuesday, Sept. 20th, and have built up about 25 feet above foundation.

JOB 1056 HEAD GATES. Crib for Cofferdam is in place and weighted down, and wood sheating is practically all driven.

JOB 1057 SUCTION LINE TO FIRE PUMPS. Steel sheet piling for Cofferdam about 60% driven.

Signed

[Signature]
PROGRESS REPORT ON CONSTRUCTION JOBS. Sept. 17, 1921.

JOB 1051 WATER WHEELS. Masonry all removed for foundation piers down to within one foot of the bottom which will be removed tomorrow. Wood Sheeting placed for excavation at relief valve. Generator foundation about 40% excavated. Relief Valve received this week from Cramps.

JOB 1052 BOILER HOUSE. Main Structure erected, about 65% riveted and 25% painted.

Upper Main Trusses of Coal Conveyor Bridge erected to-night.

Main Structure of Crusher House practically erected. North bay of Monitor erected.

Started erection of Coal Bunker yesterday.

All Steel is erected preparatory to installation of first battery of Boilers and Babcock & Wilcox Erector is bringing material to site.

South end and half of East side bricked-in to-night up to the Main Floor Beams.

Forms are in place for about 50% of Main Floor and about 20% of Main Floor has been concreted. Roof forms are about 20% placed.

Floor of Ash Tunnel concreted to-night.

To start Chimney Monday, Sept. 19th.

JOB 1056 HEAD GATES. Guides being placed to-day for coffer-dam at Gate #6. Work has been delayed on account of Air Compressor breakdown.

JOB 1057 10" SUCTION LINE TO FIRE PUMPS. Setting up boiler engine and derrick at site of Intake House preparatory to driving steel sheet piling.

Signed.

F.C. Bowker

13-29.9
PROGRESS REPORT ON CONSTRUCTION JOBS.  September 10, 1921.

JOB 1051 WATER WHEELS.  All of #6 Water Wheel has been removed except one draft tube and part of the other.

Wheel Pit floor has been removed and middle section of masonry wall cut down nine feet or within 3'-6" of the total depth.

About fifteen yards of earth excavation has been removed for relief valve.

Gate in #6 Tail Race in place.

JOB 1052 BOILER HOUSE.  All of main steel structure erected but two bays in North end of building, and about 40% riveted.  Expect to complete erection of main structure Tuesday.

About 10% of main structure is painted two coats.

80% steel erected in crusher house.

Blast Fan and Motor foundations concreted to-night.

About 60 feet of floor of Ash Tunnel concreted to-night.

About 20% of forms in main floor of boiler house ready for concrete.

To start brick work Monday.

General work retarded to-day on account of frequent heavy showers.

Signed

[Signature]

J. C. Bowker
JOB 1051 WATER WHEELS. No. 5 Grinder Unit was turned over to the operating department on Tuesday, August 30th and has been grinding pulp since that time. The old No. 6 Unit was shut down on Tuesday, August 30th, all Grinders have been removed from the up-river side and the work of dismantling the old Wheel is progressing rapidly. The top half of the case, the draft bends, the Water Wheels and shaft have been removed. We are now cutting out concrete around the case and draft tube.

JOB 1052 BOILER HOUSE. Blast Fan and Motor foundations in North end of building, about 30 ft. of the roof of the main air duct and floor of the ash tunnel were concreted yesterday. Excavation for Motor and Blast Fan foundations in South end of building is practically completed.

Structural Steel forming the main frame for the Boiler House is erected for seven bays from the South end of the Building. This main frame comprises columns, floor and roof beams, bunker girders and in general all heavy steel members in the building. The work completed to date comprises a little over one-half the main frame of the building. Progress on this steel erection is satisfactory and three bays at the South end of the building have been riveted.

Forms for concreting main floor of Boiler House are now being made. Chimney foundation is completed and steel piling pulled and removed, and we expect the Chimney Builders here to commence work immediately after Labor Day. Brick has begun to arrive and we expect to start laying brick and concreting main floor next week. Foundations, ground floor and two walls of the Winch House are completed and Crusher House piers are concreted.

JOB 1056 STEEL GATES. No. 5 Steel Gate is completed and in use. No. 6 Gate is assembled ready to rivet. Dredging back from in front of racks will be done to-morrow, Sunday, preliminary to placing coffer dam for No. 6 gate work.

JOB 1057 18" SEWER LINE TO FIRE PUMPS. Pipe is now laid from the Pump House to the back side of the embankment of Ferguson Pond. Branches to and from new Centrifugal Fire Pump are being cut in to-day. Steel piling has been hauled to Ferguson Pond for use in coffer dam around Intake House.

Signed

[Signature]
JOB 1051 WATER WHEELS. Grouted #5 Grinder Unit last Sunday and concreted the Wheel Pit floor. No. 5 Unit is all assembled and will be started with part load tonight.

Three cars of #6 Unit have been received and unloaded. One carload of Generator for Generator Room received and unloaded this week.

JOB 1052 BOILER HOUSE. Pulling of sheet piling and back-filling around Stack foundation will be completed to-morrow night. Foundation is ready for Chimney Contractor.

Foundations for Crusher House are 85% completed and Conveyor Bridge piers 40%.

Air Duct is finished below basement floor.

Excavating for Motor Driven Fan Foundation in North end of building.

Retaining Wall is completed and floor of Winch House concreted.

Window sills and lintels are 40% cast.

All Steel has been received and will be unloaded to-night. Three and one-half bays of the Steel structure erected to-night, starting at the South end of Building.

JOB 1056 RIBSTOCK HEADGATES. Diver making final inspection inside Trash Racks of Headgate #5 to-day.

Signed

[Signature]
GREAT NORTHERN PAPER COMPANY - ENGINEERING DEPARTMENT

PROGRESS REPORT ON CONSTRUCTION JOBS.

August 20, 1921.

JOB 1051 WATER WHEELS. Mr. Closson arrived last evening to pass on wheel #5 before it is grouted in. All forms are in place and the wheel will be grouted in as soon as Mr. Closson passes on the wheel.

Two carloads of #6 Unit have arrived and will be unloaded to-day. The Generator for #6 Unit has arrived and was unloaded yesterday.

JOB 1052 BOILER HOUSE. Finished concreting chimney foundation Thursday afternoon and backfilling on the inside will be completed to-day.

Will finish concreting Coal Retaining Wall to-day.

Air Duct floor is all concreted.

Steel erection has been delayed on account of late arrival of proper steel columns to start. Expect to start erection Monday.

Excavating for Crusher House foundation started to-day.

Unloading Boilers to-day. Blast Fans have arrived.

JOB 1056 PENSTOCK HEADGATES. Head Gate #5 is completed.

Signed

[Signature]
JOB 1051 WATER WHEELS. Draft bends are in place and draft tubes will be anchored to-morrow while water is low. Penstock connection to wheel casing is drilled and will be riveted and concreted to-morrow or Monday. The wheel casing should be grouted in by Tuesday or Wednesday.

JOB 1052 BOILER HOUSE. Started concreting Stack Foundation yesterday and should finish next Wednesday. Excavation Main Air Duct completed and 40% concreted. Branch Air Ducts 50% completed. Winch House foundation walls completed.

Coal Retaining Wall 60% concreted and will be finished as soon as Stack Foundation is concreted.

Seven cars of Steel have been unloaded to-night. Twelve cars of Steel on the way. Traveler for erecting Steel has been erected and is ready for setting Steel when the proper columns arrive.

JOB 1056 PENSTOCK HEADGATES. Work on #5 Headgate will be completed Monday. To dredge bank to-morrow for setting coffer dam at #6 Penstock.

Signed

[Signature]
PROGRESS REPORT ON CONSTRUCTION JOBS.

August 6, 1921.

JOB 1051 WATER WHEELS. The Penstock elbow for #5 Grinder Unit has been turned and will be riveted to-morrow. Shaft for Water Wheel is being lined.

JOB 1052 BOILER HOUSE. Pipe piles are all driven. Pile caps will be completed to-morrow or Monday and Grade Beams are 80% completed.

About 60% of Air Duct has been excavated and 50% of the floor of the duct will be concreted to-day.

About 50% of the column bases have been placed and the Foundation Company is ready to erect steel on its arrival.

The old concrete floor on the new Boiler House site has been 30% removed.

The Coal Retaining Wall is about 30% concreted, all reinforcing is in place and forms are being built for the main walls.

Winch House foundation is completed.

Expect to finish excavation for stack foundation Monday and will start placing forms immediately.

JOB 1056 PENSTOCK HEAD GATES. Trash rack connection between #4 and #5 Penstocks will be made to-morrow. Two guides are bolted in place.

Signed

[Signature]

P. J.
PROGRESS REPORT OF CONSTRUCTION JOBS.    July 30, 1921.

JOB 1051 WATER WHEELS.  Shaft with runner for #5 Unit was received yesterday and is to be placed to-day.

To-morrow the Penstock Elbow is to be turned.  By Thursday night the Wheel Shaft should be in its final location.  Should be able to start Wheel Aug. 15th.  Good progress generally is being made on this installation.

JOB 1052 BOILER HOUSE.  All steel piling is driven and washing should be completed Aug. 1st.  All pile caps outside of Boiler House and "C" columns have been concreted as far as North end of old Fan House.

About 50% of grade beams have been concreted.  Pile caps, grade beams and "C" Column piers should be finished Aug. 6th.

Air Duct is 20% excavated.

The footing for retaining wall will be concreted Monday, Aug. 1st.

The Stack Foundation is 60% excavated and this excavation should be completed by next Thursday, Aug. 4th.

All Column Base Castings should be set and grouted Saturday, Aug. 6th.

The Mill Crew has been concreting floor between the two coal trestles North of Coal Conveyor.  Tunnel and placing forms for top of abutment.  Concreting for top of the abutment started yesterday and should be completed to-day.  It is reported that heavy timber for replacement of old coal trestle will be received to-day.

JOB 1056 PENSTOCK HEAD GATES.  Coffer Dam has been floated and practically all trash racks are in place.

Wood sheeting is to be pulled today and crib is to be floated to-morrow.

Signed  

FORM 2A
JOB 1051 WATER WHEELS. Casing for #5 Water Wheel has been put together and progress is being made toward installing head.

JOB 1052 BOILER HOUSE. Will finish driving pipe piles to-morrow including those to be driven in retaining wall footing.

To date about 60% of piles have been washed out and should finish this washing July 30th. About 25% of pile caps have been concreted and about 55% of pile cap forms are now in place. About 20% of grade beam forms are in place, starting at the south end of Boiler House. Forms are being placed for "C" Row Columns, starting at south end.

To complete driving sheet piling for chimney foundation to-night. To start excavation to-morrow.

To complete excavation for retaining wall to-morrow.

Old Coal Trestle has been torn down from abutment nearly back to Coal Conveyor Tunnel. Mill crew is framing timber on hand for this trestle and the labor gang is making ready for concreting floor between the two trestles. Railroad Crew will complete work on new track layout to-day.

Stone Crusher Plant is being run only part time to supply present concrete needs.

JOB 1056 PIDENTOCK HEAD GATES. No. 5 Head Gate has been tried out and works nicely.

Signed

[Signature]
JOB 1051 WATER WHEELS. Mr. Heinbaugh and Mr. Closson arrived from Cramps Shipyards Wednesday afternoon. Mr. Heinbaugh is to remain as erecting superintendent and Mr. Closson to return to-night. Two sections of 15 Water Wheel casing have been placed in the pit and first joint is being made up to-day.

JOB 1052 BOILER HOUSE. All piles inside Boiler House have been driven. To date about 75% of total piles are driven, 25% have been washed out and 20% of cap forms have been put in place. Will start concreting pile caps Monday. Expect to finish driving piles before July 24th.

Timber bulkhead is completed around site of new Crusher House.

Beams have all been removed from old Coal Trestle.

Started excavating for new chimney foundation on Thursday. To start driving steel sheeting to-morrow and expect to complete the excavation August first.

To finish placing ties on New Coal Trestle to-day. Railroad track has been laid as far as end of Trestle. Switch nearest Trestle has been installed and first switch of crossover will be set today. Will complete crossover and finish laying track the first of the week.

Stone Crusher Plant is installed and running nicely.

JOB 1056 MAINSTOCK HEAD GATES. No. 5 Head Gate and Hoist is installed and being tried out to-day.

Signed
JOB 1051 WATER WHEELS. Draft tubes for all four units have been received. Two car loads of No. 5 Grinder Turbine shipped from Philadelphia June 30th arrived yesterday and are now being unloaded. Telegraphing Rogers to-day to send Erector.

JOB 1052 BOILER HOUSE. All piles for column foundations inside old Boiler House have been driven except one group which will be finished to-morrow. Outside old Boiler House piles have been driven for about fifteen columns in the south end of the Boiler House and forms for concrete pile cap are in place for six columns. Pile driving is now progressing rapidly and we expect to have all piles driven within ten days.

Coal has practically all been removed from the Boiler House site and work commenced to-day on the erection of a derrick for use on the chimney foundation. Three cars of Custodies chimney brick have been received and are being unloaded.

Timber bulk head (of old Trestle timber) is being built to keep coal off the site of the new Crusher House. Three bents of the old Coal Trestle are still to be removed. This work is in progress.

New Coal Trestle completed ready for steel with the exception of six bays. The last trestle bent will be erected to-day and work on the deck should be completed next week. Railroad foreman with ten or twelve men are installing switch ties and other work preliminary to laying rails on the new Trestle. These rails have been shipped and are expected daily.

Stone Crusher Plant is complete with the exception of a little shafting and driving machinery which is being installed to-day. Power line is complete, motor is installed and we expect to start this Plant Monday.

JOB 1056 PENSTOCK HEAD GATES. No. 5 Head Gate is completed, painted and in place. Hoist for this gate is now being installed. No. 6 Penstock Gate is being assembled and riveted. Painting of the interior of No. 5 Penstock is nearly completed and will be finished sometime before the Turbine is ready for use.

In general all these Jobs are progressing satisfactorily. The Foundation Company now have one-hundred men on their payroll and are adding more men as fast as they can be used to advantage. Labor is plentiful.

Signed

[Signature]
PROGRESS REPORT ON CONSTRUCTION JOBS.    July 1, 1921.

JOB 1051 WATER WHEELS. Supports are being erected for placing the gate on #6 Tail Race and the bark is being dragged away from the end of the Tail Race.

JOB 1052 BOILER HOUSE. The Ash Tank has been put in operation in its new location.

Piles have been driven on "EF" Line for piers #7 to #12 inclusive inside the Boiler House. Piles are being driven on "G" Line. Cutting Fan House foundations on "G" Line is being continued.

On the Old Coal Trestle ten bents have been removed and their supporting piers are being leveled to facilitate teaming excavated material.

Excavation of footings has been completed for the New Coal Trestle south of the Coal Conveyor Tunnel, concrete for five footings has been poured, and three bents have been erected. Ashes are being dumped in readiness to receive track leading on to the New Trestle.

JOB 1056 HERBSTUCK-HEAD GATES. Gate is completed except for painting in readiness for placing in position.

Signed

[Signature]

E.A.A.
JOB 1051 WATER WHEELS. Two draft tubes have been lowered into No. 5 Tail Race.

JOB 1052 BOILER HOUSE. Ash Tank was started toward its new location this morning and should be in place Monday forenoon.

Piles are all driven in piers #9, #10 and all in row "F" and #12 in this row will be driven to-day. Cutting Fan House foundation for driving piles in "G" row piers.

New Coal Trestle completed as far as Conveyor Tunnel. Millwrights are framing the remainder of this Trestle and the Mill Crew is to start concreting five footings beyond the tunnel to-day.

Rails have been taken up from abandoned section of old Coal Trestle. Shoveling coal from under this section and will start tearing it down Monday.

Last car of pipe piles has been received and is being unloaded.

JOB 1056 PENSTOCK HEAD GATES. Gate has been assembled and is partly riveted. Caulker to arrive Monday to finish the plate work.

Signed

[Signature]

FORM 2A
PROGRESS REPORT ON CONSTRUCTION JOBS.

June 18, 1921.

JOB 1051 WATER WHEELS. Four draft tubes have been received and are being unloaded to-day. Two of these will be lowered in to No. 5 Tail Race immediately.

JOB 1052 BOILER HOUSE. Building skid-way for moving Ash Tank. New Ash Tank foundations completed. Floor and roof of Fan House were shored last Sunday and chases have been cut through the brick work. Now cutting out concrete foundation for driving piles which comes in this row. Driving 16" pipe piles in row "F" in front of No. 4 Boiler. New Coal Trestle bents erected and braced as far as Conveyor Tunnel. Stringers and ties are being placed on this work to-day. Concrete floor under new Trestle has been carried as far as Conveyor Tunnel. Concrete Coal Conveyor Tunnel Extension has been concreted and about one-half the forms stripped. Now scraping coal from East side of old Trestle and shoveling from under Trestle preparatory to it's removal. Foundation Company are this morning scraping coal from the site of the new Crusher House.

JOB 1056 PENSTOCK HEAD GATES. New gate guides are erected and three columns for the rack frame set on their anchor bolts. Erecting structural steel frames for racks to-day.

Signed 40B

Portland Company advise shipment of first gate to-day.
PROGRESS REPORT ON CONSTRUCTION JOBS.  

June 11, 1921.

JOB 1051 WATER WHEELS.  Forms are removed from #5 Water Wheel foundation and we have discontinued pumping from the Tail Race until the Wheel arrives.  Diver is putting gate guides on #6 Tail Race to-day.

JOB 1052 BOILER HOUSE.  Pile driving for Ash Tank foundation is completed.  Ash Tank anchor bolts have been cut out from the concrete ready for moving.  Three holes are cut through concrete ready for pile driving on "C" line columns.  Cutting out Fan House wall to-day for other foundations in "C" line columns.  Three bents of Coal Trestle are erected complete, seven more bents will be erected to-night.  This is all the Trestle bents north of the Conveyor Tunnel.  Mill Crew concreting floor between Trestle bents to-day.  Five-eighth length of the new Conveyor Tunnel is concreted and forms for the balance will be completed to-night.

JOB 1056 PENSTOCK HEAD GATES.  Coffin Dam for #5 Penstock is completed and unwatered.  Drilling to-day for anchor bolts in rock wall.

Signed

[Signature]
PROGRESS REPORT ON CONSTRUCTION JOBS

June 4, 1921.

JOB 1051 WATER WHEELS. The new pier for No. 5 Water Wheel is concreted complete. New concrete pier for East bearing completed. Concrete for west bearing now going into the forms. This completes foundation work for this unit. Diver is working in Generator Tail Race preparing to put on gate guides for unwatering.

JOB 1052 BOILER HOUSE. Practically all column foundations in the old Boiler House are ready for pile driving. Foundations for Ash Tank in new location are ready for pile driving and pile driver is being moved on the job to-day. One car load of pipe for piles is being unloaded this morning. Expect to start driving piles in Ash Tank foundation Monday.

Good progress is being made in moving coal from Boiler House site and from new coal trestle location. Footings for new coal trestle will be completed as far as the conveyor tunnel to-night. Three timber bents of new coal trestle erected and braced. The Foundation Company have grading all done ready to concrete foundation and floor of conveyor tunnel extension.

JOB 1056 PENSTOCK HEAD GATES. Coffer Dam has been sunk in place, sheet piling completed and concrete seal placed around it yesterday. Diver will start corking leaks in this Coffer Dam Sunday morning. We expect to commence unwatering this Coffer Dam Monday.

Two car loads of Cast Iron Pipe and Fittings for the new 16" Suction Line from Ferguson Pond to the Fire Pumps are received and being unloaded to-day. Moore & Company are using the balance of their crew excavating trench for this pipe line.
JOB 1051 WATER WHEELS. Old #5 Water Wheel is entirely removed, the foundation wall cut down, wheel pit floor removed, tail race unwatered, form for new concrete pier under wheel is built and sealed down. Carpenters are completing the top of this form and building floor forms.

JOB 1052 BOILER HOUSE. Two cars loaded with Contractor's equipment for Boiler House arrived and being unloaded this morning. Stoker drive shaft has been moved out of the way and concrete floor removed ready for driving piles under four columns, inside of Boiler House. Concrete now is being removed for four additional column foundation. Work on changes in air ducts to old stokers now underway. Outside and East of the Boiler House concrete is being removed preparatory to driving piles for new foundations for Ash Tank. This week we took men from the Water Wheel Job and put them on to the forms and concrete necessary for completion of Coal Trestle Abutment. Concreting East wing wall from this Abutment will be completed to-night. Retaining wall between new Abutment and old Trestle will be concreted Tuesday. The Mill crew will have footings and piers for four bents of Coal Trestle completed to-night. Carpenters are framing lumber for new Coal Trestle. One Coal Scraper is making good progress removing coal for the extension of the Coal Conveyor Tunnel.

JOB 1056 PENSTOCK HEAD GATES. Work is progressing favorably on the new Gate for No. 5 Penstock. Safe Guards for the Diver are all installed, the Coffer Dam framed and sunk in place this morning. Sheet piling of this Coffer Dam will start at once. Structural Steel for rack frames, gate guides, etc., for three Gates has been received and landed on the Job.

The worst handicap we face to-day is the amount of coal which must be rehandled. Fair progress is being made on this work but arrangement should be made if possible, so that no more coal will be delivered the Millinocket Mill before July 15th.

Signed T. C. B.