

NORTHERN PACIFIC RAILWAY COMPANY

AUTHORITY FOR EXPENDITURE

1922

Year: **1922**



Superintendent

Mech. Dept. No. **2098**
Engineering Dept. No.

A. F. E. No. **93**

St. Paul

Div. 3

District State **Minn.**
Branch

Val. Sec. No. **6**

AUTHORITY IS REQUESTED FOR A NET EXPENDITURE OF \$ **308**

Accounting distribution as follows: (Distribution to be made in General Office.)

	Operating Expenses	Profit and Loss	Net Operating Expenses	Net Profit and Loss
Cost of property retired	\$	\$	\$	\$
Value of salvage				
Incidental costs				
Total to Operating Expenses				
Total to Profit and Loss				
To Material and Supplies				
To Bills for Collection				
To Other Accounts				
Net charge to investment account—Additions and Betterments				308
Total of distribution				\$ 308

Budget reference: **Not in budget**

Class of Work: No. **22.**

Joint facility contract reference:

The location is on this company's property. To secure rights, it will be necessary

Location: **Chem Laboratory.**

Title and Reason: **Purchase Calorimeter and Thermometer.**

The Calorimeter in the Chemical Laboratory for making determinations of heating value of coals has been in service since sometime prior to 1912 and is now obsolete.

In the analyses of coal an accurate determination of heating value or B.T.U. per pound is most essential. Such results cannot be obtained with the present instrument; consequently it is necessary to purchase a modern reliable instrument or have the work done by a consulting laboratory. This instrument is particularly essential at this time in connection with the test of coal being made on the new boilers at Laurel.

Purchase Under charge of Engineer of Tests.

~~Work to be done by...~~

Checked and Entered
President's Office

Accounting to concentrate in the office of **District Storekeeper**

Signature and Title: **General Mechanical Superintendent.** Date **January 25, 1922**

APPROVED:

General Superintendent.	Prin. Asst. Engr. or Engr. Maint. of Way.	Assistant General Manager.
Mech. Supt., Supt. Telgh. or Signal Engr.		
Chief Engineer.	General Manager.	Vice President.
General Auditor or Comptroller.	President.	Date of Final Approval

COMPTROLLER'S RECORD OF NOTICE OF APPROVAL AND OF COMPLETION

Form No. 1345 issued **FEB 8 1922** Work begun **19** Work finished **FEB 29 1922**