



STATE OF MONTANA, NATURAL RESOURCE DAMAGE PROGRAM

PROGRESS REPORT FORTY-EIGHT

for the

BUTTE-SILVER BOW GROUNDWATER RESTORATION PLAN – 2014 FINAL PLAN

NRDP Agreement No. 800007

JULY - SEPTEMBER 2022

**City and County of Butte
Public Works Department
Water Utilities Division
124 West Granite Street
Butte, MT 59701**

BUTTE SILVER BOW
GROUND WATER RESTORATION PLAN – 2014 FINAL PLAN

NATURAL RESOURCE DAMAGE PROGRAM

UCFRB RESTORATION FUND GRANT
NUMBER 800007
INTRODUCTORY LETTER AND PROGRESS REPORT



THE CITY-COUNTY OF Butte-Silver Bow

Department of Public Works
Angie Mullikin, Budget and Grants Manager
Ph: 406-497-6530 E-Mail:
amullikin@bsb.mt.gov

November 30, 2022

Meranda Flugge
Program Specialist
Natural Resource Damage Program
1720 9th Avenue
Helena, MT 59620

Dear Meranda,

Swank Enterprises began construction of the Basin Creek Water Treatment Plant in June of 2015 and completed this project in May 2017. Upgrades to the Telemetry system continue and variable frequency drives and soft start work at the Big Hole Treatment Plant were completed in December of 2015. The South Side Pump Station was completed in December of 2016 and went in service in May of 2017 when the Basin Creek Water Treatment Plant was completed. The water meter program is on-going and will continue to December of 2022.

This report represents our forty-eighth progress report in accordance with the Natural Resource Damage Program Agreement 800007 and request for payment against our grant balance. This report covers the period of July through September 2022. The Final Plan Expenditure Summary reflects the new budget based on what was approved on December 11, 2019. Enclosed you will find a progress report and cost detail as well as the progress invoice for reimbursement. If you have any questions regarding the attached information, please contact me at (406) 497-6530.

Butte-Silver Bow would like to take this opportunity to express our sincere appreciation to the State of Montana Natural Resource Damage Program for continued support. With these grant funds, Butte-Silver Bow is able to construct an important asset to our water infrastructure and the community.

Sincerely,

Angie Mullikin
Butte Silver Bow Public Works

ATTACHMENT D

1. **PROJECT:** 2014 Final Plan
2. **CONTRACT NUMBER:** 800007
3. **REPORT PERIOD:** July – September 2022
4. **REPORT DATE:** November 30, 2022
5. **PREPARED BY:** Angie Mullikin, Butte-Silver Bow Public Works
6. **ACTIVITY SUMMARY**

Task 1: Complete land acquisition/easement requirements needed for construction – property acquisitions required for the Basin Creek Water Treatment Plant and the South Side were completed in 2015.

Task 2: Design, permit and seek authorization to bid improvements – The design, permitting and bidding for Improvements 1-A through 1-F have been completed.

Task 3: Bid Material costs and construction improvements – Butte-Silver Bow competitively procured consulting engineering services and used in-house personnel to bid and purchase the materials required to substantially complete the construction of Improvements 1-A through 1-E. BSB personnel are working on completing Improvement 1-F for the water meters, with the purchase and installation of meters expected to continue as through the end of the contract term.

Task 4: Monitoring – monitoring for regulatory compliance with the EPA/DEQ regulations continues, as well as the periodic review of energy savings, system flow, and leak repair/maintenance records.

7. **EXPENDITURES SUMMARY:**

See attached - 2014 Final Plan Expenditures Summary Sheet

8. **REQUEST FOR PROPOSED AMENDMENTS TO GRANT AGREEMENT: NONE**

9. **NEXT QUARTER'S ACTIVITIES:** Butte-Silver Bow personnel are working to close out the contract with HDR for the construction of the Basin Creek Water Treatment Plant and will work on closing out any punch list items. BSB will continue to install water meters until the term of the contract expires.

10. **BUTTE WATER RESTORATION PROJECTS UPDATES:**

A. BASIN CREEK WATER TREATMENT PLANT: Butte-Silver Bow substantially completed the treatment plant and placed the plant into service May 16, 2017. Butte-Silver Bow received the final O & M manuals.

B. TELEMETRY AND CONTROLS: Butte-Silver Bow has substantially completed this task.

C. CO2 FEED AT THE BIG HOLE WATER TREATMENT PLANT: Butte-Silver Bow completed this project in December of 2015.

D. BASIN CREEK TO COLORADO HILL PUMP STATION: Butte-Silver Bow completed this project in December of 2016. The Pump Station was placed into active service in May of 2017 when the Basin Creek Water Treatment Plant went into active service. The remaining item with this project is a SCADA upgrade to be able to shut the pump station off from a remote location if the Basin Creek Plant shuts down.

E. WATER SERVICE METERS: Butte-Silver Bow will continue to install meters for flat rate customers upon request. The four gateway units for the Neptune 360 system were activated on September 16, 2021. BSB is building the data base for the meters that are being picked up with the real time radio-read system. This project has been successful in picking up a majority of the meters on the system.

2014 Final Plan Progress Billing #48 Summary

Basin Creek Water Treatment Plant 1-A	\$	-
Telemetry and Controls Update - 1-B	\$	-
CO2 Feed at Big Hole WTP - 1-C	\$	-
VFD's and Soft Start at Big Hole WTP 1-D	\$	-
Basin Creek to Colorado Hill Pump Station	\$	-
Water Meter Upgrade Program 1-F	\$	10,700.28
Total Progress Billing #48	9/30/2022	\$ 10,700.28

(Supporting documentation by project attached)