



COLORADO

**Colorado Water
Conservation Board**

Department of Natural Resources
1313 Sherman Street, Room 718
Denver, CO 80203

WSRF – Gunnison – WSRF & Water Plan Grant
Governor Basin Restoration Project
POGG1 2020-2429

November 14, 2019

Uncompahgre Watershed Partnership (UWP)
Attn: Scott Williams, UWP Treasurer
Ashley Bernbenek, UWP Tech Coordinator
P.O. Box 392
Ridgway, CO 81432

Dear Grantee:

We are pleased to inform you that the Colorado Department of Natural Resources, Colorado Water Conservation Board (CWCB) has approved your request for funding for your project pursuant to the WSRF and Water Plant Grant Programs (“Program”). This letter authorizes you to proceed with Governor Basin Restoration Project (“Project”) in accordance with the terms of this Grant Award Letter.

Attached to this letter are the terms and conditions of your Grant. Please review these terms and conditions, as they are requirements of this Grant to which you, Uncompahgre Watershed Partnership (UWP), agree by accepting the Grant Funds.

If you have any questions or concerns regarding the project, please contact Chris Sturm, Project Manager at 303-866-3441 or at Chris.Sturm@state.co.us. Please send all grant correspondence directly to Megan and cc me on your invoice billing requests.

Thank you.

Sincerely,

//s//

Doriann Vigil
Program Assistant II
O 303-866-3441 ext. 3250
1313 Sherman Street, Rm. 719, Denver, CO 80203
Dori.vigil@state.co.us / cwcb.state.co.us





STATE OF COLORADO
Department of Natural Resources

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ORDER		*****IMPORTANT*****				
Number:	POGG1,PDAA,202000002429	The order number and line number must appear on all invoices, packing slips, cartons, and correspondence.				
Date:	11/14/19	BILL TO				
Description:	PDAA WSRF & WP_GovBasinRestore_GunnisonRiverBasin	COLORADO WATER BOARD CONSERVATION 1313 SHERMAN STREET, ROOM 718 DENVER, CO 80203				
Effective Date:	11/15/19	SHIP TO				
Expiration Date:	11/15/24	COLORADO WATER BOARD CONSERVATION 1313 SHERMAN STREET, ROOM 718 DENVER, CO 80203				
BUYER		SHIPPING INSTRUCTIONS				
Buyer:		Delivery/Install Date: -				
Email:		FOB: FOB Dest, Freight Allowed				
VENDOR						
UNCOMPAHGRE WATERSHED PARTNERSHIP PO BOX 392 RIDGWAY, CO 81432-0392						
Contact:	.					
Phone:	.					
VENDOR INSTRUCTIONS						
EXTENDED DESCRIPTION						
Line Item	Commodity/Item Code	UOM	QTY	Unit Cost	Total Cost	MSDS Req.
1	G1000		0	0.00	\$31,100.00	<input type="checkbox"/>
Description: PDAA 2500 WSRF _GovBasinRestore_GunnisonRiverBasin						
WSRF FUNING \$31,100.00						
Service From: 11/15/19		Service To: 11/15/24				
Line Item	Commodity/Item Code	UOM	QTY	Unit Cost	Total Cost	MSDS Req.
2	G1000		0	0.00	\$33,250.00	<input type="checkbox"/>
Description: PDAA WATER PLAN _GovBasinRestore_GunnisonRiverBasin						
WATER PLAN FUNDING - \$33,250.00						
Service From: 11/15/19		Service To: 11/15/24				
TERMS AND CONDITIONS						
https://www.colorado.gov/pacific/osc/small-dollar-grant-award-terms-conditions						



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DOCUMENT TOTAL = \$64,350.00

EXHIBIT A - Scope of Work

GRANTEE :

Uncompahgre Watershed Partnership (UWP)

PRIMARY CONTACT

Ashley Bembenek (UWP technical coordinator) and Scott Williams (UWP treasurer)

ADDRESS

PO Box 392
Ridgway, CO 81432

PHONE

Ashley: 970-251-0029
Scott: 970-626-2599

PROJECT NAME

Governor Basin Restoration Project

GRANT AMOUNT

\$64,350 (33,250 from Colorado Water Plan and \$31,250 from Water Supply Reserve Fund).

INTRODUCTION AND BACKGROUND

Governor Basin is impacted by waste rock and tailings from the Terrible and Virginius mines which leach metals that impair water quality, downgradient aquatic and terrestrial habitat, and watershed health. During the restoration project, waste rock and tailings will be capped and covered. Drainage channels will be constructed to capture and divert flow away from mine waste and tailings. Soil amendments and a custom high alpine seed mix will be used to revegetate the restoration area.

The Governor Basin restoration project will improve water quality, aquatic habitat, and watershed health by mitigating the effects of legacy mining activities; and reduce human-health risks to recreational users.

The restoration area is approximately 7.6 acres. The restoration project will benefit riparian and aquatic habitat, water quality, and overall watershed health for an estimated 8 miles of downstream waters in Governor, Sneffels, and Canyon creeks.

OBJECTIVES

The objectives of the Governor Basin Restoration Project are to

- 1) isolate metal-rich and acidic mine waste from surface waters using a cap and cover strategy;
- 2) improve water quality in Governor Creek, and in Sneffels Creek to the confluence with Canyon Creek;
- 3) improve aquatic habitat by reducing runoff of metals-laden sediment;
- 4) restore alpine and riparian vegetation within the project area; and
- 5) monitor environmental conditions pre and post-project to evaluate outcomes.

TASKS

TASK 1 – Design, Engineering, and Permitting

Description of Task

- Confirm landownership
- Finalize conceptual design
- Create an engineered design
- Project permitting

Method/Procedure

- Confirm landownership ownership: In late 2017 OSMI hired a licensed surveyor to stake property boundaries. USFS staff need to confirm the landownership status; they plan to review the boundaries in late 2019 and early 2020.
- Finalize conceptual design with project partners including OSMI, DRMS, CDPHE, and the USFS. This will be accomplished in 2019 and 2020 as part of UWP's regularly scheduled technical committee meetings.
- Create an engineered design: hire a professional engineer to finalize the conceptual design in close consultation with project partners. The engineer will be retained by UWP in early 2020.
- Permitting: Because a portion of the project occurs on USFS lands, CERCLA analysis is required.

Deliverable

- Copy of final landownership map.
- Copy of the final engineered design
- Copy of required permits, project approvals, and associated documents.

TASK 2 – Construction and Implementation

Description of Task

- Bid project and select contractors
- Contract management and invoicing
- Mobilization and demobilization
- Erosion controls

- Excavate waste rock
- Place cover materials
- Grade and fill to direct drainage
- Construct drainage channels
- Low water crossing
- Grading and seed bed preparation
- Amendments, seed, and cover materials
- On-site project manager
- Lodging for project manager
- Project manager mileage

Method/Procedure

- Bid project and select contractors: UWP will work closely with project partners to a select qualified contractor(s) and assure that the project bids include appropriate erosion control materials, cover materials, soil amendments, and seeds.
- Contract management and invoicing: UWP will manage contracts and invoices from the construction contractor(s).
- Mobilization and demobilization: Provided as an in-kind service by OSML. A dozer and excavator will be mobilized from the Revenue-Virginus mine site or Ouray.
- Project construction will be completed per the terms of the engineered design. Any deviations will be thoroughly documented.
- On-site project manager: UWP staff will supervise activities on-site, document project milestones, communicate with the public, and complete daily inspections to assure that construction activities are proceeding as planned.
- Lodging for project manager: UWP board members will donate lodging for the duration of the construction project.
- Project manager mileage: UWP will reimburse staff for mileage to and from the project site.

Deliverable

Progress reports to CWCB will document project implementation activities. UWP staff will update CWCB on progress during construction in invoices, and semi-annual reports. The final report will document the construction process in its entirety.

TASK 3 – Monitoring and Evaluation

Description of Task

- Develop monitoring and evaluation plan
- Vegetation and erosion evaluations
- Water quality monitoring
- Laboratory analysis costs

All monitoring will continue twice per year for one year prior to the project and three years after project implementation. After the first three years, vegetation and erosion monitoring will continue biennially for an additional 7 years (in years 4, 6, 8, and 10 post-project).

Method/Procedure

- Develop monitoring and evaluation plan: UWP staff will develop a monitoring and evaluation plan in early 2020. Monitoring will occur for one year prior to the project and for three years after the project has been completed.
- Vegetation and erosion evaluations: UWP staff will evaluate vegetation the restoration area and at an appropriate reference site adjacent to the project area. Vegetation monitoring will occur once per year, typically in mid-August. At a minimum, the vegetation monitoring program will include species identification and percent cover estimates. Erosion monitoring will be conducted weekly during construction and annually for three years following construction. During construction, erosion monitoring will be used to evaluate the effectiveness of erosion control measures. Following construction, erosion monitoring will be used to determine whether follow-up actions are required.
- Water quality monitoring: monitoring will occur during high and low flow conditions the year prior to construction and for three years following construction.
- Lab analysis costs; water quality samples will be analyzed for all 303(d) listed parameters and hardness.
- Monitoring reports: data will be summarized in bi-annual reports and to evaluate project outcomes.

Deliverable

- Monitoring and evaluation updates included in semi-annual reports.
- All monitoring data included in final report.

Monitoring and evaluation information will be updated on an on-going basis until the monitoring period has been completed. A final report will document the evaluation of project outcomes in their entirety.

TASK 4 – Project Communication and Administration

Description of Task

This task involves all items related to coordination and administrative tasks for the restoration project, including project updates and reporting requirements for grants received, and public outreach and communication efforts.

Method/Procedure

Project administration and coordination will be led by UWP. UWP will manage all grant reporting for the Governor Basin Restoration Project.

UWP will also manage public outreach and communication to support successful education and outreach related to the project. We plan to update the community at three public meetings during the project.

Deliverable

Timely grant reporting and updates on public outreach and communication related to the project. All press releases, newspaper articles, or presentations will be provided to CWCB in the final grant report.

REPORTING AND FINAL DELIVERABLE

Reporting: The applicant shall provide the CWCB a progress report every 6 months, beginning from the date of the executed contract. The progress report shall describe the completion or partial completion of the tasks identified in the statement of work including a description of any major issues that have occurred and any corrective action taken to address these issues.

Final Deliverable: At completion of the project, the applicant shall provide the CWCB a final report that summarizes the project and documents how the project was completed. This report may contain photographs, summaries of meetings and engineering reports/designs.

EXHIBIT B - BUDGET & SCHEDULE
Governor Basin Restoration Project Budget & Timeline Table

Task	Description	Target Start Date	Target Completion Date	CWCB Funds CO Water Plan	CWCB Funds WSRF	Other Funding Cash ¹	Other Funding In-Kind ²	Total
1	Design, Engineering, and Permitting	11/15/2019	11/15/2024	\$28,500.00	\$8,600.00	\$2,500.00	\$6,000.00	\$45,600.00
2	Construction and Implementation	11/15/2019	11/15/2024	\$0.00	\$19,400.00	\$42,500.00	\$76,500.00	\$138,400.00
3	Monitoring and Evaluation	11/15/2019	11/15/2024	\$0.00	\$2,100.00	\$33,700.00	\$0.00	\$35,800.00
4	Project coordination and administration	11/15/2019	11/15/2024	\$4,750.00	\$1,000.00	\$0.00	\$0.00	\$5,750.00
	TOTALS			\$33,250.00	\$31,100.00	\$78,700.00	\$82,500.00	\$225,550.00

Notes

1. Other cash funding is provided by the Natural Resource Damages Fund (\$76,200) and UWP (\$2,500).
2. Includes in-kind funding from UWP (\$8,750) and Ouray Silver Mines Inc (\$73,750)