

City of Green River
City Council Meeting
Agenda Documentation

Preparation Date: March 28, 2022	Department: Public Works
Meeting Date: April 5, 2022	Department Head: Mark Westenskow
	Presenter: Mark Westenskow

Subject:

Environmental Services Proposal with Inberg Miller Engineers for Closed Landfill Monitoring

Background/Alternatives:

The City entered into a Landfill Engineering Services Agreement with Inberg Miller Engineers (IME) in 2009. Since that time, IME has provided landfill groundwater monitoring and closure permitting assistance to the City. The current proposal would retain IME to perform the annual required landfill groundwater monitoring in compliance with the City's DEQ reporting requirements.

Attachments:

Environmental Services Proposal

Fiscal Impact:

The current proposal would authorize \$12,500 for groundwater monitoring and inspections of the closed landfills. Funds will be drawn from remaining Solid Waste Fund programs.

Staff Impact:

Staff from the Engineering and Utilities Division will coordinate quarterly landfill groundwater testing.

Legal Review:

Complete

Suggested Motion:

"I move to approve Environmental Services Proposal with Inberg Miller Engineers for \$12,500, and authorize the Mayor to sign the Proposal."



INBERG-MILLER ENGINEERS

Casper | Cheyenne | Douglas | Gillette | Green River | Riverton

March 16, 2022

5541-RW

5 PDF PAGES EMAILED: mwestenskow@cityofgreenriver.org

THIS CONSTITUTES THE ORIGINAL

Mark Westenskow, Public Works Director
City of Green River
50 East 2nd North
Green River, WY 82935

RE: ENVIRONMENTAL SERVICES FOR
GREEN RIVER LANDFILL (SHWD #10.255 & #10.256)
GREEN RIVER, WYOMING

Dear Mr. Westenskow:

We are pleased to submit this proposal for performing environmental services for the above-referenced project.

PROJECT DESCRIPTION

Closed Landfill (#10.256)

Semi-annual inspections are required to document closure conditions of the old landfill.

Existing Landfill (#10.255)

Groundwater sampling and monitoring is required to be performed on a semi-annual basis with statistical analysis performed after each event in accordance with the WDEQ-SHWD Minor Permit Change Letter dated June 28, 2012. Closed landfill inspections are required for the newly closed landfill to document closure conditions of the landfill and will be completed during semi-annual sampling events.

SCOPE OF SERVICES

Closed Landfill (#10.256)

Semi-annual inspections are required to document closure conditions of the old landfill. We will perform the closure observations during scheduled sampling events.

Existing Landfill (#10.255)

Environmental Monitoring

We propose to continue to collect groundwater samples and submitting the samples for analytical testing from the four monitoring wells (IME-10, IME-11, IME-12, and IME-13) and one existing monitoring well (IME-7), if it produces enough water, for the required Appendix C inorganics in April and Appendix C inorganics and Appendix A parameters in October. Samples will be submitted directly to Energy Laboratories for testing. The testing costs will be billed to the City of Green River directly by Energy Laboratories. We will also measure for the presence of methane in the monitoring wells. A report on each sampling event will be prepared with field notes, methane monitoring data,



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groundwater elevation data, site hydrograph, potentiometric map, site map, analytical data summary tables, and laboratory reports. A PDF version of this report, along with the electronic file version of the chemical analyses and groundwater elevations will be emailed to you for review, and upon your approval, will be sent to the Wyoming Department of Environmental Quality-Solid and Hazardous Waste Division (WDEQ-SHWD).

We propose compiling the data and performing a statistical analysis of the groundwater for each event. This phase of the project will include requiring a renewal of the Sanitas license for the Green River Landfill. A statistical report will be prepared and will include conclusions about any impacts the landfill may have had to groundwater. Our conclusions will be based upon the statistics, data reliability, groundwater flow direction, seasonal variations, and our experience.

Semi-annual inspections are required to document closure conditions of the landfill. We will include inspection of the closed landfill during our site visits for the environmental monitoring in order to provide the necessary documentation as to the performance of the closure.

FEES

Our fee for services performed will be charged at our current hourly, unit, and expense rates. We estimate the cost of the proposed scope of services described above to be as follows:

Environmental Services Fiscal Year 2022-2023

Tasks	Units	Estimated Fees
<i>Closed Landfill-#10.256</i>		
1. Semi - annual inspections ¹	2 events at \$750.00	\$1,500.00
<i>Groundwater Sampling and Analytical Testing-#10.255²</i>		
1. Sample and Semi-Annual Reporting for 5 Monitoring Wells in <i>October of 2022 and April of 2023</i> , methane monitoring for 14 monitoring wells	2 events at \$3,400.00	\$6,800.00
2. Statistical Analysis and Report for <i>October 2022 and April 2023</i> sampling events	2 events at \$1,200.00	\$2,400.00
3. Annual Sanitas License Maintenance Fee	1 event at \$300.00	\$300.00
Semi - annual inspections of closed landfill cover ¹	2 events at \$750.00	\$1,500.00
<i>Estimated Total</i>		<i>\$12,500.00</i>

¹ Coordinated with sampling events.

² Analytical testing costs will be billed by Energy Laboratories directly to the City of Green River.

If services in addition to the proposed scope of services appear necessary, we will perform such services at additional cost.

PERFORMANCE SCHEDULE

Upon receipt of a properly executed copy of this proposal, we will be available to continue to perform professional services.

CLOSURE

We appreciate the opportunity to submit this proposal. Upon receipt of the signed proposal under our July 1, 2009 Service Agreement, we will proceed with the services described. If you have any questions, please contact our office at (307) 577-0806.

Sincerely,

INBERG-MILLER ENGINEERS



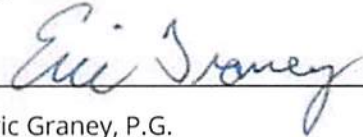
Jamie Kuklok
Environmental Scientist

JDK:ETG:bb\p:\5541-ge city of green river green river landfill\5541 green river lf permitting\contracts\5541 2010 contract-current\2022\5541-rw Proposal 2022.docx

Enclosure: Schedule of Fees & Available Services

Inberg-Miller Engineers

City of Green River

Signature: 
Print Name: Eric Graney, P.G.
Title: President
Date: March 15, 2022

Signature: _____
Print Name: _____
Title: _____
Date: _____



INBERG-MILLER ENGINEERS

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SCHEDULE OF FEES & AVAILABLE SERVICES

EFFECTIVE APRIL 1, 2022

PERSONNEL

Project Support/Administration	\$80.00 /Hour
Engineering Technician/Survey Technician I-II.....	\$80.00 to \$90.00 /Hour
CAD Drafting Technician	\$105.00 /Hour
Staff Engineer/Scientist I-II-III	\$90.00-\$100.00-\$110.00 /Hour
GPS Technician/Party Chief I-II-III.....	\$90.00-\$100.00-\$110.00 /Hour
2-Person Survey Crew.....	\$160.00 /Hour
Drilling Manager	\$110.00 /Hour
Project Manager I-II.....	\$110.00 to \$135.00 /Hour
Professional Land Surveyor I-II	\$135.00 to \$165.00 /Hour
Professional Engineer/Scientist I-II-III	\$140.00-\$160.00-\$180.00 /Hour
Principal.....	\$200.00/Hour

VEHICLE

Vehicle.....	\$8.00 /Hour	\$50.00 /Day, plus \$1.50 /Mile*
One-Ton Flat Bed Truck	\$10.00 /Hour	\$60.00 /Day, plus \$2.00 /Mile*
Drill Rig		\$3.00 /Mile*

*** Fuel Surcharge:** Mileage rate is based on fuel prices as of April 2022 (Source: wyominggasprices.com). If fuel prices increase over 10% from April 2022 rates, the percentage of increase will be added to all mileage rates.

EXPENSES

Additional Hard Copies of Bound Reports (Less Than 100 Pages).....	\$35.00 /Copy
Motel, Meals, Per Diem, Prints, Postage, Equipment Rental, Photocopies, and Other Miscellaneous Supplies	Direct Expense, Plus 15%
Subconsultant Services Secured with Client's Approval	Direct Expense, Plus 15%
All Other Equipment and Materials Not Listed	BY QUOTATION

NOTES:

- All field charges begin at the time of departure and terminate at the time of return to the point of origin and/or place of lodging while away from the principal office, less time off for the convenience of the personnel.
- At the client's request, or convenience, an overtime rate of 1.5 times personnel rate will be applied when services are required before 7:00 AM and after 7:00 PM weekdays and for all hours on weekends, and 2.0 times for any holidays.
- **Inberg-Miller Engineers will prepare an estimated budget for services based upon the client's detailed scope of services, if requested. Please be informed that project management and project support costs are a necessary part of any services provided. Final invoiced amounts may vary from estimated amounts depending on variations in scope, time of performance, and/or changes in anticipated conditions. Any items not specifically listed are by quotation.**

Payment is due upon presentation of invoice and is past due 30 days from invoice date. A finance charge of one and one-half (1½) percent per month, or the maximum rate allowed by law, will be assessed against the unpaid balance. All credit card transactions will be assessed a 4% surcharge.



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CIVIL ENGINEERING..... BY QUOTATION

- Highway Design, Street Design, Grading and Drainage Design
- Solid Waste Planning; Landfill, Baler, and Transfer Station Design and Permitting
- Water System Design, Sanitary Sewer Design, Storm Sewer Design
- Irrigation and Drainage Design, Hydrologic and Hydraulic Analysis
- Residential and Commercial Subdivision Design
- Site Design for Commercial Developments and Schools
- Spill Prevention Control and Countermeasure (SPCC) Plans
- Stormwater Pollution Prevention (SWPPP) Plans
- Mine Permitting and Mine Reclamation Design
- Construction Contract Administration and Construction Observation

GEOTECHNICAL ENGINEERING..... BY QUOTATION

FIELD SERVICES

- Subsurface Exploration, Contract Drilling, Direct Push Exploration, Rock Coring
- Drilling and Sampling (Small, Medium and Large Diameter Test Borings)
- Foundation Analysis and Design Recommendations
- Earth Dam & Reservoir Design and Reconnaissance, Slope Stability Analysis
- Explorations for Roadway; Borrow Sources and Aggregate Sources on Highway Construction
- Monitor Well Installation, Development, Purging, Sampling, Abandonment
- Field Sampling and Testing of Soil, Groundwater, and Air
- Ground Water Pumping/Drawdown Tests, Permeability/Density of In-Place Soil

LABORATORY SERVICES

- Moisture-Density Relations of Soils, Particle Size Analyses, Soil Index Tests
- Soil Classification, Strength Tests, Volume Change, California Bearing Ratio Test
- Triaxial Shear Strength Tests, Permeability Tests, Corrosivity Tests (Soil)
- Analytical Testing of Soil and Ground Water Samples, Packaging and Handling of Samples
- Mobile Laboratory
- Concrete and Asphalt Mix Designs

CONSTRUCTION MATERIALS TESTING AND OBSERVATION..... BY QUOTATION

FIELD AND LABORATORY SERVICES

- Soils/Aggregates, Portland Cement Concrete and Asphalt Concrete
- International Building Code (IBC) Special Inspection: Reinforced Concrete, Spray Applied Fire Proofing, Structural Masonry Inspection and Structural Steel

ENVIRONMENTAL ENGINEERING..... BY QUOTATION

- Solid Waste Disposal Design and Permitting
- Categorical Exclusions, Phase I, II, and III Site Assessments, Extent of Contamination Studies
- Soil and Groundwater Remediation Systems Design and Implementation
- Monitor Well Installation, Development, Purging, Sampling, and Abandonment
- Field Sampling and Testing of Soil, Groundwater, and Air
- Geologic Cross-Sections, Contaminant Isoconcentration Maps
- Asbestos, mold and lead-based paint sampling

LAND SURVEYING..... BY QUOTATION

- PROPERTY SURVEYS: Subdivision Platting and Mapping, Farm/Ranch Surveys, Cadastral Surveys, Boundary Retracement
- ENGINEERING SURVEYS: Topographic Surveys, Highway, Street, and Road Design Surveys, River and Flood Plain Cross-Sections
- UTILITY SURVEYS: Preliminary, Construction, and As-Built Surveys for Cross-Country Pipelines and Power Transmission Lines
- CONSTRUCTION SURVEYS: Highways, Utilities, Bridges
- MISCELLANEOUS: Mine Reclamation Surveys, Water Rights, Mining Claims
- ALTA/NSPS: Land Title Detailed Property Surveys
- UAV SERVICES: Insurance damage claims, real estate, advertising and marketing, surveying, aerial inspections (including but not limited to)