



County Of Siskiyou

Request for Proposals (RFP)

RFP # 22-01 – General Services, Sanitation Division

for

**LANDFILL WATER AND GAS MONITORING AND REPORTING
PROGRAM FOR SISKIYOU COUNTY LANDFILLS, AS WELL
AS ENGINEERING AND TECHNICAL REPORTING AS
NEEDED**

Proposals may be mailed, delivered, or emailed to:

Jason Ledbetter

Director of General Services
Department of General Services
Sanitation Division
190 Greenhorn Road
Yreka, CA 96097
jledbetter@co.siskiyou.ca.us

Proposals Due by:

01/17/2022

4:00 PM pst

County of Siskiyou
Request for Proposals
for **LANDFILL WATER AND GAS MONITORING AND**
REPORTING PROGRAM FOR SISKIYOU COUNTY
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The following schedule of events will be followed to the extent achievable; however, the County reserves the right to adjust or make changes to the schedule as needed.

Estimated Timeline of Events

Date	Activity
01/03/2022	Release of Request for Proposals (RFP)
01/10/2022	Deadline to Submit Questions
01/17/2022	Submission of Proposals due by 4:00 PM
01/21/2022	Review of Proposals
01/24/2022	Notification of Final Selection
04/12/2022	Professional Service Agreement Processed
07/01/2022	Professional Service Agreement Start Date

1.0 Preface

This Request for Proposals (RFP) announces the intent of the County of Siskiyou to retain the services of a consulting firm to provide engineering and consulting services to assist the County in compliance with Landfill groundwater, gas, and storm water monitoring and preparation of the related reports for the Black Butte, McCloud, Tulelake, Yreka, and Happy Camp Landfills.

2.0 Scope of Work

Services the successful Proposer will be expected to provide, include but are not limited to:

- Conduct and prepare quarterly, semiannual, and/or annual groundwater-monitoring reports, annual storm-water reports, and quarterly landfill-gas monitoring reports for the Black Butte, McCloud, Tulelake, Yreka, and Happy Camp Landfills. Provide cost estimates, updated Joint Technical Documents, and Engineering services necessary to comply with California State Water Board and Cal-Recycle reporting requirements as needed.
 - **Black Butte Landfill, WDR No. R5-2019-0032**
 - Semiannual Parameters
 - Groundwater Elevations
 - Temperature
 - Electrical Conductivity
 - pH
 - Turbidity
 - Total Dissolved Solids (TDS)
 - Chloride
 - Bicarbonate
 - Nitrate (as Nitrogen)
 - Sulfate
 - Calcium
 - Magnesium
 - Potassium
 - Sodium
 - Volatile Organics (EPA method 8260B, “short list”)
 - Five-Year Constituents of Concern (COCs)

- Dissolved Inorganics (aluminum, antimony, arsenic, barium, beryllium, cadmium, total chromium, cobalt, copper, iron, lead, manganese, mercury, nickel, selenium, silver, thallium, tin, vanadium, and zinc: cyanide and sulfide)
 - Volatile Organics (EPA method 8260B, “extended list”)
 - Semi-Volatile Organic Compounds (EPA Method 8270C)
- **McCloud Landfill, WDR No. R5-2003-0082**
 - Quarterly Parameters
 - Groundwater elevations
 - Semiannual Parameters
 - pH
 - EC
 - Temperature
 - Turbidity
 - Total Dissolved Solids
 - Alkalinity (bicarbonate and carbonate)
 - Chloride
 - Sulfate
 - Nitrate (as Nitrogen)
 - Calcium
 - Magnesium
 - Sodium
 - Potassium
 - Tannins & Lignins
 - Volatile Organics (EPA method 8260B, “short list”)

The Central Valley Regional Water Quality Control Board is planning to issue revised WDRs and this list of groundwater-monitoring parameters will likely change.

- **Yreka Landfill, WDR Nos. 93-83 and 89-68**
 - Quarterly Parameters
 - Groundwater Elevation
 - pH (field)
 - EC (field)
 - Temperature (field)
 - Turbidity (field)
 - Total Dissolved Solids
 - Chloride
 - Sulfate
 - Nitrate (as Nitrogen)
 - Calcium

- Magnesium
- Potassium
- Sodium
- Bicarbonate
- Carbonate
- Fluoride
- Hardness
- Chemical Oxygen Demand (COD)
- Volatile Organic Compounds by EPA 8260B (per EMP)
- Annual Parameters
 - Volatile Organic Compounds (EPA method 8260B)
 - Dissolved Inorganics (aluminum, antimony, arsenic, barium, beryllium, cadmium, total chromium, cobalt, copper, iron, lead, manganese, mercury, nickel, selenium, silver, thallium, tin, vanadium, and zinc: cyanide and sulfide)
- Five-Year COC Parameters
 - Semi-volatile Organic Compounds
 - Organophosphorus Pesticides
 - Chlorinated Herbicides

The Yreka (Oberlin) Transfer Station will continue to operate under the State General Industrial Storm Water Permit. County staff will perform four storm water sampling and observation events (as feasible), monthly non-storm-water observations, and an annual comprehensive inspection and review in June, and prepare the annual storm water report due July 15th. Additional monitoring requirements in the Yreka Landfills WDRs include collecting surface-water samples during January and April of each year, and analyze for the same general mineral constituents listed under groundwater monitoring above. Results of surface-water sampling will be presented in the groundwater-monitoring reports.

- **City of Tulelake Landfill, WDR No. R1-2004-0032**
 - Quarterly Parameters
 - Groundwater Elevations
 - Temperature (field)
 - pH (field or lab)
 - EC (field or lab)
 - Turbidity (field or lab)
 - Total Dissolved Solids
 - Bicarbonate Alkalinity
 - Carbonate Alkalinity
 - Hydroxide Alkalinity
 - Hardness
 - Chemical Oxygen Demand

- Nitrate (as Nitrogen)
- Chloride
- Sulfate
- Fluoride
- Calcium
- Magnesium
- Potassium
- Sodium
- Semiannual Parameters
 - Volatile Organic Compounds
- Annual Parameters
 - Siltation check in well casings
 - Dissolved metals (antimony, arsenic, barium, beryllium, copper, iron, lead, manganese, nickel, silver, thallium, vanadium, and zinc).
- Five-Year Parameters
 - Carbonate
 - Bicarbonate Alkalinity
 - “Long list” volatile organics (EPA method 8260), including MTBE
 - Semi-volatile Organics (EPA method 8270)
 - Organochlorine Pesticide, PCBs (EPA 8080)
 - Chlorophenoxy Herbicides (EPA method 8150)
 - Organophosphorus Compounds (EPA method 8141)
 - Dissolved Inorganics (aluminum, antimony, arsenic, barium, beryllium, cadmium, total chromium, cobalt, copper, iron, lead, manganese, mercury, nickel, selenium, silver, thallium, tin, vanadium, zinc, cyanide, and sulfide)

Groundwater levels at the Tulelake Landfill have been dropping over the last 20 years, and the groundwater-monitoring wells have been completely dry for the last few years. Groundwater will be analyzed for all required monitoring parameters if sufficient sample volume is obtained from the groundwater-monitoring wells.

- **Happy Camp Landfill WDR No. R1-2002-0055**
 - Quarterly Parameters
 - Groundwater Elevations
 - Semiannual Parameters-Groundwater
 - pH (field)
 - EC (field)
 - Temperature (field)
 - Turbidity (field)

- Total Dissolved Solids (TDS)
- Bicarbonate Alkalinity
- Carbonate Alkalinity
- Hydroxide Alkalinity
- Chemical Oxygen Demand
- Hardness
- Chloride
- Ammonia (as Nitrogen)
- Nitrate (as Nitrogen)
- Nitrite
- Total Kjeldahl Nitrogen (TKN)
- Sulfate
- Calcium
- Magnesium
- Potassium
- Sodium
- Manganese
- Volatile Organic Compounds including MTBE (EPA Method 8260B); long list 2nd quarter and short list 4th quarter
- Five-Year Constituents of Concern (COCs)-Groundwater
 - Dissolved inorganics (aluminum, antimony, arsenic, barium, beryllium, cadmium, total chromium, cobalt, copper, iron, lead, manganese, mercury, nickel, selenium, silver, thallium, tin, vanadium, and zinc; cyanide and sulfide)
 - “Long list” volatile organics (EPA method 8260B)
 - Semi-Volatile organic compounds (EPA Method 8270C)
 - Organophosphorus compounds (EPA method 8141A)
 - Chlorophenoxy herbicides (EPA method 8151A)
 - Organochlorine pesticides, PCBs (EPA method 8080)
- Parameters for First Month of Runoff, January, and March Surface-Water
 - pH (field or lab)
 - EC (field or lab)
 - Temperature (field)
 - Turbidity (field or lab)
 - Dissolved Oxygen (field or lab)
 - Total Dissolved Solids (TDS)
 - Total Suspended Solids (TSS)
 - Alkalinity
 - Bicarbonate
 - Carbonate
 - Hardness

- Chloride
- Ammonia (as Nitrogen)
- Nitrate (as Nitrogen)
- Nitrite
- Total Kjeldahl Nitrogen
- Sulfate
- Annual Parameters Surface-Water
 - Chemical Oxygen Demand (COD)
 - Total Organic Carbon (TOC)
 - Biological Oxygen Demand (BOD)
 - CAM 17 Metals

Additional monitoring requirements in the Happy Camp WDRs include surface-water monitoring to be conducted up to three times a year (during the first month of runoff, January, and March, as feasible). The Happy Camp Transfer Station will operate under the State General Industrial Storm Water Permit, County staff will perform four storm water sampling and observation events (as feasible), monthly non-storm-water observations, and an annual comprehensive inspection and review in June, and prepare the annual storm water report due July 15.

- **Landfill-Gas Monitoring**

- As per the landfill monitoring requirements in the California Code of Regulations, Title 27, Division 2, Subdivision 1, Chapter 3, Subchapter 4, Article 6, Sections 20920 through 20934. Perform quarterly perimeter gas monitoring and reporting for **Black Butte, Tulelake, and Yreka landfills**. All on-site structures to be monitored for the presence of methane. Soil Vapor pressure to be monitored in all wells using manometer before sampling. Sampling to be done using vacuum pumps designed for gas monitoring. Probes over 20 feet in depth to be pumped one well volume before sampling.

Proposers should feel free to include any other services not specified that they deem necessary to achieve the goals of this RFP.

3.0 Submission Requirements

Proposal Format: Proposals must contain the following:

1. Cover Letter

- a. Please provide the Proposer's name, address, and telephone number. The letter must be signed by a representative authorized to enter into contracts on behalf of the Proposer.

2. Qualifications

- a. Provide specific information concerning the Proposer's experience with the services specified in this RFP. Examples of completed projects, as current as possible, should be submitted as appropriate.

3. Company Profile

- a. Provide a brief description of your company, including business structure, address, the total number of employees, overall industry experience, certifications, affiliations, and relevant experience. Support your capacity to perform the services detailed in this RFP.

4. Approach:

- a. Provide an analysis of the methodology developed to perform all required services and your response to the scope of work as referenced above.

5. References:

- a. Please include at least three (3) references, including name, address, telephone number, and Email, for whom similar services have been provided.

6. Price Proposal:

- a. Provide a transparent fee schedule that outlines all of the costs associated with the required services, broken down by category of products and services, and all on-going costs for recommended or required services.

The proposal must include all requirements as listed and correlate to the Scope of Work outlined under this RFP.

Conflict of Interest: Proposer(s) shall disclose to the County any interest, direct or indirect, which could conflict in any manner or degree with the performance of service required. At the County's discretion, a potential conflict of interest, to the extent it is waivable, may be waived or factored into the final award decisions and/or a modified Scope of Work.

4.0 Selection Process

The proposals received in response to this RFP will be screened by a selection committee. The selection committee will consider only the proposals which have been considered responsive to the RFP. Any proposal that fails to meet the RFP's requirements will be regarded as non-responsive and may be rejected. A proposal, which is in any way incomplete, irregular or conditional, at the County's discretion, may be rejected. The following criteria will be used in the evaluation of the potential consultants:

1. Qualifications
2. Approach
3. Experience and references
4. Proposed costs

The County may meet or interview any or all of the proposers during the evaluation process. A contract will be negotiated with one or more qualified entities selected during the evaluation process. Proposals not selected in the evaluation process may be awarded a contract should negotiations with the selected Proposer(s) prove unsuccessful. The County reserves the right to reject any and all proposals and reserves the right to waive any non-substantive defects in the proposals.

5.0 General Information

Proposals must be submitted by way of mail, hand delivery, and/or electronic means, as described below:

- **Hand Delivery:** Hard copy proposals submitted by hand delivery must be received at County of Siskiyou Department of General Services, 190 Greenhorn Road, Yreka, CA 96097 on or before **01/17/22 at 4:00 PM pst** (ATTN:Jason Ledbetter, Director of General Services). Please note "RFP LANDFILL WATER AND GAS MONITORING AND REPORTING PROGRAM FOR SISKIYOU COUNTY LANDFILLS, AS WELL AS ENGINEERING AND TECHNICAL REPORTING AS NEEDED" on front of envelope.
- **Mailing:** Hard copy proposals by way of mail must be mailed to County of Siskiyou, Department of General Services, 190 Greenhorn Road, Yreka, CA 96097 and postmarked by **01/17/22, 4:00 PM pst**. Please note "RFP LANDFILL WATER AND GAS MONITORING AND REPORTING PROGRAM FOR SISKIYOU COUNTY LANDFILLS, AS WELL AS ENGINEERING AND TECHNICAL REPORTING AS NEEDED" on front of envelope.
- **Electronic Copy Submittal:** Submit an electronic copy of the proposal via email. Electronic copies shall be emailed to Jason Ledbetter, Director of General Services at jledbetter@co.siskiyou.ca.us and must be received by **01/17/22 at 4:00 PM pst**. Please include "RFP LANDFILL WATER AND GAS MONITORING AND REPORTING PROGRAM FOR SISKIYOU COUNTY LANDFILLS, AS WELL AS ENGINEERING AND TECHNICAL REPORTING AS NEEDED" in subject line.

Proposers shall provide one (1) original copy with signature and Two (2) exact copies of the original by hand delivery, mail, as instructed above.

Proposers submitting proposals electronically will only be required to send one signed copy.

Proposers are asked to direct all inquiries related to the project(s) to Jason Ledbetter by email, jledbetter@co.siskiyou.ca.us or by phone at (530) 842-8259.

The County will provide the following to assist the selected entity(s):

- Designate a person to act as the County's point of contact with respect to the work

performed under the contract.

- Information, as legally allowed and reasonably attainable, in possession of the County that relates to the requirements of the project(s) or which is relevant for the project(s).
- Facilitate coordination with other entities, local agencies, organizations, and individuals if necessary.
- Advice on the project scope of work.
- Review and validation of project deliverables.

The County of Siskiyou General Services Sanitation Division intends on entering into a 3 year contract for the listed services with the awarded bidder, with 3 possible 3 year extensions via addendum for a total of 12 years. The contract start date for these services will begin on 7/1/2022.

All Proposers shall have staff professionally licensed as Professional Geologist, Certified Engineering Geologist, Professional Civil Engineer, and have proven experience in Soil Erosion and water quality.

A contract award resulting from this RFP will be made without discrimination on any basis prohibited under state or federal law.

6.0 Attachments

Form Contract NTE BOS Clerk Attest Signature

Yreka Landfill Map Info

Black Butte Landfill Map Info

Tulelake Landfill Map Info

McCloud Landfill Map Info

Happy Camp Landfill Map Info