

RESOLUTION NO. SD19-008
OF THE BOARD OF DIRECTORS OF
NEVADA COUNTY SANITATION DISTRICT NO. 1

APPROVAL OF A CONTRACT RENEWAL BETWEEN
NEVADA COUNTY SANITATION DISTRICT NO. 1 AND
CRANMER ENGINEERING, INC., FOR TESTING OF
PROVIDED SAMPLES FROM WASTEWATER TREATMENT
FACILITIES AND COLLECTION SYSTEMS FOR \$55,000 FOR
FISCAL YEAR 2019/20

WHEREAS, Nevada County Sanitation District No. 1 (District) discharge permits are issued by the Regional Water Quality Control Board in which sampling is needed to meet monitoring requirements; and

WHEREAS, the District selected (Resolution SD12-15) Cranmer Engineering, Inc. to provide sampling testing services; and

WHEREAS, Cranmer Engineering is an ELAP (Environmental Laboratory Accreditation Program) certified wastewater quality testing lab that can provide sampling and testing services to the levels required in the Regional Water Quality Control Board permit; and

WHEREAS, the agreement was renewed for Fiscal Year 2016/17 (No Board Action Required) and subsequently amended by Resolution SD17-007; and

WHEREAS, the agreement was renewed for Fiscal Year 2017/18 by Resolution SD17-010; and

WHEREAS, the agreement was renewed for Fiscal Year 2018/19 by Resolution SD18-003; and

WHEREAS, the total contract amount for Fiscal Year 2019/20 beginning July 1, 2019 and ending June 30, 2020 is \$55,000; and

WHEREAS, sufficient funds are available in Budget 4700-91005-709-1000/521520.

NOW, THEREFORE, BE IT HEREBY RESOLVED that the Board of Directors of Nevada County Sanitation District No. 1:

Approves the Contract renewal between Nevada County Sanitation District No. 1 and Cranmer Engineering, Inc. and authorizes the Chair of the Board of Directors to execute the Contract on behalf of the District.

PASSED AND ADOPTED at a special meeting of the Board of Directors of the Nevada County Sanitation District No. 1, held on the 23rd day of July, 2019, by the following vote:

Ayes: Directors Heidi Hall, Edward Scofield, Dan Miller, Susan K. Hoek and Richard Anderson.

Noes: None.

Absent: None.

Abstain: None.

ATTEST:

JULIE PATTERSON HUNTER
Clerk of the Board of Directors

By: 



Richard Anderson, Chair

7/23/2019 cc: NCSD#1*
AC* (Hold)

11/6/2019 cc: NCSD#1*
AC*(release)
CE, Inc.

PERSONAL SERVICES CONTRACT

County of Nevada, California

This Personal Services Contract is made between the NEVADA COUNTY SANITATION DISTRICT NO. 1 (herein "County"), and

Cranmer Engineering, Inc.

(herein "Contractor"), wherein County desires to retain a person or entity to provide the following services, materials and products generally described as follows:

(§1) **Testing of Sanitation District provided samples from District wastewater treatment facilities, monitoring wells, and collection systems**

SUMMARY OF MATERIAL TERMS

(§2) **Maximum Contract Price:** \$55,000
(§3) **Contract Beginning Date:** 7/1/2019 **Contract Termination Date:** 6/30/2020
(§4) **Liquidated Damages:** \$0

INSURANCE POLICIES

Designate all required policies:

		Req'd	Not Req'd
(§6)	Commercial General Liability (\$1,000,000)	X	
(§7)	Automobile Liability (\$ 300,000) Personal Auto		X
	(\$1,000,000) Business Rated	X	
	(\$1,000,000) Commercial Policy		X
(§8)	Worker's Compensation	X	
(§9)	Errors and Omissions (\$1,000,000)	X	

LICENSES AND PREVAILING WAGES

(§14) N/A

NOTICE & IDENTIFICATION

(§26) **Contractor: Cranmer Engineering, Inc.** **Nevada County Sanitation District No. 1:**
1188 East Main Street 950 Maidu Avenue
Grass Valley, CA 95945 Nevada City, CA 95959
Contact Person: Jason Fouyer Contact Person: Chad McBride
(530) 273-7284 (530) 265-7121
e-mail: e-mail: chad.mcbride@co.nevada.ca.us
Fed Tax ID: Org Code: 4700-91005-709-1000/521520

Contractor is a: (check all that apply)
Corporation: Calif., Other, LLC, Non-profit
Partnership: Calif., Other, LLP, Limited
Person: Individ., Db, Ass'n, Other
EDD: Independent Contractor Worksheet Required: Yes No
HIPAA: Schedule of Required Provisions (Exhibit D): Yes No

ATTACHMENTS

Designate all required attachments:

	Req'd	Not Req'd
Exhibit A: Schedule of Services (Provided by Contractor)	X	
Exhibit B: Schedule of Charges and Payments (Paid by County)	X	
Exhibit C: Schedule of Changes (Additions, Deletions & Amendments)		X
Exhibit D: Schedule of HIPAA Provisions (Protected Health Information)		X

Terms

Each term of this Contract below specifically incorporates the information set forth in the Summary at page one (1) above as to each respective section (§) therein, as the case may be.

Services

1. Scope of Services:

Contractor shall provide all of the services, materials and products (herein "Services") generally described in **Exhibit "A"**, according to a performance schedule, if applicable, as set forth in said exhibit (herein "Performance Schedule"). If requested, Contractor agrees to serve as an expert witness for County in any third party action or proceeding arising out of this Contract.

Payment

2. Charges and Payments:

The charges (herein "Charges") for furnishing the aforesaid Services under this Contract are set forth in **Exhibit "B"**, including, if applicable, hourly rates, unit pricing, and expense, mileage and cost limits. Said Charges shall be presented monthly by invoice, and shall be due within thirty (30) days of receipt unless payment is otherwise set forth in said **Exhibit "B"**, and shall remain in effect for the entire term of this Contract, and any extension hereof. In no event will the cost to County for Services to be provided under this Contract, including direct non-salary expenses, exceed the **Maximum Contract Price** set forth at §2, page one (1), above.

Time for Performance

3. Contract Term:

This Contract shall commence on the **Contract Beginning Date** set forth at §3, page one (1), above. All Services required to be provided by this Contract shall be completed and ready for acceptance no later than the **Contract Termination Date** set forth at §3, page one (1), above.

4. Liquidated Damages:

County and Contractor agree that damages to County due to delays in timely providing Services in accordance with the aforesaid Performance Schedule and Contract Termination Date are impractical and difficult to ascertain. Therefore, if §4 at page one (1) hereof shall indicate a daily amount as **Liquidated Damages**, County shall have the right to assess said daily sum, not as a penalty, but as and for damages to County due to delays in providing Services not in accordance with the said Performance Schedule, or later than the Contract Termination Date (herein "Delay"). Liquidated Damages shall be offset against amounts owing to Contractor, including retention sums.

To the extent that any Delay is a result of matters or circumstances wholly beyond the control of Contractor, County may excuse said Liquidated Damages; provided however, that County may condition such excuse upon Contractor having given prompt notice to County of such delay immediately by telephone and thereafter by written explanation within a reasonable time. The time for Contractor's performance shall be extended by the period of delay, or such other period as County may elect.

5. Time of the Essence:

Time is of the essence with respect to Contractor's performance under this Contract. Delay in meeting the time commitments contemplated herein will result in the assessment of liquidated damages, if indicated at §4 at page one (1), hereof. If Liquidated Damages are not so indicated, damages shall be as otherwise provided by law.

Insurance

6. Commercial General Liability Insurance: (County Resolution No. 90674)

If §6 at page one (1) hereof shall indicate a **Commercial General Liability** insurance policy is required, Contractor shall promptly provide proof of such insurance evidenced by a certificate of insurance with properly executed endorsements attached, which insurance shall include the following:

- (i) Broad form coverage for liability for death or bodily injury to a person or persons, and for property damage, combined single limit coverage, in the minimum amount indicated at said §6;

- (ii) An endorsement naming County as an additional insured under said policy, with respect to claims or suits arising from the Services provided or the relationships created under this Contract;
- (iii) A provision that said insurance shall be primary and other insurance maintained by the County of Nevada shall be excess only and not contributing with Contractor's insurance;
- (iv) A provision that said insurance shall provide for thirty (30) days written notice to County of any termination or change in coverage protection, or reduction in coverage limits (except ten (10) days notice for non-payment of premium).

7. Automobile Liability Insurance: (County Resolution No. 90676)

If §7 at page one (1) hereof shall require either a Business Rated or a Commercial Automobile Liability insurance policy, for each vehicle used including non-owned and hired automobiles, Contractor shall promptly provide proof of such insurance evidenced by a certificate of insurance with properly executed endorsements attached, which insurance shall include the following provisions:

- (i) Liability protection for death or bodily injury to a person or persons, property damage, and uninsured and underinsured coverage, combined single limit coverage, in the minimum amount indicated at said §7;
- (ii) An endorsement naming County as an additional insured under said policy, with respect to claims or suits arising from the Services provided or the relationships created under this Contract;
- (iii) A provision that said insurance shall be primary and other insurance maintained by the County of Nevada shall be excess only and not contributing with Contractor's insurance;
- (iv) A provision that said insurance shall provide for thirty (30) days written notice to County of any termination or change in coverage protection, or reduction in coverage limits (except ten (10) days notice for non-payment of premium).

If §7 at page one (1) hereof shall require a Personal Auto policy, for each vehicle used including non-owned and hired automobiles, Contractor shall promptly provide proof of such insurance for a minimum of three hundred thousand dollars, (\$300,000), in combined single limits, and naming the County as additionally insured.

8. Worker's Compensation: (County Resolution No. 90674)

If §8 at page one (1) hereof shall indicate a **Worker's Compensation** insurance policy is required, Contractor shall maintain said policy as required by law, and shall promptly provide proof of such insurance evidenced by a certificate of insurance, or other documentation acceptable to County.

Before commencing to utilize employees in providing Services under this Contract, Contractor warrants that it will comply with the provisions of the California Labor Code, requiring Contractor to be insured for worker's compensation liability or to undertake a program of self-insurance therefor.

9. Errors and Omissions:

If §9 at page one (1) hereof shall indicate **Errors and Omissions** insurance is required, Contractor shall maintain either a professional liability or errors & omissions policy in the minimum amount indicated, and shall promptly provide proof of such insurance evidenced by a certificate of insurance, or other documentation acceptable to County.

10. Miscellaneous Insurance Provisions: (County Resolution No. 90675)

All policies of insurance required by this Contract shall remain in full force and effect throughout the life of this Contract and shall be payable on a "per occurrence" basis unless County specifically consents to "claims made" coverage. If the County does consent to "claims made" coverage and if Contractor changes insurance carriers during the term of this Contract or any extensions hereof, then Contractor shall carry prior acts coverage.

Insurance afforded by the additional insured endorsement shall apply as primary insurance, and other insurance maintained by County, its officers, agents and/or employees, shall be excess only and not contributing with insurance required or provided under this agreement.

At all times, Contractor shall keep and maintain in full force and effect throughout the duration of this Contract, policies of insurance required by this Contract which policies shall be issued by companies

with a Best's Rating of B+ or higher (B+, B++, A-, A, A+ or A++), or a Best's Financial Performance Rating (FPR) of 6 or higher (6, 7, 8 or 9) according to the current Best's Key Rating Guide, or shall be issued by companies approved by the County Risk Manager. In the event the Best's Rating or Best's FPR shall fall below the rating required by this paragraph, Contractor shall be required to forthwith secure alternate policies which comply with the rating required by this paragraph, or be in material breach of this Contract.

Failure to provide and maintain the insurance policies (including Best's ratings), endorsements, or certificates of insurance required by this Contract shall constitute a material breach of this agreement (herein "Material Breach"); and, in addition to any other remedy available at law or otherwise, shall serve as a basis upon which County may elect to suspend payments hereunder, or terminate this Contract, or both. (See §13, ¶2, below, as these provisions additionally apply to subcontractors.)

11. Indemnity:

Nothing herein shall be construed as a limitation of Contractor's liability, and Contractor shall indemnify, defend and hold harmless the County and its officers, officials, employees, agents and volunteers from any and all liabilities, claims, demands, damages, losses and expenses (including, without limitation, defense costs and attorney fees of litigation) which result from the negligent act, willful misconduct, or error or omission of Contractor, except such loss or damage which was caused by the sole negligence or willful misconduct of County or its officers, officials, employees, agents and volunteers.

Personal Services

12. Contractor as Independent:

In providing services herein, Contractor, and the agents and employees thereof, shall act in an independent capacity and as an independent contractor and not as agents or employees of County.

13. Assignment and Subcontracting:

Except as specifically provided herein, the rights, responsibilities, duties and Services to be performed under this Contract are personal to the Contractor and may not be transferred, subcontracted, or assigned without the prior written consent of County. Contractor shall not substitute nor replace any personnel for those specifically named herein or in its proposal without the prior written consent of County.

Contractor shall cause and require each transferee, subcontractor and assignee to comply with the insurance provisions set forth herein at §§6, 7, 8, 9 and 10, to the extent such insurance provisions are required of Contractor under this Contract. Failure of Contractor to so cause and require such compliance by each transferee, subcontractor and assignee shall constitute a Material Breach of this agreement, and, in addition to any other remedy available at law or otherwise, shall serve as a basis upon which County may elect to suspend payments hereunder, or terminate this Contract, or both.

14. Licensing and Permits:

Contractor warrants (i) Contractor is qualified and competent to provide all Services under this contract; (ii) Contractor and all employees of Contractor hold all necessary and appropriate licenses therefor, including those licenses set forth at §14, page one (1) hereof; and, (iii) Contractor shall obtain, and remain in compliance with, all permits necessary and appropriate to provide said Services. Contractor shall cause said licenses and permits to be maintained throughout the life of this Contract. Failure to do so shall constitute a Material Breach of this agreement, and, in addition to any other remedy available at law or otherwise, shall serve as a basis upon which County may elect to suspend payments hereunder, or terminate this Contract, or both.

Public Contracts

15. Prevailing Wage and Apprentices:

To the extent made applicable by law, performance of this Contract shall be in conformity with the provisions of California Labor Code, Division 2, Part 7, Chapter 1, commencing with Section 1720 relating to prevailing wages which must be paid to workers employed on a public work as defined in Labor Code §§1720, et seq.; and shall be in conformity with Title 8 of the California Code of Regulations §§200 et seq., relating to apprenticeship. Where applicable:

- (i) Contractor shall comply with the provisions thereof at the commencement of Services to be provided herein, and thereafter during the term of this Contract. A breach of the requirements of this section shall be deemed a material breach of this contract. Applicable prevailing wage

determinations are available on the California Department of Industrial Relations website at <http://www.dir.ca.gov/OPRL/PWD>.

(ii) Contractor and all subcontractors must comply with the requirements of Labor Code Section 1771.1(a) pertaining to registration of contractors pursuant to Section 1725.5. Registration and all related requirements of those Sections must be maintained throughout the performance of the Contract.

(iii) Contracts to which these prevailing wage requirements apply are subject to compliance monitoring and enforcement by the Department of Industrial Relations. Each contractor and subcontractor must furnish certified payroll records to the Labor Commissioner at least monthly.

(iv) The County is required to provide notice to the Department of Industrial Relations of any public work contract subject to prevailing wages within five (5) days of award.

16. Accessibility (County Resolution No. 00190):

It is the policy of the County of Nevada that all County services, programs, meetings, activities and facilities shall be accessible to all persons, and shall be in compliance with the provisions of the Americans With Disabilities Act and Title 24, California Code of Regulations. To the extent this Contract shall call for Contractor to provide County contracted services directly to the public, Contractor shall certify that said direct Services are and shall be accessible to all persons.

17. Nondiscriminatory Employment:

In providing Services hereunder, Contractor shall not discriminate against any employee or applicant for employment because of race, color, religion, age, sex, national origin, political affiliation, ancestry, marital status or disability. This policy does not require the employment of unqualified persons.

18. Prior Nevada County Employment (County Resolution No. 03-353):

Effective July 22, 2003, it is the policy of the County of Nevada that former members of the Board of Supervisors, a former CEO, or a former Purchasing Agent, for a period of twelve (12) months following the last day of employment, shall not enter into any relationship wherein that former employee or former Board member receives direct remuneration from a legal entity that, during the last twelve (12) months of said employment or Board member's service, entered into a contract with, or received a grant from the County of Nevada. Provided however, that this prohibition shall not apply to any employee that did not personally approve a contract with or grant to said legal entity during the last twelve (12) months of said employment, and shall not apply when the Board of Supervisors did not approve a contract with or grant to said legal entity during the last twelve (12) months of said Board member's service.

A violation of this policy shall subject Contractor to all of the remedies enumerated in said resolution and as otherwise provided in law, which remedies shall include but not be limited to injunctive relief, cancellation and voiding of this contract by County, a return of grant money, a cause of action for breach of contract, and entitlement to costs and reasonable attorney fees in any action based upon a breach of contract under this provision.

19. Cost Disclosure:

In accordance with Government Code Section 7550, should a written report be prepared under or required by the provisions of this Contract, Contractor agrees to state in a separate section of said report the numbers and dollar amounts of all contracts and subcontracts relating to the preparation of said report

Default and Termination

20. Termination:

A Material Breach of this Contract pursuant to the terms hereof or otherwise, in addition to any other remedy available at law or otherwise, shall serve as a basis upon which County may elect to immediately suspend payments hereunder, or terminate this contract, or both, **without notice**.

If Contractor fails to timely provide in any manner the services materials and products required under this Contract, or otherwise fails to promptly comply with the terms of this Contract, or violates any ordinance, regulation or other law which applies to its performance herein, County may terminate this Contract by giving **five (5) days written notice** to Contractor.

Either party may terminate this Contract for any reason, or without cause, by giving **thirty (30) calendar days written notice** to the other, which notice shall be sent by registered mail in conformity with the notice provisions, below. In the event of termination not the fault of the Contractor, the Contractor shall be paid for services performed to the date of termination in accordance with the terms of this Contract. Contractor shall be excused for failure to perform services herein if such performance is prevented by acts of God, strikes, labor disputes or other forces over which the Contractor has no control.

County, upon giving **sixty (60) calendar days written notice** to Contractor, shall have the right to terminate its obligations under this Contract at the end of any fiscal year if the County or the State of California, as the case may be, does not appropriate funds sufficient to discharge County's obligations coming due under this contract.

Miscellaneous

21. Books of Record and Audit Provision:

Contractor shall maintain complete records relating to this Contract for a period of five (5) years from the completion of Services hereunder. Said records shall include but not be limited to bids and all supporting documents, original entry books, canceled checks, receipts, invoices, payroll records including subsistence, travel and field expenses, together with a general ledger itemizing all debits and credits

Contractor shall permit County to audit said records as well as such related records of any business entity controlled by Contractor. Said audit may be conducted on Contractor's premises or at a location designated by County, upon fifteen (15) days notice. Contractor shall promptly refund any moneys erroneously charged and shall be liable for the costs of audit if the audit establishes an over-charged of five percent (5%) or more of the Maximum Contract Price.

22. Intellectual Property:

All original photographs, diagrams, plans, documents, information, reports, computer code and all recordable media together with all copyright interests thereto (herein "Intellectual Property"), which concern or relate to this Contract and which have been prepared by, for or submitted to Contractor, shall be the property of County, and upon fifteen (15) days demand therefor, shall be promptly delivered to County without exception. Provided however, for personal purposes only and not for commercial, economic or any other purpose, Contractor may retain a copy of Contractor's work product hereunder.

23. Entire Agreement:

This Contract represents the entire agreement of the parties, and no representations have been made or relied upon except as set forth herein. This Contract may be amended or modified only by written, fully executed agreement of the parties.

24. Jurisdiction and Venue:

This Contract shall be construed in accordance with the laws of the State of California and the parties hereto agree that venue shall be in Nevada County, California.

25. Compliance with Applicable Laws:

The Contractor shall comply with any and all federal, state and local laws, codes, ordinances, rules and regulations which relate to, concern or affect the Services to be provided by this Contract.

26. Notices:

This Contract shall be managed and administered on County's behalf by the department and the person set forth at §26, page one (1) of this Contract, and all invoices shall be submitted to and approved by this Department. In addition to personal service, all notices may be given to County and to Contractor by first class mail addressed as set forth at said §26 Said notices shall be deemed received the fifth (5th) day following the date of mailing or the earlier date of personal service, as the case may be.


27. Authority:

All individuals executing this Contract on behalf of Contractor represent and warrant that they are authorized to execute and deliver this Contract on behalf of Contractor.

IN WITNESS WHEREOF, the parties have executed this Contract effective on the Beginning Date, above.

CONTRACTOR: Cranmer Engineering, Inc.

NEVADA COUNTY SANITATION DISTRICT NO. 1:


Name: Michelle Martin
Title:
Dated: 9/19/19



Honorable Richard Anderson
Chair, Board of Directors
Dated: 10/18/2019

EXHIBIT "A"

SCHEDULE OF SERVICES

Nevada County Sanitation District No. 1 requires analytical services from a California State certified laboratory to monitor the County's compliance with regulations governing the operation of District wastewater treatment facilities, wells, and collection systems.

The Contractor recognizes the County's stated needs and will provide the analytical services in a California State certified laboratory and maintains all other required licenses and certifications to provide these services to the County. The Contractor will provide quarterly groundwater sampling as well as monthly scheduled or unscheduled analysis.

EXHIBIT "B"

SCHEDULE OF CHARGES AND PAYMENTS

The rates for each type of testing are shown in the attached price list provided by Cranmer Engineering, Inc.

Labor Rates

- Courier Service – No Charge
- Sampling Ground Water – \$80.00 per hour
- Equipment and Supplies, Ground Water – No Charge Per Well
- Engineering (gradient and report work), Ground Water – \$105.00 per hour
- Mileage Rate – No Charge

Upon completion of services provided, but not to exceed once per month, the contractor will provide an invoice for services provided with the following information:

- a. PO number associated with this contract
- b. Date invoice was submitted to County
- c. Location each sample was taken from
- d. Date each sample was taken
- e. Service performed
- f. Unit Price (as found in the attachment)
- g. Extended Price
- h. Total Price

The County will review each invoice and notify Contractor of any issues or discrepancies found in the invoice within 10 business days. The County will pay County approved invoices within 30 days of receipt or 30 days of resolution for invoices in dispute.

The contract amount will not exceed \$55,000 for the term of the contract.

EXHIBIT "B"

County of Nevada

RFP: Wastewater Sampling and Analysis
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ATTACHMENT C: SAMPLE AND PRICE SHEET

Please indicate on the table below your price for Analysis of each of the samples listed. Note that many of the samples are routinely collected and analyzed by County staff. Analysis will only be required for those samples identified as "back-up only" when County staff are not available due to vacations, etc.

Plant	Sample Point	Analysis	Est. Freq. No./Yr	Sampling Required ?	Price per Sample for Analysis
LWW	Lab water	Metals (Cu, Cd Cr, Pb, Ni, Zn)	1	Y	\$70
LWW	Lab water	Water suitability test	1	Y	\$107
LWW	Inf.	BOD (back-up only)	3	N	\$25
LWW	Inf.	TSS (back-up only)	3	N	\$15
LWW	Eff.	BOD (back-up only)	9	N	\$25
LWW	Eff.	TSS (back-up only)	9	N	\$15
LWW	Eff.	Coliform (back-up only)	9	N	\$20
LWW	Eff.	VOC's (8260)	12	N	\$125
LWW	Eff.	Mercury, Method 1831	4	N	\$90
LWW	Eff.	Methyl Mercury	4	N	\$82
LWW	Eff.	Diquat	4	N	\$120
LWW	Eff.	MBAS	4	N	\$27
LWW	Eff.	Copper	4	N	\$15
LWW	Eff.	Silver	4	N	\$15
LWW	Eff.	Standard Minerals - Boron, calcium, iron, magnesium, potassium, sodium, chloride, manganese, phosphorus, total alkalinity (including alkalinity series), and hardness, and verification that the analysis is complete (i.e., cation/anion balance).	1	N	\$87
LWW	Eff.	8081 Pesticides	1	N	\$130
LWW	Eff.	Acute Toxicity	2	N	\$500
LWW	Eff.	Chronic Toxicity, 3 spp.	2	N	\$1700
LWW	Eff.	Nitrite/Nitrate	3	N	\$25
LWW	RW	Gross alpha radioactivity	2	N	\$35
LWW	RW	Radium (if needed)	3	N	\$170
LWW	Sludge	Priority Pollutants - (Sched. 40 CFR122 Append. D - Tables II and III, except total phenols)	1	N	\$170
LWW	Run-off	TOC	4	N	\$37
CS	Inf.	BOD (back-up only)	3	N	\$25
CS	Inf.	TSS (back-up only)	3	N	\$15
CS	Eff.	BOD (back-up only)	3	N	\$25
CS	Eff.	TSS (back-up only)	3	N	\$15
CS	Eff.	Coliform (back-up only)	6	N	\$20
CS	Eff.	Copper (low level)	12	N	\$15

Plant	Sample Point	Analysis	Est. Freq. No./Yr	Sampling Required ?	Price per Sample for Analysis
CS	Eff.	Mercury, method 1831	4	N	\$90
CS	Eff.	Standard Minerals - boron, calcium, iron, magnesium, potassium, sodium, chloride, manganese, phosphorus, total alkalinity (including alkalinity series), and hardness, and include verification that the analysis is complete (i.e., cation/anion balance).	1	N	\$87
CS	Eff.	Acute Toxicity	2	N	\$500
CS	Eff.	Chronic Toxicity, 3 spp.	2	N	\$1700
LOP	Inf.	BOD (back-up only)	3	N	\$25
LOP	Inf.	TSS (back-up only)	3	N	\$15
LOP	Eff.	BOD (back-up only)	6	N	\$25
LOP	Eff.	TSS (back-up only)	6	N	\$15
LOP	Eff.	Coliform (back-up only)	9	N	\$20
LOP	Eff.	Aluminum	4	N	\$15
LOP	Eff.	Copper	4	N	\$15
LOP	Eff.	Cyanide	4	N	\$50
LOP	Eff.	Iron	4	N	\$15
LOP	Eff.	Manganese	4	N	\$15
LOP	Eff.	Alpha-BHC, Aldrin, Dieldrin	1	N	\$140
LOP	Eff.	Acute Toxicity	2	N	\$500
LOP	Eff.	Chronic Toxicity, 3 spp.	2	N	\$1700
LOP	RW	Gross alpha radioactivity	2	Y	\$35
LOP	RW	Radium	2	Y	\$170
LOP	Sludge	Priority Pollutants (Schedule 40 CFR122 Appendix D – Table III metals)	1	N	\$170
HV	Inf.	TKN	12	N	\$25
HV	Inf.	Nitrate	12	N	\$12
HV	Inf.	Nitrite	12	N	\$12
HV	Inf.	Oil & Grease	4	N	\$50
HV	Eff.	TKN	12	N	\$25
HV	Eff.	Nitrate	12	N	\$12
HV	Eff.	Nitrite	12	N	\$12
HV	Eff.	Oil & Grease	4	N	\$50
HV	Sludge	8 Metals - Cd, Cr, Cu, Pb, Ni, Zn, Hg, Fe	1	N	\$112
PV	Irrig.	TKN	6	N	\$25
PV	Irrig.	Nitrate	6	N	\$12
PV	Irrig.	Nitrite	6	N	\$12
PV	Sludge	6 metals – Cd, Cr, Cu, Pb, Ni, Zn	1	N	\$70

Plant	Sample Point	Analysis	Est. Freq. No./Yr	Sampling Required ?	Price per Sample for Analysis
NSJ	Eff.	Nitrate	4	N	\$12
NSJ	Eff.	TKN	4	N	\$25
NSJ	Eff.	Standard Minerals - barium, boron, calcium, iron, magnesium, potassium, sodium, chloride, manganese, sulfate, total alkalinity (including alkalinity series), and hardness.	1	N	\$87
NSJ	GW (6 Q)	TKN	24	N	\$25
NSJ	GW (6 Q)	Standard Minerals - Calcium, magnesium, potassium, sulfate, total alkalinity (including alkalinity series), and hardness.	1	N	\$187
VO	GW	Chloride	20	N	\$15
VO	GW	MBAS	20	N	\$27
PV	GW	pH	28	Y	\$12
PV	GW	TC	28	Y	\$20
PV	GW	TDS	28	Y	\$12
PV	GW	Nitrate	28	Y	\$12
PV	GW	TKN	28	Y	\$25
PV	GW	Total coliform	28	Y	\$20
PV	GW	Standard Minerals - Boron, calcium, iron, magnesium, potassium, sodium, chloride, manganese, sulfate, total alkalinity (including alkalinity series), and hardness.	7	Y	\$87
HV	GW	Ammonia	12	Y	\$17
HV	GW	Nitrate	12	Y	\$12
HV	GW	TDS	12	Y	\$12
HV	GW	pH	12	Y	\$12
HV	GW	Total coliform	12	Y	\$20

Please provide rates for the following services:

Additional Services	Rates
Labor rate – Courier Service	No Charge
Labor rate – Sampling Ground Water	\$80 per hr
Equipment/Supplies – Sampling Ground Water (per well) *	No Charge per well
Labor rate – Engineering (gradient & report for GW work)	\$105 per hr
Mileage rate	No Charge per mile

* Only add Equipment/Supplies pricing here if not included in the per sample rate in the above table

Abbreviation	Definition	Abbreviation	Definition
Inf.	Influent	CS	Cascade Shores Treatment Plant
Eff.	Effluent	LOP	Lake of the Pines Treatment Plant
GW	Ground water or wells	HV	Higgins Village
RW	Receiving Water	PV	Penn Valley Treatment Plant
Irrig	Irrigation water	NSJ	North San Juan Treatment Plant
LWW	Lake Wild Wood Treatment Plant	VO	Valley Oak Court