

PERSONAL SERVICES CONTRACT

County of Nevada, California

This Personal Services Contract is made between the COUNTY OF NEVADA (herein "County"), and

Holdrege and Kull (H&K), an NV5 Company

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

(§1) **Provide Solid Waste Engineering Support Services for the McCourtney Road and Hirschdale Closed Landfills**

SUMMARY OF MATERIAL TERMS

(§2) **Maximum Contract Price:** \$243,606
(§3) **Contract Beginning Date:** 7/1/2018 **Contract Termination Date:** 6/30/2019
(§4) **Liquidated Damages:** n/a

INSURANCE POLICIES

Designate all required policies:

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

LICENSES AND PREVAILING WAGES

(§14) Designate all required licenses:

As Applies

NOTICE & IDENTIFICATION

(§26) **Contractor: Holdrege & Kull (H&K)**
792 Searls Avenue
Nevada City, CA 95959

County of Nevada:
950 Maidu Avenue
Nevada City, CA 95959

Contact Person: Bryan Botsford
(530) 478-1305
e-mail: bbotsford@handk.net

Contact Person: David A. Garcia, Jr.
(530) 265-7038
e-mail: david.garcia@co.nevada.ca.us

Contractor is a: (check all that apply)

Corporation:	<u>x</u> Calif.,	<u> </u> Other,	<u> </u> LLC,	<u> </u> Non-profit
Partnership:	<u> </u> Calif.,	<u> </u> Other,	<u> </u> LLP,	<u> </u> Limited
Person:	<u> </u> Indiv.,	<u> </u> Dba,	<u> </u> Ass'n	<u> </u> Other

EDD: Independent Contractor Worksheet Required: Yes x No

HIPAA: Schedule of Required Provisions (Exhibit D): Yes x No

ATTACHMENTS

Designate all required attachments:

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

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 overcharged 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:

Name:

Title:

Dated: _____

COUNTY OF NEVADA:

Honorable Ed C. Scofield

Chair, Board of Supervisors

Dated: _____

Attest: _____

Julie Patterson Hunter

Clerk of the Board

EXHIBIT "A"

SCHEDULE OF SERVICES

(Provided By Contractor)

Contractor shall provide the following services as directed by County staff:

Task No.	Description	Fee Estimate	Notes
1	Water Quality Monitoring and Reporting	\$109,332	See Attachment 2 for details
2	Landfill Gas Monitoring Coordination, Technical Support and Reporting	\$8,200	
3	Regulatory Correspondence and Coordination	\$10,160	Pursuant to RFQ Table 1
4	Storm Water Pollution Prevention Plan (SWPPP) and QISP Services	\$6,160	Level 2 services not anticipated
5	Annual Facility Inspection and Report	\$2,000	
6	Landfill Cap Settlement Monitoring	\$0	Not required until 2021
7	Construction Management and Quality Assurance	\$25,608	For LFG extraction CM and CQA
8	Hydrogeologic Evaluation for New Low Flow Pumps	\$10,000	If required for pump placement
9	Engineering Design and Oversight for Future Projects	\$50,000	
	Estimate Subtotal	\$221,460	
	10% Contingency	\$22,146	
	Total	\$243,606	

Table 1 - Annual Staff Resource Allocation Estimates
On-Call Engineering and Support Services
Nevada County Solid Waste Facilities

Task No.	Service Description	Quantity	Unit
Task 1 - Water Quality Monitoring and Reporting			
1a	Water Quality Monitoring (includes two semi-annual events per year)		
	Technician - Quarterly groundwater elevation measurements (4 events)	24	Hours
	Technician - Semi-annual groundwater sampling (2 events)	160	Hours
	Technician - Semi-annual storm water and SWPPP sampling (2 events)	24	Hours
	Technician - Semi-annual vadose zone sampling (2 events)	28	Hours
	Technician - Semi-annual leachate sump sampling (2 events)	6	Hours
	Technician - Semi-annual surface impoundment sampling (2 events)	4	Hours
	Technician - 5-year COC Sampling (not required until 2021)	0	Hours
1b	Statistical Analysis of Groundwater Data (two semi-annual events per year)		
	Associate Engineer - Management and oversight	2	Hours
	Project Geologist - Data evaluation and transmittal	8	Hours
1c	Geochemist - Statistical evaluation and trend analysis (Geochem Applications)	20	Each
	Reporting and Electronic Submittals (two semi-annual events per year)		
	Associate Engineer - Management and review	32	Hours
	Project Geologist/Engineer - Reporting	80	Hours
	Technical Editor - Data tabulation and reporting	40	Hours
	Project Assistant	24	Hours
Task 2 - Landfill Gas Monitoring Coordination, Technical Support, and Reporting			
2a	Coordination and Technical Support (includes two semi-annual events per year)		
	Associate Engineer - Management and oversight	4	Hours
	Project Geologist - Laboratory coordination and technical support	20	Hours
2b	Project Assistant - Sample shipping and meter rental	8	Hours
	Semi-Annual Reporting (two events per year, submitted with Annual Monitoring Report, Task 1)		
	Associate Engineer - Management and review	4	Hours
	Project Geologist - Reporting	16	Hours
	Technical Editor - Data tabulation and reporting	8	Hours
	Project Assistant	4	Hours
Task 3 - Regulatory Correspondence and Coordination			
3	Regulatory Liaison Services (General Engineering and Permitting, Coordination, Meetings)		
	Associate Engineer - Regulatory Liaison	24	Hours
	Project Geologist - Regulatory Liaison	32	Hours
	Technical Editor - Assistance and editorial review	16	Hours
Task 4 - Storm Water Pollution Prevention Plan (SWPPP) and QISP Services			
4a	Annual Reporting and Electronic Submittal (SMARTS)		
	Associate Engineer - Management and Oversight	4	Hours
	Project Geologist - Reporting and Electronic Submittals	4	Hours
4b	Technical Editor - Review and electronic submittals	20	Hours
	Qualified Industrial Stormwater Practitioner (QISP) Support		
	Associate Engineer - Management and Oversight	4	Hours
	Project Geologist - Reporting and Electronic Submittals	4	Hours
	Technical Editor - Review and electronic submittals	10	Hours
Task 5 - Annual Facility Inspection and Report			
5	Annual Facility Inspection (Reporting is included in Annual Monitoring Report, Task 1)		
	Associate Engineer - Management and oversight	2	Hours
	Project Geologist - Annual Inspection and reporting	8	Hours
	Technical Editor - Data tabulation	4	Hours

Table 1 - Annual Staff Resource Allocation Estimates
On-Call Engineering and Support Services
Nevada County Solid Waste Facilities

Task No.	Service Description	Quantity	Unit
Task 6 - Landfill Cap Settlement Monitoring (No survey required until 2021)			
6	Settlement Survey and Reporting		
	Associate Engineer - Management and oversight	0	Hours
	Project Geologist - Coordination and data evaluation	0	Hours
	Sub-contracted Survey - Dundas Geomatics (No survey required until 2021)	0	Hours
Task 7 - Construction Management and Quality Assurance (Budgeted for LFG extraction CQA)			
7a	Permits, Scheduling and Surveys		
	Associate Engineer - Management and oversight	2	Hours
	Project Geologist - Coordination and record keeping	8	Hours
	Sub-contracted Survey - Dundas Geomatics (pre- and post-construction)	16	Hours
7b	QA for Drilling and Well Construction		
	Associate Engineer - Management and oversight	4	Hours
	Project Geologist - Field CQA	24	Hours
7c	MW-26 Monthly Groundwater Monitoring, Six Months		
	Engineering Technician - Monitoring (six monthly events)	24	Hours
	Project Geologist - Coordination and data evaluation	12	Hours
	Geochemist - Statistical evaluation and trend analysis (Geochem Applications)	4	Hours
7d	Monthly Extraction System Balancing and Probe Monitoring Oversight		
	Associate Engineer - Management and oversight	6	Hours
	Project Geologist - Coordination and record keeping	12	Hours
7e	Corrective Action Reporting		
	Associate Engineer - Management and oversight	8	Hours
	Project Geologist - Data evaluation and reporting	32	Hours
	Technical Editor	4	Hours
	Project Assistant	2	Hours
Task 8 - Laboratory Analysis			
8a	Groundwater - Semi-annual analysis (two events)	68	Each
	Groundwater - 5-Year COC analysis (not required until 2021)	0	Each
	Surface Water - Semi-annual analysis (two events)	12	Each
8b	Surface Water - SWPPP analysis	24	Each
	Surface Water - 5-Year COC analysis (not required until 2021)	0	Each
	Vadose Zone - Semi-annual analysis (two events)	28	Each
8c	Vadose Zone - 5-Year COC analysis (not required until 2021)	0	Each
	Leachate - Semi-annual SI-1 sump analysis (two events)	2	Each
	Leachate - Semi-annual pump station analysis (two events)	4	Each
8d	Leachate - Semi-annual surface impoundment analysis (two events)	4	Each
	Leachate - 5-Year COC analysis (not required until 2021)	0	Each
	Quality Control - Trip Blanks	14	Each
8e	Quality Control - Field Duplicates (collected at a rate of 10% of field samples)	7	Each
Task 9 - Coordination with Landfill Technician			
9	Included in the monitoring and maintenance tasks listed above	0	Hours

Notes:

Resource allocation estimates are for the fiscal year (i.e., two semi-annual monitoring events and other annual MRP requirements).

COC = constituent of concern

MRP = Monitoring and Reporting Program No. R5-2014-0022

SWPPP = Storm Water Pollution Prevention Plan

Attachment 2 - Water Quality Monitoring and Reporting Program Budget
 McCourtney Road Landfill
 Nevada County, California

Summary					
Task	Service Description	Base Quantity	Unit	Unit Price	Budget
1a	Water Quality Monitoring (See Task 1a detail below)	See Below			\$71,612
1b	Statistical Analysis of Groundwater Data	2	Each	\$2,270	\$4,540
1c	Semi-Annual Reporting and Electronic Submittals	2	Each	\$11,590	\$23,180
1d	General Consulting	1	T&M	NA	\$10,000
Total Estimate					\$109,332

Summary of Task 1a - Water Quality Monitoring						
Task	Source	Service Description	Units Budgeted ¹	Unit ²	Unit Price	Budget
Groundwater Monitoring	2018 Schedule	Quarterly GW Elevation Measurements	24	Hours	\$100	\$2,400
	2018 Schedule	Semi-Annual Sampling	160	Hours	\$100	\$16,000
	2018 Schedule	5 Year COC Sampling	0	Hours	\$100	\$0
	ATL Quote 1A	Semi-Annual Analysis	68	Each	\$280	\$19,040
	NA	5 Year COC Analysis	0	Each	na	na
Surface Water Monitoring	2018 Schedule	Semi-Annual and SWPPP Sampling	24	Hours	\$100	\$2,400
	ATL Quote 2A	Semi-Annual Analysis	12	Each	\$131	\$1,572
	ATL Quote 2A	SWPPP Analysis	24	Each	\$130	\$3,120
	NA	5 Year COC Analysis	0	Each	na	na
Vadose Zone Monitoring	2018 Schedule	Semi-Annual Sampling	28	Hours	\$100	\$2,800
	2018 Schedule	5 Year COC Sampling	0	Hours	\$100	\$0
	ATL Quote 3A	Semi-Annual Analysis	28	Each	\$303	\$8,484
	NA	5 Year COC Analysis	0	Each	na	na
Leachate Monitoring	2018 Schedule	Semi-Ann. PS-1, PS-2, SI-1 Sampling	6	Hours	\$100	\$600
	2018 Schedule	Semi-Ann. SI-1, SI-2 Sampling	4	Hours	\$100	\$400
	ATL Quote 4A	Semi-Ann. SI-1 Sump Analysis	2	Each	\$156	\$312
	ATL Quote 4B	Semi-Ann. Pump Station Analysis	4	Each	\$451	\$1,804
	NA	5 Year COC PS, SI-1 Sump Analysis	0	Each	na	na
	ATL Quote 4D	Semi-Ann. SI-1 and SI-2 Analysis	4	Each	\$135	\$540
Additional Testing	ATL Quote 5A	EPA 8260 Trip Blanks	25	Each	\$160	\$4,000
	ATL	USEPA Method 8260B ³	14	Each	\$160	\$2,240
	ATL	U.S. EPA Method 8270C	na	Each	\$0	\$0
	ATL	U.S. EPA Method 8141A	na	Each	\$0	\$0
	ATL	Oil & Grease	na	Each	\$0	\$0
	ATL	Total Dissolved Solids	na	Each	\$0	\$0
	ATL	Total Suspended Solids	na	Each	\$0	\$0
	ATL	Inorganics (dissolved)	na	Each	\$0	\$0
	ATL	Shipping Charges (estimate \$5,000)	na	T&M	na	\$5,000
	2018 Schedule	Turbidity	100	Each	\$9	\$900
Task 1a Total Estimate						\$71,612

EXHIBIT "B"

SCHEDULE OF CHARGES AND PAYMENTS

(Paid by County)

The attached Fee Schedules detail the charges for engineering support and monitoring services provided by the contractor. Subcontracted services are typically invoiced as follows:

1. Dundas Geomatics – rate sheet attached, standard markup is 10%.
2. Lawrence & Associates – invoiced per attached H&K rate sheet, billing at project engineer level (\$150/hr).
3. Geochem Applications – these services are typically part of the fixed fee reporting task outlined in attached rate sheet. When staff services are required outside of the standard reporting task, their rate is \$150/hr, and standard markup is 10% (\$165/hr).
4. ATL Laboratory – unit rates for laboratory tests are listed on the attached H&K rate sheet

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 the County
- c. Location services were provided
- d. Date services were provided
- e. Unit price as found in attached Fee Schedules
- f. Extended price
- g. 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 maximum contract price will not exceed \$243,606.



PRICING INFORMATION
ON-CALL ENGINEERING AND SUPPORT SERVICES
NEVADA COUNTY SOLID WASTE FACILITIES

Personnel	Hourly Rate
Project Assistant	\$80
AutoCAD Operator	\$105
Technical Editor	\$82
Assistant Engineer/Geologist	\$120
Staff Scientist	\$135
Staff Engineer/Geologist	\$135
Project Engineer/Geologist	\$150
Senior Engineer/Geologist	\$165
Associate Engineer/Geologist	\$175
Principal	\$235
Expert Testimony and Deposition (four-hour minimum)	\$330
Engineering Technician I	\$89
Engineering Technician II	\$94
Engineering Technician III	\$100
Certified Welding Inspector (CWI/AWS)	\$111
Non-Destructive Testing (NDT) Technician	\$111
ASNT Level III	\$162
Supervisory Technician	\$120
Construction Services Manager I	\$147
Construction Services Manager II	\$162

Field Equipment	Unit Rate
All-Terrain Vehicle	\$45/Day
Cone Penetrometer	\$90 Half Day/\$155 Full Day
Core Drill Machine	\$150 Half Day/\$250 Full Day
DAQ III/Seismic Refraction Survey	\$355/Day
Excavator with Operator	\$130/Hour
Pachometer	\$42/Day
Schmidt Hammer	\$25/day
pH/Conductivity Meter	\$52/Day
Photoionization Detector (PID)	\$108/Day
Tension Ram	\$32/Day
Turbidity Meter	\$52/Day
Water Quality Meter (pH, conductivity, temperature, DO)	\$106/Day
1.5-Inch Pump and Controllers	\$139/Day
4-Inch Pump with Trailer	\$165/Day

Laboratory Analysis	Unit Rate
Semi-annual Groundwater Analysis	\$280
Semi-annual Surface Water Analysis	\$131
SWPPP Analysis	\$130
Semi-annual Vadose Zone Analysis	\$303
Semi-annual Leachate SI-1 Sump Analysis	\$156
Semi-annual Leachate Pump Station Analysis	\$451
Semi-annual Leachate Surface Impoundment Analysis	\$135
Trip Blanks (EPA 8260)	\$160
Field Duplicates (EPA 8270C)	\$160

Notes

- Mileage and hourly rates will be charged portal to portal. Mileage will be billed at \$0.65 per mile.
- Outside services will be billed at our cost plus 20 percent.
- Overtime rates for Saturday, Sunday, holiday, or over 8 hours/day: hourly rate plus \$32/Hour.
- A minimum 2-hour fee will be charged for scheduled site visits not cancelled in advance of arrival.
- Per Diem will be billed at cost plus 20 percent unless other arrangements are made.

DDGEO
DUNDAS GEOMATICS, INC.
GEOMATIC & CIVIL ENGINEERS

HOURLY RATE SCHEDULE

2018

PRINCIPLE-INCHARGE	\$180
PROJECT MANAGER / PE or LS.....	\$165
AERIAL MAPPING (DRONE).....	\$265
PROJECT ENGINEER / PROJECT SURVEYOR.....	\$120
DRAFTER / MODELER.....	\$85
SURVEY PARTY CHIEF (w/equipment in field).....	\$165 / \$220*
(Sites with Toxic Remediation Controls).....	\$185/ \$240*
SURVEY FIELD TECHNICAN (w/ Party Chief in field).....	\$60 / \$95*
(Sites with Toxic Remediation Controls).....	\$80/ \$105*
ADMIN	\$35
	Regular Rate / Prevailing Rate*
TRAVEL (Combined hourly rate x travel time one way)	