

**WHATCOM COUNTY
CONTRACT INFORMATION SHEET**

Whatcom County Contract Number:
202211003 - 1

Originating Department:	85 Health and Community Services
Division/Program: (i.e. Dept. Division and Program)	8540 Environmental Health / 854080 Solid Waste
Contract or Grant Administrator:	Jennifer Hayden
Contractor's / Agency Name:	Bennett Engineering, LLC

Is this a New Contract?	If not, is this an Amendment or Renewal to an Existing Contract?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If Amendment or Renewal, (per WCC 3.08.100 (a)) Original Contract #:	202211003	

Does contract require Council Approval?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If No, include WCC:	
Already approved? Council Approved Date:	(Exclusions see: Whatcom County Codes 3.06.010, 3.08.090 and 3.08.100)		

Is this a grant agreement?				
Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, grantor agency contract number(s):		CFDA#:	

Is this contract grant funded?		
Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, Whatcom County grant contract number(s):	

Is this contract the result of a RFP or Bid process?		Contract Cost Center:	
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If yes, RFP and Bid number(s): 22-31		140201

Is this agreement excluded from E-Verify?	No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>
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If YES, indicate exclusion(s) below:

<input type="checkbox"/> Professional services agreement for certified/licensed professional.	<input type="checkbox"/> Goods and services provided due to an emergency.
<input checked="" type="checkbox"/> Contract work is for less than \$100,000.	<input type="checkbox"/> Contract for Commercial off the shelf items (COTS).
<input type="checkbox"/> Contract work is for less than 120 days.	<input type="checkbox"/> Work related subcontract less than \$25,000.
<input type="checkbox"/> Interlocal Agreement (between Governments).	<input type="checkbox"/> Public Works - Local Agency/Federally Funded FHWA.

Contract Amount:(sum of original contract amount and any prior amendments):	Council approval required for; all property leases, contracts or bid awards exceeding \$40,000 , and professional service contract amendments that have an increase greater than \$10,000 or 10% of contract amount, whichever is greater, except when: 1. Exercising an option contained in a contract previously approved by the council. 2. Contract is for design, construction, r-o-w acquisition, prof. services, or other capital costs approved by council in a capital budget appropriation ordinance. 3. Bid or award is for supplies. 4. Equipment is included in Exhibit "B" of the Budget Ordinance 5. Contract is for manufacturer's technical support and hardware maintenance of electronic systems and/or technical support and software maintenance from the developer of proprietary software currently used by Whatcom County.
\$ 36,486	
This Amendment Amount:	
\$ 46,810	
Total Amended Amount:	
\$ 83,296	

Summary of Scope: This amendment extends the contract for an additional year and updates the budget to reflect 2024 pricing. This contract provides funding for landfill monitoring services at closed Cedarville and Y-Road landfills.

Term of Contract:	1 Year	Expiration Date:	12/31/2024
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Contract Routing:	1. Prepared by:	JT	Date:	09/07/2023
	2. Health Budget Approval	KR/JS	Date:	09/27/2023
	3. Attorney signoff:	RB	Date:	09/28/2023
	4. AS Finance reviewed:	A Martin	Date:	11/2/2023
	5. IT reviewed (if IT related):		Date:	
	6. Contractor signed:		Date:	
	7. Executive Contract Review:		Date:	
	8. Council approved (if necessary):	AB2023-737	Date:	
	9. Executive signed:		Date:	
	10. Original to Council:		Date:	

WHATCOM COUNTY CONTRACT AMENDMENT

PARTIES:

Whatcom County
Whatcom County Health and Community Services
509 Girard Street
Bellingham, WA 98225

AND CONTRACTOR:
Bennett Engineering, LLC
2324 James Street
Bellingham, WA 98225

CONTRACT PERIODS:

Original: 01/01/2023 – 12/31/2023
Amendment #1: 01/01/2024 – 12/31/2024

THE CONTRACT IDENTIFIED HEREIN, INCLUDING ANY PREVIOUS AMENDMENTS THERETO, IS HEREBY AMENDED AS SET FORTH IN THE DESCRIPTION OF THE AMENDMENT BELOW BY MUTUAL CONSENT OF ALL PARTIES HERETO

DESCRIPTION OF AMENDMENT:

1. Extend the duration and other terms and conditions of this contract for one year, as per the original contract “General Terms, Section 10.2 Extension”.
2. Amend Exhibit A – Scope of Work, to include Task 3.E, preparation of a PFAS Characterization Plan for the Cedarville Landfill, as required by the NPDES Permit.
3. Amend Exhibit B – Compensation, to reflect pricing for the extended contract period and increases the amount of sample analyses for new sample points.
4. Funding for this contract period (01/01/2024 – 12/31/2024) is not to exceed \$46,810.
5. Funding for the total contract period (01/01/2023 – 12/31/2024) is not to exceed \$83,296.
6. All other terms and conditions remain unchanged.
7. The effective start date of the amendment is 01/01/2024.

ALL OTHER TERMS AND CONDITIONS OF THE ORIGINAL CONTRACT AND ANY PREVIOUS AMENDMENTS THERETO REMAIN IN FULL FORCE AND EFFECT. ALL PARTIES IDENTIFIED AS AFFECTED BY THIS AMENDMENT HEREBY ACKNOWLEDGE AND ACCEPT THE TERMS AND CONDITIONS OF THIS AMENDMENT. Each signatory below to this Contract warrants that he/she is the authorized agent of the respective party; and that he/she has the authority to enter into the contract and bind the party thereto.

APPROVAL AS TO PROGRAM: _____
Sue Sullivan, Environmental Health Manager Date

DEPARTMENT HEAD APPROVAL: _____
Erika Lautenbach, Health and Community Services Director Date

APPROVAL AS TO FORM: _____
Royce Buckingham, Senior Civil Deputy Prosecutor Date

FOR THE CONTRACTOR:

Thomas E. Bennett, P.E. – Managing Member		
Contractor Signature	Printed Name and Title	Date

FOR WHATCOM COUNTY:

Satpal Singh Sidhu, County Executive Date

CONTRACTOR INFORMATION:

Bennett Engineering, LLC
2324 James Street
Bellingham, WA 98225
tomb@bennettengr.com

EXHIBIT "A" – Amendment #1
(SCOPE OF WORK)

I. Background

Cedarville Landfill

Cedarville has been a closed landfill since February 1990. Final closure improvements were completed in October 1993. A leachate management system was constructed in 2012, consisting of a retention pond, aeration and settling vaults, and bio-swale filtration.

All surface water and leachate sampling at the Cedarville landfill shall be in compliance with the Sampling and Analysis Plan (Cedarville SAP) dated January 2013. Included, are sampling parameters and procedures and reporting requirements. Quarterly surface water monitoring must be conducted at the Downstream Ditch sampling location in accordance with the Cedarville SAP, the current Industrial Stormwater General Permit (ISGP #WAR001280), and the National Pollutant Discharge Elimination System (NPDES – WA0501490) for the landfill. Discharge monitoring reports and visual inspection are to be prepared for each quarterly event.

Y-Road Landfills

The Y-Road landfills are comprised of two former landfill areas located on the west side (Y-Road I Landfill) and on the east side (Y-Road II Landfill) of Y-Road in Whatcom County. All monitoring must comply with the Revised Sampling and Analysis Plan (Y-Road SAP), dated October 2003 and revised in 2013. There are a total of four groundwater wells to be sampled, one surface water sampling location, and seven gas probes installed at the two sites.

The work of this contract is divided into four tasks, as follows:

Task 1: Project Management and Annual Compliance Report – Cedarville Landfill

Task 1.A Project Management

Project management includes project scoping and setup, invoice review, meetings, and correspondence with Whatcom County staff and outside vendors.

Task 1.B 2023 Annual Compliance Report

The 2013 SAP for the Cedarville landfill does not include semi-annual groundwater or landfill monitoring in 2023. As such, the Contractor will prepare the 2023 Annual Compliance Report, which will include a description of the activities performed at the Site during the year, summary tables for the data obtained under the ISGP and NPDES Permits and a discussion regarding compliance with permit limits and recommended maintenance items, as necessary. The 2023 Annual Compliance Report will be submitted to Whatcom County in PDF format via email prior to December 31, 2023.

Task 2: Surface Water Monitoring – Cedarville Landfill

Task 2.A Quarterly Sampling and Site Inspection

Stormwater monitoring and site inspection will be conducted in accordance with the ISGP, which calls for quarterly observations for oil sheen and surface water sampling at the Downstream Ditch (D.D.) and Upstream locations, and analysis of the following parameters: pH (field), turbidity, and total copper and

zinc. Visual inspections are performed during the quarterly events and include observations of uncontrolled discharges to the ground, floating materials, visible sheens, discoloration, turbidity, and odor.

Task 2.B Laboratory Testing

The Contractor will deliver water samples under proper chain of custody to Edge Analytical Laboratory immediately following the sampling events.

Task 2.C Quarterly Discharge Monitoring Reports and Visual Inspection Reports

The Contractor will enter quarterly Discharge Monitoring Reports (DMR) into Ecology's WebDMR system prior to the 15th day of the month, following the respective quarter. The DMRs are reviewed and validated by Whatcom County Health Department (WCHD) staff to complete the submittal process. Quarterly Visual Inspection Reports will be submitted to WCHD in PDF format on the day of the inspections, which will summarize site observations and provide a list of recommended actions, if necessary.

Task 2.D 2022 ISGP Annual Report

The draft 2022 ISGP Annual Report will be prepared using the Ecology template and submitted to WCHD for review and comment before April 15, 2023. The final report will be entered into Ecology's WebDMR system prior to the May 15, 2023 deadline.

Task 3: NPDES Permit Sampling – Cedarville Landfill Leachate Management System

Task 3.A NPDES Permit Sampling

Treated effluent will be sampled at Outfall #001 during the months of January through April, November and December 2023 (6 events total). Surface water samples will also be obtained in the drainage ditch to determine the turbidity at locations upgradient and downgradient of Outfall #001. The Contractor will measure field parameters (pH, conductivity and temperature) during each sampling event. The Contractor will deliver effluent samples under proper chain of custody to Edge Analytical Laboratory immediately following the sampling event.

Task 3.B Discharge Monitoring Reports

DMRs will be entered into Ecology's WebDMR system every month (12 total), regardless of the status of system discharge. County staff will review and validate the DMRs prior to the 28th day of the month following the sampling event.

Task 3.C Coordination of Annual O&M Work Items

The Contractor will develop a list of maintenance work items for the Leachate Management System (LMS), in accordance with the Operation & Maintenance Manual dated February 2013 and site observations made during the year. The Contractor will coordinate subcontractor services, as necessary, provide field support and observation during the maintenance work and submit associated field reports and photo documentation to Whatcom County following completion of the work.

Task 3.D Laboratory Testing

The Contractor will deliver effluent samples under proper chain of custody to Edge Analytical Laboratory immediately following the sampling events.

Task 3.E PFAS Characterization Plan for the Cedarville Landfill

The contractor will prepare a Polyflouroalkyl Substances (PFAS) Characterization Plan (Plan) to address the requirements of the NPDES Permit and will be prepared in accordance with the Department of Ecology's *Guidelines for Preparing Quality Assurance Project Plans (QAPP) for Environmental Studies*

(Ecology, 2004) and the QAPP developed by Ecology (2020), for the PFAS sampling conducted at several landfills in Washington State in 2020.

The Plan will include two years of quarterly PFAS sampling during Years 2 (2025) and 3 (2026) of the permit, with the first quarterly PFAS sampling event occurring during the period of January through March, 2025.

The Contractor will prepare a draft Plan and submit it to WCHCS and Ecology for review and comment by June 1, 2024.

The Contractor will complete a final Plan within two weeks of receipt of agency review comments and distribute it for final approval.

Task 4: Groundwater, Surface Water and Landfill Gas Monitoring – Y-Road Landfills

Landfill monitoring will be performed at the Y-Road landfills in accordance with the current SAP (revised 2013). Semi-annual monitoring events are scheduled for January and July 2023. Specifically, this task will include the work items listed below.

Task 4.A Semi-Annual Sampling and Inspection

Groundwater sampling will be conducted using low-flow methods, as described below.

1. The depth to water and depth to bottom will be measured to the nearest 0.01 foot in Monitoring Well (MW)-1, 3, 4, 5, 6, 7, 8, and 9 using an electric water level indicator and recorded in the field data sheets. The bottom elevations will be compared to previous readings to determine the depth of sediment accumulation and evaluate the need for well re-development.
2. MW 1, 3, 4, and 9 will be purged with a peristaltic pump at approximately 0.5 liter per minute. Purge water will be disposed on the ground. The water level probe will be used to monitor changes in water level during purging. The purge rate will be adjusted to minimize groundwater drawdown. Field parameters will be measured with field meters during purging. Sampling will begin when these parameters have stabilized. Groundwater samples will be collected directly from the discharge stream of the pump in appropriate sample containers provided by Edge Analytical Laboratory.
3. Field parameter readings, date, time, weather conditions, and any special field observations will be recorded on field data sheets for each monitoring well.
4. Sample bottles will be labeled with the date, sample location, sample depth, and sampler's name and placed into a cooler with ice or ice substitute.
5. Field sampling equipment will be decontaminated between each well.

Surface water sampling will be performed in Carpenter Creek using a polyethylene sample bottle immersed in water upstream of sampling personnel to avoid possible inclusion of suspended sediment, and then transferred to appropriate sample bottles supplied by Edge. Field parameter readings, date, time, weather conditions, and special field observations will be recorded on the field data sheet.

A visual inspection will also be performed during the semi-annual monitoring events and will include observations of the following items (at a minimum):

1. Landfill cover regarding vegetation and indications of erosion, seepage or subsidence;
2. Stormwater facilities regarding ponding, obstructions and indications of erosion;
3. Groundwater and gas monitoring wells with respect to physical condition; and
4. Flow in Carpenter Creek.

Task 4.B Laboratory Testing

The Contractor will deliver water samples to proper chain of custody to Edge Analytical Laboratory on the day of the semi-annual monitoring events. Dissolved metal samples will be filtered at the lab.

Task 4.C Semi-Annual Gas Probe Monitoring

Methane gas concentrations will be measured at the seven gas monitoring wells at the Y-Road II landfill using an RKI Eagle 2 combustible gas meter. The gas meter will be calibrated by the vendor using a 25% LEL methane standard and ambient oxygen conditions. Gas pressures will be measured at each well to the nearest 0.01 inches of water column using a digital manometer. The barometric pressure during the semi-annual monitoring events will be obtained from data recorded by the National Weather Service at the Bellingham International Airport.

Task 4.D Semi-Annual Report

The Semi-Annual Report will include a discussion of site conditions observed during the January 2023 event, analytical results, groundwater flow direction and velocity, and summary tables for groundwater, surface water and gas monitoring results. Groundwater contour maps, field data sheets and laboratory results will be attached to the report along with chain of custody documentation. The Semi-Annual Report will be submitted to WCHD in electronic PDF within 30 days of receipt of the analytical data.

Task 4.E 2023 Annual Report

The 2023 Annual Report for the Y-Road Landfills will be prepared following the July 2023 event and will include time-series plots for conductivity, chloride, and total barium, iron and manganese, qualitative analysis of water quality trends, summary tables of historic analytical data, and other data as previously described under Task 4.D for the Semi-Annual Report. The 2023 Annual Report will be submitted to WCHD in electronic PDF prior to September 30, 2023.

EXHIBIT "B" – Amendment #1
(COMPENSATION)

I. **Budget and Source of Funding**: The source of funding for this contract period (01/01/2024 – 12/31/2024), in an amount not to exceed \$46,810, is the Whatcom County Solid Waste Fund. The budget for this contract is indicated in the six pages to follow.

II. **Invoicing**

1. The Contractor shall submit invoices to (*include contract/PO #*) HL-BusinessOffice@whatcomcounty.us.
2. The Contractor shall submit itemized invoices on a monthly basis in a format approved by the County. Monthly invoices must be submitted by the 15th of the month following the month of service. Invoices submitted for payment must include the items identified in the table above.
3. Payment by the County will be considered timely if it is made within 30 days of the receipt and acceptance of billing information from Contractor. The County may withhold payment of an invoice if the Contractor submits it more than 30 days after the expiration of this contract.

4. Invoices must include the following statement, with an authorized signature and date:

I certify that the materials have been furnished, the services rendered, or the labor performed as described on this invoice.

5. **Duplication of Billed Costs or Payments for Service**: The Contractor shall not bill the County for services performed or provided under this contract, and the County shall not pay the Contractor, if the Contractor has been or will be paid by any other source, including grants, for those costs used to perform or provide the services in this contract. The Contractor is responsible for any audit exceptions or disallowed amounts paid as a result of this contract.

**RECOMMENDED BUDGET
REVISED 10-12-2023**

**2024 LANDFILL MONITORING AND MAINTENANCE SERVICES
CEDARVILLE AND Y-ROAD LANDFILLS**

TASK 1 - PROJECT MANAGEMENT & ANNUAL COMPLIANCE REPORT CEDARVILLE LANDFILL		RECOMMENDED BUDGET		
		Time	Rate	Total
Task 1.A - Project Management				
Project Scoping and Setup		2	\$140.00	\$280.00
Invoice Review		12	\$140.00	\$1,680.00
Correspondence With County, Ecology, and Outside Vendors		16	\$140.00	\$2,240.00
Task 1.A Total				\$4,200.00
Task 1.B - Annual Compliance Report				
2024 Annual Compliance Report (Due Dec. 2024)		12	\$140.00	\$1,680.00
Task 1.B Total				\$1,680.00
		TASK 1 TOTAL: \$5,880.00		
TASK 2 - SURFACE WATER MONITORING CEDARVILLE LANDFILL		RECOMMENDED BUDGET		
		Time	Rate	Total
Task 2.A - Quarterly Sampling and Site Inspection				
Quarterly Sampling Events	Events	4	\$130.00	\$2,080.00
Field Monitoring Equipment		4	\$25.00	\$100.00
Quarterly Visual Inspection Report		4	\$140.00	\$560.00
Task 2.A Total				\$2,740.00
Task 2.B - Laboratory Testing (Edge Analytical)				
		Quantity	Rate	Total
Turbidity		12	\$19.00	\$228.00
Total Metals (Cu and Zn)		12	\$50.00	\$600.00
	<i>Task 2.2 Subtotal</i>			<i>\$828.00</i>
	<i>Markup (7.5%)</i>			<i>\$62.00</i>
Task 2.B Total				\$890.00
Task 2.C - Quarterly Discharge Monitoring Reports/Visual Insp. Reports				
Quarterly Discharge Monitoring Reports	Events	4	\$140.00	\$560.00
Quarterly Visual Inspection Report		4	\$140.00	\$560.00
Task 2.C Total				\$1,120.00
Task 2.D - 2022 ISGP Annual Report				
2023 ISGP Annual Report to Ecology - Due May 15, 2024		5	\$140.00	\$700.00
		TASK 2 TOTAL: \$5,450.00		
TASK 3 - NPDES PERMIT SAMPLING CEDARVILLE LANDFILL		RECOMMENDED BUDGET		
		Time	Rate	Total
Task 3.A - Monthly Effluent Sampling				
Field Sampling Events (Jan-April and Nov-Dec 2024)	Events	6	\$130.00	\$3,120.00
Field Monitoring Equipment		6	\$25.00	\$150.00
Peristaltic Pump		6	\$75.00	\$450.00
Task 3.A Total				\$3,720.00
Task 3.B - Monthly Discharge Monitoring Reports				
Discharge Monitoring Reports	Events	12	\$140.00	\$3,360.00
Task 3.C - Coordination of Annual O&M Work Items				
Work Item Punchlist/Field Observation/Reporting		8	\$140.00	\$1,120.00
Task 3.C Total				\$1,120.00
Task 3.D - Laboratory Testing (Edge Analytical)				
		Quantity	Rate	Total
Biological Oxygen Demand		6	\$61.00	\$366.00
Total Suspended Solids		6	\$24.00	\$144.00
Turbidity		18	\$19.00	\$342.00
Chloride		6	\$25.00	\$150.00
Total Metals (As, Ba, Cu, Fe, Mn, Ni, and Zn)		1	\$175.00	\$175.00
Ammonia		1	\$25.00	\$25.00
Alpha Terpineol/Benzoic Acid/p-Cresol/Phenol		1	\$262.00	\$262.00
Sulfate		1	\$25.00	\$25.00
Nitrate + Nitrite		1	\$25.00	\$25.00
Soluble Reactive Phosphorus		1	\$28.00	\$28.00
Total Organic Carbon		1	\$51.00	\$51.00
	<i>Task 3.4 Subtotal</i>			<i>\$1,593.00</i>
	<i>Markup (7.5%)</i>			<i>\$120.00</i>
Task 3.D Total				\$1,713.00
Task 3.E - PFAS Characterization Plan				
Draft Plan Preparation - Submit to WCHD/Ecology for Review Comments		32	\$140.00	\$4,480.00
Final Plan Preparation - Submit to WCHD/Ecology for Approval		8	\$140.00	\$1,120.00
Task 3.E Total				\$5,600.00
		TASK 3 TOTAL: \$15,513.00		

BENNETT ENGINEERING, LLC

1

PROJECT: 24003

**RECOMMENDED BUDGET
REVISED 10-12-2023**

**2024 LANDFILL MONITORING AND MAINTENANCE SERVICES
CEDARVILLE AND Y-ROAD LANDFILLS**

TASK 4 - GROUND WATER, SURFACE WATER, AND LANDFILL GAS MONITORING - Y-ROAD LANDFILL		RECOMMENDED BUDGET		
Task 4.A - Semi-Annual Ground/Surface Water Sampling	Events	Time	Rate	Total
Sampling Events and Inspection	2	12	\$130.00	\$3,120.00
Field Sampling Equipment/Supplies (w/ 7.5% Markup)	2		\$400.00	\$800.00
Task 4.A Total				\$3,920.00
Task 4.B - Laboratory Testing (Edge Analytical) 4 Monitoring Wells/Surface Water		Quantity	Rate	Total
Total Suspended Solids		10	\$24.00	\$240.00
Total Dissolved Solids		10	\$24.00	\$240.00
Turbidity		10	\$19.00	\$190.00
Chloride		10	\$25.00	\$250.00
Nitrate		10	\$25.00	\$250.00
Nitrite		10	\$25.00	\$250.00
Ammonia		10	\$25.00	\$250.00
Total Organic Carbon		10	\$51.00	\$510.00
Hardness		2	\$29.00	\$58.00
Sulfate		10	\$25.00	\$250.00
Chemical Oxygen Demand		10	\$44.00	\$440.00
Biochemical Oxygen Demand		2	\$61.00	\$122.00
Total Metals (As, Ba, Fe, Mn, Hg, Pb, Zn)		10	\$146.00	\$1,460.00
Dissolved Zn + Lab Filtration (Surface Water Sample)		2	\$25.00	\$50.00
	<i>Task 4.2 Subtotal</i>			<i>\$4,560.00</i>
	<i>Markup (7.5%)</i>			<i>\$342.00</i>
Task 4.B Total				\$4,902.00
Task 4.C - Semi-Annual Gas Probe Monitoring	Events	Time	Rate	Total
Gas Monitoring Events	2	2	\$130.00	\$520.00
Task 4.D - Semi-Annual Report		Time	Rate	Total
Report Preparation		8	\$140.00	\$1,120.00
Data Validation/Database Maintenance		2	\$140.00	\$280.00
Drafting - Ground Water Contour Maps		2	\$80.00	\$160.00
Task 4.D Total				\$1,560.00
Task 4.E - Annual Report		Time	Rate	Total
Report Preparation		12	\$140.00	\$1,680.00
Data Validation/Database Maintenance		2	\$140.00	\$280.00
Time Series Plots		6	\$140.00	\$840.00
Drafting - Ground Water Contour Maps		2	\$80.00	\$160.00
Task 4.E Total				\$2,960.00
TASK 4 TOTAL:				\$13,862.00
SUBTOTAL:				\$40,705.00
* CONTINGENCY (15%):				\$6,105.00
TOTAL CONTRACT BUDGET:				\$46,810.00

*The Contractor will not expend any contingency funds without prior written authorization of the County.



Analytical Services Quotation

Client: Bennett Engineering
 Client ID: BEN03
 Prepared for: Tom Bennett

Start date: 1-1-24
 Good through: 12-31-23

Estimated 10 to 12 BD TAT for inorganics and 20 to 25 BD for organics

Services and materials included in pricing:

- Results online, PDF or Hard Copy
- Bottles and coolers for transport

Hilltop Landfill

Test Parameter	Price Per Test
BOD5	\$60.80
TSS	\$23.20
Ammonia-N	\$24.80
NWTPH DX	\$102.40
Turbidity	\$18.40
Chloride	\$24.80
Zinc, Total	\$24.80
Benzoic Acid, Alpha Terpineol, p-Cresol & Phenol (8270)	\$261.60
Sulfate	\$24.80
Nitrate-N	\$24.80
Hardness	\$28.80
Dissolved Oxygen	\$24.80
TOC	\$50.40
Soluble Reactive Phosphate (SRP or o-PO4)	\$27.20
Arsenic, Total	\$24.80
Iron, Total	\$24.80
Iron, Dissolved	\$24.80
Manganese, Total	\$24.80
Manganese, Dissolved	\$24.80

Airport Landfill

Test Parameter	Price Per Test
BOD5	\$60.80
TSS	\$23.20
Total Ammonia	\$24.80
Nitrate plus Nitrite N	\$24.80
Chloride	\$24.80
Oil and Grease	\$76.00
Phosphorus (Total)	\$28.00
Soluble Reactive Phosphorus (as P)	\$27.20
Benzoic Acid, Alpha Terpineol, p-Cresol & Phenol (8270)	\$261.60
Zinc (Total)	\$24.80

Cedarville Landfill

Test Parameter	Price Per Test
BOD5	\$60.80
TSS	\$23.20
Turbidity	\$18.40
Chloride	\$24.80
Benzoic Acid, Alpha Terpineol, p-Cresol & Phenol (8270)	\$261.60
Total Ammonia	\$24.80
Sulfate	\$24.80
Nitrate plus Nitrite N	\$24.80
TOC	\$50.40
Soluble Reactive P	\$27.20
Copper (as total metal)	\$24.80
Manganese	\$24.80
Zinc (as total metal)	\$24.80
Arsenic (as total metal)	\$24.80
Barium (as total metal)	\$24.80
Iron (as total metal)	\$24.80
Nickel (as total metal)	\$24.80

Y-Road Landfill

Test Parameter	Price Per Test
Chloride	\$24.80
Sulfate	\$24.80
Nitrate-N	\$24.80
Nitrite-N	\$24.80
Ammonia-N	\$24.80
COD	\$43.20
BOD5	\$60.80
TOC	\$50.40
TSS	\$23.20
TDS	\$24.00
Turbidity	\$18.40
Hardness	\$28.80
Total Metals (As, Ba, Fe, Hg, Mn, Pb, Zn) 7 metals	\$145.60
Dissolved Zinc	\$24.80

Orcas Island Landfill

Test Parameter	Price Per Test
Ammonia	\$24.80
Total Metals (Ca, Fe, Mn, K, Na, Zn) 6 metals	\$129.60
Arsenic, Total	\$24.80
Arsenic, Dissolved	\$24.80
Chloride	\$24.80
Nitrite	\$24.80
Nitrate	\$24.80
Sulfate	\$24.80
Total Alkalinity	\$31.20
Total Dissolved Solids	\$24.00
Total Organic Carbon	\$50.40
Total Suspended Solids	\$23.20
Volatile Organic Compounds	\$270.40
Volatile Organic Compounds, SIM	\$100.00

Whatcom County Shops

Test Parameter	Price Per Test
NWTPH-G/BTEX.W	\$126.40
NWTPH-DX	\$102.40
Total Cu	\$24.80
Total Zn	\$24.80
Turbidity	\$18.40

Please note credit cards will be charged a 3% surcharge
pay by debit, checks and ACH to avoid 3% surcharge.

Thank you for your review.

Sandy Skrabut
360-757-1400 ext. 102



2024 SCHEDULE OF FEES – BENNETT ENGINEERING, LLC

Charges for services provided by Bennett Engineering, LLC will be invoiced on the basis of the following schedule of fees. Billing rates for 2024 are as follows:

PERSONNEL:	TASK CODE	RATE
STAFF ENGINEER	300.....	\$ 80.00
SENIOR ENGINEER I	500.....	\$120.00
SENIOR ENGINEER II	510.....	\$130.00
PROJECT MANAGER.....	520.....	\$140.00
HEARING/EXPERT TESTIMONY	700.....	\$160.00

EXPENSES:

Subconsultant Services	Cost + 7.5%
Direct Project Expenses	Cost + 7.5%

Field equipment will be charged in accordance with the following schedule:

EQUIPMENT:

Disposable Bailers, each	\$10.00
Peristaltic Pump, per day.....	\$75.00
Soil Sampling Equipment, per day	\$50.00
Field Monitoring Equipment, per day	\$25.00
Field Manometer, per day	\$25.00
Field Filter Pump and Assembly, per day	\$50.00
Generator	\$75.00