

Formal Task Assignment Document

2019 – 2022 SNOHOMISH COUNTY ON-CALL TASK ASSIGNMENT

Name of Project: 2020-2021 Stormwater Compliance Services
Project Number: Airport
Discipline: Engineering Services
Task No.: TA #1a Completion Date: 12/31/2023

The COUNTY desires to authorize services pursuant to the AGREEMENT entered into with **Landau Associates, Inc.**, and executed on December 24, 2018, as amended by Supplement No. 1 on May 22, 2019, as amended by Supplement No. 2 on February 25, 2020, as amended by Supplement No. 3 on March 2, 2021, as amended by Supplement No. 4 on June 29, 2021, and identified as Agreement No. **OCC19/1-7.8(AP)**, On-Call Consultant Services for **Environmental Site Assessment**.

All provisions in the AGREEMENT remain in effect except as expressly modified by this TASK ASSIGNMENT, and are incorporated herein by reference.

ATTACHED TO THIS TASK ASSIGNMENT

- Scope of Work
- Cost Estimate with Total Hours to Perform Work
- Items unique to the project not included in the AGREEMENT and which are to be reimbursed at cost with no markup.

The **Total Amount Authorized** under this TASK ASSIGNMENT, inclusive of all fees and other costs is **\$98,341.77**. **No other payment shall be allowed unless a TASK ASSIGNMENT Supplement for changed Scope of Work has been signed and authorized before work is performed.**

All work under this TASK ASSIGNMENT shall be performed pursuant to the terms, conditions, specifications, and limitations contained in the AGREEMENT.

If you concur with this TASK ASSIGNMENT and agree to the items as stated above, please sign and date in the appropriate spaces below and return to the COUNTY for final action.

Consultant Signature

Approving Authority

November 16, 2021

Snohomish County Public Works
3000 Rockefeller Avenue, MS-607
Everett, WA 98201

Attn: Mr. Andrew Rardin, Airport Environmental Manager

Transmitted via email to: andrew.rardin@co.snohomish.wa.us

**Re: Proposed Amendment for Task Authorization Number #1
Scope of Services and Recommended Budget
Paine Field/Snohomish County Airport
Everett, Washington**

Dear Mr. Rardin:

Landau Associates, Inc. (LAI) is pleased to provide you with this proposed scope of services and budget to conduct National Pollutant Discharge Elimination System (NPDES) stormwater permit compliance services during the period January 1, 2022 through December 31, 2023, as well as compliance services related to Salmon-Safe Certification during the same period at Paine Field/Snohomish County Airport (Airport). These services will be provided under LAI's 2019-2022 On-Call Consultant Services contract (Engineering Services-Environmental Site Assessment and Geotechnical – Agreement Number: OCC19/1-7.8[AP]) with Snohomish County (County) and applicable supplements to the agreement. The proposed stormwater permit compliance services and compliance services related to Salmon-Safe Certification described in this letter represent an extension of services provided under previous on-call contracts and authorizations from the County. LAI assumes that a new Task Authorization will be issued for completing the scope of services described herein.

Proposed Scope of Stormwater Compliance Services

LAI's proposed scope of services covers anticipated stormwater compliance activities required under the Airport's existing Washington State Department of Ecology (Ecology) industrial stormwater general permit (Industrial Permit; Permit No. WAR000428) for the period that extends from January 1, 2022 through December 31, 2023. LAI's proposed scope also covers expanded water quality sampling to support the Airport's Dream Greener Program and stormwater consulting services for the Airport's compliance under the County's Phase I Municipal Stormwater General Permit (Municipal Permit; Permit No. WAR044502). These services include the major tasks described below.

Task 1.1: Stormwater Sampling, Inspections, and Reporting

This task includes labor and equipment for conducting the 2022-2023 quarterly stormwater sampling at designated stormwater outfall stations, preparing quarterly Discharge Monitoring Reports (DMRs)

for electronic submittal (by the Airport), and conducting monthly visual stormwater inspections. For the purposes of the budget estimates listed below, this scope assumes that the two designated sampling locations at Big Gulch Creek (BGC) and at the pond referred to as Lake Stickney-South (LSS) will continue to be sampled through 2023. Quarterly sampling and reporting will be required under the Industrial Permit with potentially extra sampling during a quarter in order to use the Industrial Permit's provision of reporting sample averages if multiple samples are collected in a given quarter. For costing purposes, we have assumed a total of 16 sampling events between January 1, 2022 and December 31, 2023, or two events per quarter.

Quarterly sampling will also include collecting one set of samples per quarter at the following three additional locations in accordance with the Airport's Dream Greener Program: Alpha Pond (Japanese Gulch), Lake Stickney North (Swamp Creek North), and Smuggler's Gulch Pond (Smuggler's Gulch). The results of this sampling will be managed and reported to the Airport separately from the results obtained in support of the Airport's Industrial Permit. For costing purposes, only eight sampling events are planned at these locations (one per quarter) because additional sampling for averaging will not be necessary.

Task 1.1 sampling also includes collection of influent and effluent samples from each of the four downspout media filters that were installed for a pilot test at the East Condo Hangars in late 2015. The samples will be analyzed for total zinc during two separate events (once per calendar year in the 4th quarter). These data will be managed and reported separately from the Permit-required sampling data.

This task includes using a combination of calibrated field meters and laboratory analysis at an accredited laboratory to analyze samples for the following parameters: zinc, copper, pH, and turbidity. A visual check for oil sheen at the two designated sampling locations, BGC and LSS, is also included. To comply with Condition 11 in the Airport's Salmon-Safe Certification, samples will also be analyzed for total petroleum hydrocarbons (TPH) at the two designated sampling locations, BGC and LSS. Sampling data collected will be recorded on sampling field forms and in a spreadsheet database. This information will be provided to the Airport each quarter along with the DMR to be filed with the Airport's Stormwater Pollution Prevention Plan (SWPPP). This task will include periodically checking Ecology's stormwater database to see if it is accurately recording data received from the Airport.

The Industrial Permit requires that the Airport perform at least one visual stormwater inspection (as described below) each month. Task 1.1 includes conducting 24 monthly visual stormwater inspections from January 1, 2022 through December 31, 2023; when feasible, inspections will be conducted at the same time that the quarterly sampling is performed. Each inspection will include the required inspection components from Section S7 (A&B) of the Industrial Permit, as summarized below:

- Observations for the presence of floating materials, visible oil sheen, discoloration, turbidity, odor, or illicit discharges at sampling locations (BGC and LSS) and at other areas where

stormwater associated with industrial activity is discharged off site (Japanese Gulch, Lake Stickney North, Smuggler's Gulch, and Swamp Creek Pond).

- A verification that the descriptions of potential pollutant sources described in the SWPPP are accurate and up to date.
- A verification that the site map in the SWPPP reflects current conditions.
- Inspection of equipment and vehicles for leaking fluids such as oil, antifreeze, etc.
- An assessment of best management practices (BMPs) that have been implemented, effectiveness of BMPs inspected, whether BMP maintenance is needed, and locations where additional or different BMPs are needed. BMPs to be inspected include those in the raw material storage area, oil recycling areas, small aircraft washing areas, downspout media filter area, and the maintenance area (which includes the vehicle wash area).

Inspection information will be recorded on a monthly inspection form, which will be provided to the Airport to be kept within the Airport's SWPPP. Please note that LAI's services do not include conducting the inspections for stormwater management facilities associated with the Municipal Permit. A separate task regarding the Municipal Permit is described in Task 1.5 of this proposal.

This task also includes a contingent budget of \$5,000 for sampling and analyzing per- and polyfluoroalkyl substances (PFAS) in facility stormwater, which might be required by Ecology in 2023 based on the US Environmental Protection Agency (EPA) document "PFAS Strategic Roadmap: EPA's Commitments to Action 2021-2024,"¹ which states that the EPA will issue new guidance to state permitting authorities to address PFAS in NPDES permits (i.e., Ecology Industrial Permit).

The exact requirements for the sampling, including frequency, have not yet been established; therefore, this scope assumes that PFAS sampling will be required only at the two Permit locations (BGC and LSS) and only eight sampling events are planned at these two locations (one per quarter). For costing purposes, LAI assumes that the PFAS sampling can be conducted during the regular quarterly stormwater sampling events.

Task 1.2: Stormwater Pollution Prevention Plan Updates

The SWPPP will be updated/modified, as needed, in accordance with the Industrial Permit to address the following items:

- Document Level One corrective action responses
- Implement new BMPs on County-owned and -operated areas of the Airport (i.e., not on tenant-leased areas)
- Document changes to the existing SWPPP facility assessment and site map.

Revisions to the SWPPP to incorporate changes to the Permit are not anticipated during this contract period because the current permit does not expire until December 31, 2024. This task includes

¹ <https://www.epa.gov/pfas/pfas-strategic-roadmap-epas-commitments-action-2021-2024>.

evaluating monitoring results as they are received and recommending modifications to existing operational BMPs or adding new operational BMPs. For example, this task includes evaluation of measures that may be taken to address the occasional exceedance of zinc or other benchmarks in accordance with Level One corrective actions.

Based on historical data from the Airport and the Industrial Permit provision to allow for averaging of sample results within a quarter, it is not anticipated that more involved corrective actions (Level Two or Level Three) would be required. However, if Level Two or Level Three corrective actions are triggered, assistance with the structural or treatment BMPs, along with the corresponding SWPPP updates that would be required, are addressed under Task 1.7 of this proposal.

Task 1.3: Annual Report Preparation

The Industrial Permit requires permittees to prepare and submit an annual report to Ecology no later than May 15 of each year using a form provided by Ecology. The purpose of the report is to document the status of corrective actions taken or started during the previous calendar year. This task includes preparation and submittal of the 2022 and 2023 annual reports covering the 2021 and 2022 calendar years, respectively.

Task 1.4: Annual Stormwater Training

This task includes leading an approximately 45-minute training session in 2022 that meets the intent of the Employee Training requirements contained in Special Condition S3B5 of the Industrial Permit. In addition to the actual training, this task includes training preparation and coordination with the Airport on training content.

Task 1.5: Municipal Permit Support

This task includes assisting the Airport in implementing the requirements of the County's Phase I Municipal Stormwater Permit. Assistance may include working with Airport personnel in preparing for an audit of the County's Phase I Municipal Permit program, developing or enhancing the Airport's existing stormwater management facility operations and maintenance (O&M) inspection program, mapping of stormwater systems at the Airport, and modifying sections of the 2016 Stormwater Implementation Plan for the Airport. LAI anticipates that this task will involve one or more meetings at the Airport and/or at the County offices in Everett to review reports and compliance forms.

Task 1.6: Meetings and Project Management

This task includes attendance at two project meetings to discuss technical and/or contract and program management issues. This task also includes performing routine project and contract management activities such as staffing, invoice preparation, financial review, and client communications.

Task 1.7: Additional Compliance Assistance as Requested

This task includes providing general stormwater-related consulting and assistance for issues that arise while interpreting stormwater requirements for the Airport. Examples of this type of assistance performed by LAI under a previous contract include the research and follow-up discussions with the Airport regarding the use of certain de-icing materials and secondary containment requirements for mobile fueling tanks.

Other tasks that may be requested by the Airport (depending on stormwater sampling results) include Level Two and/or Level Three corrective actions, which would require additional structural and/or treatment BMPs to be implemented and the SWPPP updated accordingly. If a Level Three corrective action is needed, LAI would prepare a section in the SWPPP that documents the treatment BMPs chosen and would also provide a professional engineer (PE) stamp. Depending on the treatment BMPs chosen, LAI could also assist with BMP implementation. This task also includes providing technical assistance to the Airport in the evaluation of data from the downspout media filter pilot test.

Scope of Salmon-Safe Compliance Services

LAI's proposed scope of services covers compliance activities related to the Airport's Salmon-Safe Certification for the period that extends from January 1, 2022 through December 31, 2023. LAI's proposed scope will support Conditions 1, 4, 5, 7, 9, and 12 as outlined in the document "Report of the Science Team Regarding Salmon-Safe Certification of the Snohomish County Airport (Paine Field), Snohomish County, Washington," by Salmon-Safe (Salmon-Safe 2018). (Note that services related to compliance with Salmon-Safe Certification Conditions 2 and 11 are included in the scope of stormwater compliance services described above.) LAI assumes that the County will either self-perform or separately subcontract for support on Salmon-Safe Pre-Conditions 1, 2, and 3, and portions of or all of Conditions 1, 3, 6, 8, and 10. Salmon-Safe compliance services include the following major tasks.

Task 2.1: Stormwater Loading Analysis

This task supports Condition 1 and includes developing a mass-loading analysis incorporating watershed-level flow modeling prepared by others. The Stormwater Loading Analysis technical memorandum (LAI 2020a) was submitted to Salmon-Safe on August 19, 2020 and Condition 1 was marked as complete by Salmon-Safe on August 24, 2020.

Task 2.2: Water Conservation Plan Updates

This task supports Condition 4 and includes annual updates (up to two total updates) to the previously prepared Water Conservation Plan. The Water Conservation Plan (LAI 2020c) was submitted to Salmon-Safe on July 24, 2020 and Condition 4 was marked complete by Salmon-Safe on July 28, 2020.

The Water Conservation Plan will be updated annually to include the previous water-year usage data and the percent change from the previous year. The plan will also be modified, as needed, to document changes to the irrigation areas as well as new water conservation practices that are implemented at the Airport.

Deliverables

Two draft and two final updated Water Conservation Plans are included in the estimated budget. Draft documents will be delivered in electronic format only (Word and PDF); final copies will be delivered in electronic format (PDF) and as a single paper copy.

Task 2.3: Soil Testing for Nutrient Management

This task supports Condition 7 and includes ongoing collection and laboratory analysis of soil samples. LAI will assist the County to identify recommendations for fertilizer application based on those testing results, and on input from technical experts not employed by fertilizer vendors (e.g., Washington State University County agricultural extension). Condition 7 requires that periodic soil testing be conducted, with the results and associated fertilizer application rates summarized and submitted annually to Salmon-Safe for review.

The 2020 Soil Testing Report (LAI 2020b) was submitted to Salmon-Safe on August 25, 2020 and Condition 7 was marked complete by Salmon-Safe on August 26, 2020. The 2021 Soil Testing Report (LAI 2021b) was submitted to Salmon-Safe and Condition 7 was marked complete by Salmon-Safe.

LAI will prepare two annual Soil Testing Reports, which the County will forward to Salmon-Safe for review. The reports will include a summary of that years' soil sampling data, as well as each year of data added to previous data such that it is presented in the form of a trend analysis. LAI assumes one round of soil testing per year, consisting of up to 10 soil samples and up to two field days for two staff members per sampling event. Soil analysis cost is estimated at \$54 per sample. The estimated budget covers 2 years of sampling and analysis.

Deliverables

Two draft and two final updated Soil Testing Reports (2 years of reporting) are included in the estimated budget. Draft documents will be delivered in electronic format only (Word and PDF); final copies will be delivered in electronic format (PDF) and as a single paper copy.

Task 2.4: Maintenance Area Fuel Tanks Secondary Containment Recommendations

This task supports Condition 1 and includes an assessment of the two aboveground storage tanks, one containing gasoline and the other containing diesel fuel, located in the vehicle maintenance area. The Secondary Containment Assessment technical memorandum (LAI 2019) was submitted to Salmon-Safe

on November 27, 2019 and Condition 9 was marked as complete by Salmon-Safe on December 2, 2019.

Recommended Budget

LAI's recommended budget for completion of this scope of services is \$104,400, as summarized below, and as detailed in Table 1 (Consultant Fee Determination).

Task	Budget Estimate
Stormwater Compliance Services	
Task 1.1: Stormwater Sampling, Inspections, and Reporting	\$41,700
Task 1.2: Stormwater Pollution Prevention Plan Updates	\$6,600
Task 1.3: Annual Report Preparation (two reports)	\$2,000
Task 1.4: Annual Stormwater Training	\$2,800
Task 1.5: Municipal Permit Support	\$6,700
Task 1.6: Meetings and Project Management	\$6,100
Task 1.7: Additional Compliance Assistance as Requested	\$8,700
Subtotal	\$74,600
Salmon-Safe Compliance Services	
Task 2.1: Stormwater Loading Analysis	\$5,000
Task 2.2: Water Conservation Plan Updates	\$4,200
Task 2.3: Soil Testing for Nutrient Management	\$12,600
Task 2.4: Maintenance Area Fuel Tanks Secondary Containment Recommendations	\$2,000
Subtotal	\$23,800
Total	\$98,400

LAI's services will be provided on a time-and-expenses basis in accordance with the terms and conditions of LAI's 2019-2022 On-Call Consultant Services contract with the County and applicable supplements to the agreement.

Project Team

LAI's project staff will include Rosemary Trimmer, Katherine Saltanovitz, Jerry Ninteman, Meghan Veilleux, Devan King, Stephanie Renando, and other Seattle-based staff as needed. Rosemary Trimmer, Senior Project Scientist, has 10 years of experience with industrial stormwater sampling, source trace investigations, and treatment installation and maintenance projects. Rosemary will manage the project, oversee stormwater compliance and monitoring activities, and prepare DMRs, Annual Reports, and SWPPP Updates. Stephanie Renando, Project Scientist, Devan King, Technician, and other Seattle-based staff will perform field stormwater monitoring activities.

Katherine Saltanovitz, PE, is a Senior Associate Engineer with 17 years of experience in design, permitting, and construction oversight of stormwater control and treatment systems for a range of industrial sites. Katherine will lead the Salmon-Safe compliance services described in this letter and will be assisted by other Seattle-based staff as needed. Jerry Ninteman, PE, has more than 35 years of environmental consulting experience and has assisted with permit compliance and prepared and implemented SWPPPs under the Industrial Permit at more than 20 Pacific Northwest facilities. Jerry will provide senior review and oversight for this project.

* * * * *

Thank you for the opportunity to provide you with this proposal. If you have any questions or comments regarding any part of this proposal, please do not hesitate to contact us. We look forward to working with you and the County through 2023.

LANDAU ASSOCIATES, INC.



Meghan D. Veilleux, PE
Project Engineer



Rosemary W. Trimmer
Senior Project Scientist, Project Manager



Jerry R. Ninteman, PE
Principal, Contract Manager

MDV/RWT/JRN/ccy
2022-9694

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References

- LAI. 2019. Technical Memorandum: Salmon-Safe Condition 9, Secondary Containment Assessment, Paine Field/Snohomish County Airport, Everett, Washington. Landau Associates, Inc. November 22.
- LAI. 2020a. Technical Memorandum: Salmon-Safe Condition 1, Stormwater Loading Analysis, Snohomish County Airport/Paine Field, Everett, Washington. Landau Associates, Inc. August 19.
- LAI. 2020b. Soil Testing for Nutrient Management Report, Snohomish County Airport/Paine Field, Everett, Washington. Landau Associates, Inc. August 25.
- LAI. 2020c. Water Conservation Plan, Snohomish County Airport/Paine Field, Everett, Washington. Landau Associates, Inc. July 23.
- LAI. 2021a. Salmon-Safe Certification Condition 12 Report, Snohomish County Airport/Paine Field, Everett, Washington. Landau Associates, Inc. September 13.
- LAI. 2021b. Soil Testing for Nutrient Management Report, Snohomish County Airport/Paine Field, Everett, Washington. Landau Associates, Inc. August 4.
- Salmon-Safe. 2018. Report of the Science Team Regarding Salmon-Safe Certification of the Snohomish County Airport (Paine Field), Snohomish County, Washington. Salmon-Safe Inc. August 3.

Attachments

Table 1: Consultant Fee Determination

**Consultant Fee Determination
2022-2023 Stormwater Compliance Services and 2022-2023 Salmon-Safe Compliance Services
Paine Field/Snohomish County Airport – Everett, Washington**

Task 1: Stormwater Compliance Services

Task 1.1: Stormwater Sampling, Inspections, and Reporting				
Position Classification	Quantity	Unit	Unit Rate (a)	Requested Budget
Labor: Principal	1	Hours	\$237.81 ✓	\$237.81 ✓
Labor: Senior Project	27	Hours	\$139.34 ✓	\$3,762.18 ✓
Labor: Project	83	Hours	\$127.47 ✓	\$10,580.01 ✓
Labor: CAD Technician	2	Hours	\$104.76 ✓	\$209.52 ✓
Labor: Project Coordinator	8	Hours	\$113.62 ✓	\$908.96 ✓
Labor: Technician	220	Hours	\$69.84 ✓	\$15,364.80 ✓
Mileage	960	Miles	\$0.56 ✓	\$537.60 ✓
Field Equipment				
Meter - Cole Parmer	16	Day	\$30.00	\$480.00
Turbidity meter	16	Day	\$25.00	\$400.00
Digital camera	16	Day	\$10.00	\$160.00
Nitrile gloves	266	Each	\$0.20	\$53.20
Disposable Bailer	16	Each	\$10.00	\$160.00
Laboratory Subconsultant (8 quarterly events plus 8 more events if additional sampling is needed)	16	Event	\$551.50	\$8,824.00
Task 1.1 Total				\$41,678.08 ✓
Task 1.2: SWPPP Updating (Level One Corrective Action BMPs, Permit Revisions, and Figure Updates)				
Position Classification	Quantity	Unit	Unit Rate (a)	Requested Budget
Labor: Principal	6	Hours	\$237.81 ✓	\$1,426.86 ✓
Labor: Senior Project	25	Hours	\$139.34 ✓	\$3,483.50 ✓
Labor: CAD Technician	8	Hours	\$104.76 ✓	\$838.08 ✓
Labor: Project Coordinator	4	Hours	\$113.62 ✓	\$454.48 ✓
Labor: Support Staff	4	Hours	\$86.57 ✓	\$346.28 ✓
Photocopies	300	Sheets	\$0.12	\$36.00
Postage	7	Packet	\$2.08	\$13.52
Task 1.2 Total				\$6,598.72 ✓
Task 1.3: Annual Report Preparation (2021 and 2022)				
Position Classification	Quantity	Unit	Unit Rate (a)	Requested Budget
Labor: Principal	2	Hours	\$237.81 ✓	\$475.62 ✓
Labor: Senior Project	8	Hours	\$139.34 ✓	\$1,114.72 ✓
Labor: Project Coordinator	4	Hours	\$113.62 ✓	\$454.48 ✓
Task 1.3 Total				\$2,044.82 ✓
Task 1.4: Annual Stormwater Training				
Position Classification	Quantity	Unit	Unit Rate (a)	Requested Budget
Labor: Principal	2	Hours	\$237.81 ✓	\$475.62 ✓
Labor: Senior Project	12	Hours	\$139.34 ✓	\$1,672.08 ✓
Labor: CAD Technician	2	Hours	\$104.76 ✓	\$209.52 ✓
Labor: Project Coordinator	4	Hours	\$113.62 ✓	\$454.48 ✓
Mileage	60	Miles	\$0.56 ✓	\$33.60 ✓
Task 1.4 Total				\$2,845.30 ✓
Task 1.5: Municipal Permit Support				
Position Classification	Quantity	Unit	Unit Rate (a)	Requested Budget
Labor: Principal	10	Hours	\$237.81 ✓	\$2,378.10 ✓
Labor: Senior Associate	6	Hours	\$203.16 ✓	\$1,218.96 ✓
Labor: Senior Project	8	Hours	\$139.34 ✓	\$1,114.72 ✓
Labor: CAD Technician	12	Hours	\$104.76 ✓	\$1,257.12 ✓
Labor: Project Coordinator	4	Hours	\$113.62 ✓	\$454.48 ✓
Labor: Support Staff	2	Hours	\$86.57 ✓	\$173.14 ✓
Mileage	85	Miles	\$0.56 ✓	\$47.60
Task 1.5 Total				\$6,644.12 ✓
Task 1.6: Meetings and Project Management				
Position Classification	Quantity	Unit	Unit Rate (a)	Requested Budget
Labor: Principal	4	Hours	\$237.81 ✓	\$951.24 ✓
Labor: Senior Project	12	Hours	\$139.34 ✓	\$1,672.08 ✓
Labor: Project	18	Hours	\$127.47 ✓	\$2,294.46 ✓
Labor: Project Coordinator	8	Hours	\$113.62 ✓	\$908.96 ✓
Labor: Support Staff	2	Hours	\$86.57 ✓	\$173.14 ✓
Mileage	85	Miles	\$0.56 ✓	\$47.60
Task 1.6 Total				\$6,047.48 ✓
Task 1.7: Additional Compliance Assistance as Requested				
Position Classification	Quantity	Unit	Unit Rate (a)	Requested Budget
Labor: Principal	8	Hours	\$237.81 ✓	\$1,902.48 ✓
Labor: Senior Associate	4	Hours	\$203.16 ✓	\$812.64 ✓
Labor: Senior Project	24	Hours	\$139.34 ✓	\$3,344.16 ✓
Labor: Project	8	Hours	\$127.47 ✓	\$1,019.76 ✓
Labor: CAD Technician	4	Hours	\$104.76 ✓	\$419.04 ✓
Labor: Project Coordinator	4	Hours	\$113.62 ✓	\$454.48 ✓
Labor: Support Staff	2	Hours	\$86.57 ✓	\$173.14 ✓
Labor: Technician	8	Hours	\$69.84 ✓	\$558.72 ✓
Mileage	85	Miles	\$0.56 ✓	\$47.60
Task 1.7 Total				\$8,732.02 ✓
Subtotal Task 1				\$74,590.54 ✓

Table 1
Consultant Fee Determination
2022-2023 Stormwater Compliance Services and 2022-2023 Salmon-Safe Compliance Services
Paine Field/Snohomish County Airport – Everett, Washington

Task 2. Salmon-Safe Compliance Services**Task 2.1: Stormwater Loading Analysis Assistance as Requested**

Position Classification	Quantity	Unit	Unit Rate (a)	Requested Budget
Labor: Principal	2	Hours	\$237.81 ✓	\$475.62 ✓
Labor: Senior Associate	4	Hours	\$203.16 ✓	\$812.64 ✓
Labor: Senior Project	12	Hours	\$139.34 ✓	\$1,672.08 ✓
Labor: Senior Staff	12	Hours	\$111.65 ✓	\$1,339.80 ✓
Labor: Project Coordinator	6	Hours	\$113.62 ✓	\$681.72 ✓
Task 2.1 Total				\$4,981.86 ✓

Task 2.2: Water Conservation Plan

Position Classification	Quantity	Unit	Unit Rate (a)	Requested Budget
Labor: Principal	1	Hours	\$237.81 ✓	\$237.81 ✓
Labor: Senior Associate	4	Hours	\$203.16 ✓	\$812.64 ✓
Labor: Senior Project	4	Hours	\$139.34 ✓	\$557.36 ✓
Labor: Project	10	Hours	\$127.47 ✓	\$1,274.70 ✓
Labor: CAD Technician	8	Hours	\$104.76 ✓	\$838.08 ✓
Labor: Project Coordinator	4	Hours	\$113.62 ✓	\$454.48 ✓
Task 2.2 Total				\$4,175.07 ✓

Task 2.3: Soil Testing

Position Classification	Quantity	Unit	Unit Rate (a)	Requested Budget
Labor: Principal	1	Hours	\$237.81 ✓	\$237.81 ✓
Labor: Senior Associate	2	Hours	\$203.16 ✓	\$406.32 ✓
Labor: Senior Project	1	Hours	\$139.34 ✓	\$139.34 ✓
Labor: Project	55	Hours	\$127.47 ✓	\$7,010.85 ✓
Labor: Project Coordinator	5	Hours	\$113.62 ✓	\$568.10 ✓
Labor: Technician	45	Hours	\$69.84 ✓	\$3,142.80 ✓
Mileage	80	Miles	\$0.56	\$44.80
Laboratory Subconsultant	2	Event	\$540.00	\$1,080.00
Task 2.3 Total				\$12,630.02 ✓

Task 2.4: Secondary Containment Recommendations

Position Classification	Quantity	Unit	Unit Rate (a)	Requested Budget
Labor: Principal	2	Hours	\$237.81 ✓	\$475.62 ✓
Labor: Senior Associate	1	Hours	\$203.16 ✓	\$203.16 ✓
Labor: Senior Project	2	Hours	\$139.34 ✓	\$278.68 ✓
Labor: Senior Staff	8	Hours	\$111.65 ✓	\$893.20 ✓
Labor: Project Coordinator	1	Hours	\$113.62 ✓	\$113.62 ✓
Task 2.4 Total				\$1,964.28 ✓

Subtotal Task 2 **\$23,751.23**

TOTAL ALL TASKS **\$98,341.77** ✓



(a) Labor rates are based on maximum hourly rates contained in Exhibit D of Agreement No. OCC19/1-7.8(AP), amended by Supplement No.3 dated 3/2/21 with an updated Exhibit D. Non-labor rates are based on rates contained in Landau Associates standard 2019 approved equipment rate schedule. Mileage rate based on current IRS rate and subject to change as new rates are published by the IRS. Laboratory subconsultant costs were obtained from ALS Laboratories of Everett, WA and include two analyses of zinc and copper per sampling event and 0% markup.