



DEPARTMENT OF
ECOLOGY
State of Washington

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JUL 09 2018

Washington State Department of Ecology
Toxics Cleanup Program

IAA No. C1800181

INTERAGENCY AGREEMENT (IAA)

BETWEEN

THE STATE OF WASHINGTON, DEPARTMENT OF ECOLOGY

AND

EASTSIDE FIRE AND RESCUE

THIS INTERAGENCY AGREEMENT ("Agreement" or "IAA") is made and entered into by and between the state of Washington, Department of Ecology, hereinafter referred to as "ECOLOGY," and the Eastside Fire and Rescue" (a joint operation of King County Fire Protection District No. 10, King County Fire Protection District No. 38, the City of Issaquah, the City of North Bend, and the City of Sammamish) hereinafter referred to as "EFR" pursuant to the authority granted by Chapter 39.34 RCW.

THE PURPOSE OF THIS AGREEMENT is to conduct a review of existing information and provide for additional investigative work regarding the source(s), nature and extent of per- and polyfluoroalkyl substances (PFAS) in shallow soil and groundwater in the lower Issaquah valley.

WHEREAS, ECOLOGY has legal authority under RCW 70.105D and WAC 173-340 to identify, investigate, and cleanup facilities where a hazardous substance has come to be located, and to work with entities to expeditiously and effectively address the release of a hazardous substance. And whereas the EFR has legal authority under RCW 52.26.808 pursuant to Chapter 39.34 RCW that allows each entity to conduct the actions detailed in this Agreement. Each party is authorized to undertake the actions in this agreement.

THEREFORE, IT IS MUTUALLY AGREED THAT:

1) SCOPE OF WORK

EFR shall furnish the necessary personnel, equipment, material and/or service(s) and otherwise do all things necessary for or incidental to the performance of the work set forth in Appendix A, Statement of Work and Budget, attached hereto and incorporated herein.

2) PERIOD OF PERFORMANCE

The period of performance of this IAA shall commence on the date of Ecology's final signature, and be completed by December 31st, 2018, unless terminated sooner as provided herein. Amendments extending the period of performance, if any, shall be at the sole discretion of ECOLOGY.

3) COMPENSATION

Compensation for the work provided in accordance with this IAA has been established under the terms of RCW 39.34.130 and RCW 39.26.180(3). This is a performance-based agreement, in which payment is based on the successful completion of expected deliverables for each task.

The source of funds for this IAA is the State Toxics Control Account and the Environmental Legacy Stewardship Account.

The parties have determined that the cost of accomplishing the work identified herein will not exceed \$46,795.00, including any indirect charges. Payment for satisfactory performance of the work shall not exceed this amount unless the parties mutually agree via an amendment to a higher amount. Compensation for services shall be based on the terms and tasks set forth in Appendix A, Statement of Work and Budget. ECOLOGY will not make payment until it has reviewed and accepted the completed work.

4) BILLING AND PAYMENT PROCEDURE

Payment requests accompanied by written progress reports shall be submitted on state form, Invoice Voucher A19-1A. Invoices shall describe and document to ECOLOGY's satisfaction a description of the work performed, the progress of the work, and related costs. Each invoice voucher shall reference the Agreement (IAA) number and clearly identify those items that relate to performance under this Agreement. Payment will be made within thirty (30) days of submission of a properly completed invoice (form A19-1A) with supportive documentation. All expenses invoiced shall be supported with copies of invoices paid.

Send invoices to:

| |
|------------------------------------------------------------------------------------------------------------------|
| State of Washington Department of Ecology Attn: Angela Harkins P.O. Box 47600 Olympia, WA 98504-7600 |
|------------------------------------------------------------------------------------------------------------------|

Payment requests may be submitted on a monthly basis. Upon expiration of this Agreement, any claim for payment not already made shall be submitted to ECOLOGY within 30 days after the expiration date or the end of the fiscal year, whichever is earlier.

Payment will be issued through Washington State's Department of Enterprise Services Statewide Payee Desk. To receive payment you must be registered as a state-wide vendor. To register submit a state-wide vendor registration form and an IRS W-9 form at website, <http://www.des.wa.gov/services/ContractingPurchasing/Business/VendorPay/Pages/default.aspx>. If you have questions about the vendor registration process you can contact DES at the Payee Help Desk at (360) 407-8180 or email payeehelpdesk@watech.wa.gov.

5) ALTERATIONS AND AMENDMENTS

This Agreement may be amended by mutual agreement of the parties. Such amendments shall not be binding unless they are in writing and signed by personnel authorized to bind each of the parties.

6) ASSIGNMENT

The work to be provided under this Agreement, and any claim arising thereunder, is not assignable or delegable by either party in whole or in part, without the express prior written consent of the other party, which consent shall not be unreasonably withheld.

7) ASSURANCES

Parties to this Agreement agree that all activity pursuant to this agreement will be in accordance with all the applicable current federal, state, and local laws, rules, and regulations.

8) CONFORMANCE

If any provision of this Agreement violates any statute or rule of law of the state of Washington, it is considered modified to conform to that statute or rule of law.

9) DISPUTES

Parties to this Agreement shall employ every effort to resolve a dispute themselves without resorting to litigation. In the event that a dispute arises under this Agreement that cannot be resolved among the parties, it shall be determined by a Dispute Board in the following manner. Each party to this Agreement shall appoint one member to the Dispute Board. The members so appointed shall jointly appoint an additional member to the Dispute Board. The Dispute Board shall review the facts, agreement terms, and applicable statutes and rules, and then make a determination of the dispute. The determination of the Dispute Board shall be final and binding on the parties hereto, unless restricted by law. The cost of resolution will be borne by each party paying its own cost. The parties may mutually agree to a different dispute resolution process.

10) FUNDING AVAILABILITY

ECOLOGY's ability to make payments is contingent on availability of funding. In the event funding from state, federal, or other sources is withdrawn, reduced, or limited in any way after the effective date and prior to completion or expiration date of this Agreement, ECOLOGY, at its sole discretion, may elect to terminate the Agreement, in whole or part, for convenience or to renegotiate the Agreement subject to new funding limitations and conditions. ECOLOGY may also elect to suspend performance of the Agreement until ECOLOGY determines the funding insufficiency is resolved. ECOLOGY may exercise any of these options with no notification restrictions, although ECOLOGY will make a reasonable attempt to provide notice.

In the event of termination or suspension, ECOLOGY will reimburse eligible costs incurred by the CONTRACTOR through the effective date of termination or suspension. Reimbursed costs must be agreed to by ECOLOGY and the CONTRACTOR. In no event shall ECOLOGY's reimbursement exceed ECOLOGY's total responsibility under the agreement and any amendments.

11) GOVERNING LAW AND VENUE

This Agreement is entered into pursuant to and under the authority granted by the laws of the state of Washington and any applicable federal laws. The provisions of this Agreement shall be construed to conform to those laws. This Agreement shall be construed and interpreted in accordance with the laws of the state of Washington, and the venue of any action brought hereunder shall be in the Superior Court for Thurston County.

12) INDEPENDENT CAPACITY

The employees or agents of each party who are engaged in the performance of this Agreement shall continue to be employees or agents of that party and shall not be considered for any purpose to be employees or agents of the other party.

13) ORDER OF PRECEDENCE

In the event of an inconsistency in the terms of this Agreement, or between its terms and any applicable statute or rule, the inconsistency shall be resolved by giving precedence in the following order:

- a. Applicable federal and state of Washington statutes, regulations, and rules.
- b. Mutually agreed upon written amendments to this Agreement.
- c. This Agreement, number C1800181.
- d. Appendix A, Statement of Work and Budget.
- e. Appendix B, Special Terms and Conditions.
- f. Any other provisions or term of this Agreement, including materials incorporated by reference or otherwise incorporated.

14) RECORDS MAINTENANCE

The parties to this Agreement shall each maintain books, records, documents and other evidence that sufficiently and properly reflect all direct and indirect costs expended by either party in the performance of the service(s) described herein. These records shall be subject to inspection, review or audit by personnel of both parties, other personnel duly authorized by either party, the Office of the State Auditor, and federal officials so authorized by law. All books, records, documents, and other material relevant to this Agreement will be retained for six years after expiration of this Agreement and the Office of the State Auditor, federal auditors, and any persons duly authorized by the parties shall have full access and the right to examine any of these materials during this period.

Records and other documents, in any medium, furnished by one party to this Agreement to the other party, will remain the property of the furnishing party, unless otherwise agreed. The receiving party will not disclose or make available this material to any third parties without first giving notice to the furnishing party and giving it a reasonable opportunity to respond. Each party will utilize reasonable security procedures and protections to assure that records and documents provided by the other party are not erroneously disclosed to third parties subject to state public disclosure laws.

15) RESPONSIBILITIES OF THE PARTIES

Each party of this Agreement hereby assumes responsibility for claims and/or damages to persons and/or property resulting from any act or omissions on the part of itself, its employees, its officers, and its agents. Neither party will be considered the agent of the other party to this Agreement.

16) RIGHTS IN DATA

Unless otherwise provided, data which originates from this Agreement shall be "work made for hire" as defined by the United States Copyright Act, Title 17 U.S.C. section 101 and shall be owned by state of Washington, ECOLOGY. Data shall include, but not be limited to, non-privileged reports, documents, pamphlets, advertisements, books magazines, surveys, studies, computer programs, films, tapes, and/or sound reproductions. Ownership includes the right to copyright, patent, register, and the ability to transfer these rights.

17) SEVERABILITY

If any provision of this Agreement or any provision of any document incorporated by reference shall be held invalid, such invalidity shall not affect the other provisions of this Agreement which can be given effect without the invalid provision, if such remainder conforms to the requirements of applicable law and the fundamental purpose of this Agreement, and to this end the provisions of this Agreement are declared to be severable.

18) SUBCONTRACTORS

EFR agrees to take complete responsibility for all actions of any Subcontractor used under this Agreement for the performance. When federal funding is involved there will be additional subcontractor requirements and reporting.

Prior to performance, all subcontractor who will be performing services under this Agreement must be identified, including their name, the nature of services to be performed, address, telephone, WA State Department of Revenue Registration Tax number (UBI), federal tax identification number (TIN), and anticipated dollar value of each subcontract. Provide such information to ECOLOGY's Agreement manager.

19) TERMINATION FOR CAUSE

If for any cause, either party does not fulfill in a timely and proper manner its obligations under this Agreement, or if either party violates any of these terms and conditions, the aggrieved party will give the other party written notice of such failure or violation. The responsible party will be given the opportunity to correct the violation or failure within fifteen (15) business days. If failure or violation is not corrected, this Agreement may be terminated immediately by written notice of the aggrieved party to the other.

20) TERMINATION FOR CONVENIENCE

Either party may terminate this Agreement without cause upon thirty (30) calendar day prior written notification to the other party. If this Agreement is so terminated, the parties shall be liable only for performance rendered or costs incurred in accordance with the terms of this Agreement prior to the effective date of termination.

21) WAIVER

A failure by either party to exercise its rights under this Agreement shall not preclude that party from subsequent exercise of such rights and shall not constitute a waiver of any other rights under this Agreement unless stated to be such in a written amendment to this Agreement signed by an authorized representative of the parties.

22) AGREEMENT MANAGEMENT

The representative for each of the parties shall be responsible for and shall be the contact person for all communications, notifications, and billings questions regarding the performance of this Agreement. The parties agree that if there is a change in representatives that they will promptly notify the other party in writing of such change, such changes do not need an amendment.

| The ECOLOGY Representative is: | The EFR Representative is: |
|--------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Name: Tamara Cardona Address: PO Box 47600 Olympia, WA 98504-7600 Phone: 425.649.7058 Email: TACA461@ecy.wa.gov Fax: 425.649.7098 | Name: Jeff Clark Address: 175 Newport Way NW Issaquah, WA 98027 Phone: 425.313.3201 Email: jclark@esf-r.org Fax: 425.313.3254 |

23) ALL WRITINGS CONTAINED HEREIN

This Agreement contains all the terms and conditions agreed upon by the parties. No other understandings, oral or otherwise, regarding the subject matter of this Agreement shall be deemed to exist or to bind any of the parties hereto.

State of Washington, Department of Ecology

IAA No. C1800181

Eastside Fire and Rescue

The signatories to this Agreement represent that they have the authority to bind their respective organizations to this Agreement.

IN WITNESS WHEREOF, the parties below, having read this Agreement in its entirety, including all attachments, do agree in each and every particular as indicated by their below signatures.

**State of Washington
Department of Ecology**

Eastside Fire and Rescue

(a joint operation of King County Fire Protection District No. 10, King County Fire Protection District No. 38, the City of Issaquah, the City of North Bend, and the City of Sammamish)

By: Rebecca Lawson 7/10/18
Signature Date

By: Jeff Clark 7-3-18
Signature Date

JEFF CLARK

Rebecca Lawson

Print Name:

FIRE CHIEF

Acting Toxics Cleanup Program Manager

Title:

Approved as to form only:
Office of Attorney General

APPENDIX A STATEMENT OF WORK AND BUDGET

Background

Recent sampling in the Lower Issaquah Valley has identified per- and polyfluoroalkyl substances (PFAS) in groundwater impacting the Issaquah drinking water wells. The suspected primary mechanism for release of PFAS to the subsurface is the historical use of aqueous film forming foams (AFFF) during firefighting training exercises.

Areas suspected to have been used for training exercises include:

- 175 Newport Way Northwest (Eastside Fire and Rescue Headquarters Facility);
- Lower Issaquah Valley Elementary West Playfield;
- Lower Issaquah Valley Elementary East Ballfields (Dodd Fields Park);
- North of 190 East Sunset Way (Memorial Field); and
- West of 135 East Sunset Way on the former rail grade (Rainier Trail Area).

Eastside Fire and Rescue (EFR), with the assistance of the City of Issaquah and ECOLOGY will hire an environmental consultant to perform additional characterization work to further evaluate the extent of PFAS in the Lower Issaquah Valley.

Intention of Agreement

It is ECOLOGY'S intention, by funding the Project Management and Coordination task (task 1), to manage all of the characterization work (tasks 1-10) as outlined in this agreement irrespective of whether ECOLOGY is reimbursing for the implementation of the task or not. ECOLOGY will receive regular updates from EFR on progress of all currently funded tasks being conducted in this agreement.

It is ECOLOGY'S expectation that the project management (task 1) will continue until all of the tasks outlined herein have been completed, even though only tasks 1-4 below are currently being managed and funded by ECOLOGY.

The tasks of the proposed characterization work to be performed per this agreement include:

Tasks CURRENTLY FUNDED by ECOLOGY through this agreement:

- Project Management and Coordination (**Task 1**)
- Preparation of PFAS Characterization Work Plan (**Task 2**)
- Shallow subsurface Soil PFAS Sampling at the following locations (**Task 3**):
 - Lower Issaquah Valley Elementary West Playfield
 - Lower Issaquah Valley Elementary East Ballfields (Dodd Fields Park)
- Groundwater monitoring from existing groundwater monitoring points at the following locations (**Task 4**):
 - Lower Issaquah Valley Elementary East Ballfields (Dodd Fields Park)
 - Rainier Trail Area

Tasks NOT CURRENTLY FUNDED by ECOLOGY through this agreement and planned to be conducted in the future as information and discoveries are made:

- Shallow subsurface Soil PFAS Sampling at the following locations (Task 5):
 - Rainier Trail
 - Memorial Field
 - 175 Newport Way
- Reconnaissance Groundwater Sampling (Task 6)
- Monitoring Well Installation (Task 7)
- Area-Wide Groundwater Monitoring Event (Task 8)
- PFAS Characterization Summary Report (Task 9)
- Investigation-derived Waste Management (Task 10)

Current Agreement Tasks:

Task 1: Project Management and Coordination

EFR will complete the following project management elements:

- Project strategy development;
- Work element scoping to assess the presence of and characterize PFAS in the Lower Issaquah Valley;
- Budgeting;
- Allocation of personnel resources;
- Subcontracting;
- Contract management; and
- Other administrative duties.

Coordination with EFR, City of Issaquah and ECOLOGY will include:

Lead coordination and progress meetings with EFR, City of Issaquah and ECOLOGY to review and discuss the following:

- The proposed Statement of Work and Budget;
- The draft PFAS Characterization Work Plan;
- The results of the characterization field program; and
- The draft PFAS Characterization Summary Report.

Task 1 Deliverable: Written, monthly progress reports summarizing work performed by task accompanying each invoice submitted to ECOLOGY.

Task 2: Preparation of PFAS Characterization Work Plan

Task 2 will involve preparation of the PFAS Characterization Work Plan by EFR. The work plan will include the following elements:

- Background and project understanding;
- Characterization work elements and rationale;
- Characterization field activities to be performed at each area of interest;
- Standard operating procedures for sample collection, field documentation, and other work elements; and
- A Quality Assurance and Quality Control Plan (see Appendix B).

A draft of the PFAS Characterization Work Plan will be provided to EFR, City of Issaquah and ECOLOGY for review and comment. Based on feedback from EFR, City of Issaquah and ECOLOGY, the PFAS Characterization Work Plan will be revised and issued as a final document and possibly to a repository for public review.

The PFAS Characterization Work Plan will include additional tasks to be performed at a later date not currently covered under this Interagency Agreement (IAA).

Task 2 Deliverables:

- 1) Draft PFAS characterization work plan for review by EFR, City of Issaquah and ECOLOGY. Due to ECOLOGY by Summer 2018 and
- 2) Final work plan that incorporates comments from EFR, City of Issaquah and ECOLOGY. Due to ECOLOGY by Summer 2018.

Task 3: Lower Issaquah Valley Elementary and East Ballfields (Dodd Fields Park) Shallow Soil PFAS Characterization

EFR will conduct multi incremental sampling of one shallow soil interval from 0-6 inches below ground surface at two (2) decision units within the school grounds and two (2) within the ball fields.

Task 3 includes the labor and other direct costs to perform shallow multi-incremental soil sampling at four decision units located at the Lower Issaquah Valley Elementary School and East Ballfields (Dodd Fields Park). Work elements covered under this task include:

- Multi-incremental sampling of one depth interval from 0 to 6 inches below ground surface at four (4) decision units (assume approximately 15 minutes per sample);
- Laboratory compositing and subsampling of each multi-incremental sample;
- Analysis of each sample for PFAS by EPA Method 537 Modified; and
- Compiling analytical results and drafting a short summary technical memorandum including summary figures and tables.

Task 3 Deliverable: Written, technical memorandum with compilation of analytical results including summary figures and tables due to ECOLOGY by Summer 2018.

Task 4: Groundwater Monitoring: Lower Issaquah Valley Elementary East Ballfields (Dodd Fields Park) and Rainier Trail Area Wells

This task will be completed by EFR and includes the collection of groundwater samples at select groundwater monitoring points located at the Lower Issaquah Valley Elementary East Ballfields (Dodd Fields Park), contingent on access and confirming that well construction details meet the standards for resource protection wells. Groundwater samples also will be collected from monitoring wells located in the Rainier Trail area. The groundwater samples will be analyzed for PFAS by EPA Method 537 Modified.

Task 4 Deliverables (due to ECOLOGY by August 31, 2018):

- 1) Data table in the form of a written, technical memorandum including summary figures;
- 2) Field notes and
- 3) Laboratory results.

Future Projected Tasks - PFAS Project

Detailed descriptions of tasks 5-10 have been prepared and described below in this current agreement to clearly communicate the projected future expectations of the work tasks and associated deliverables to be completed to all involved Parties, including EFR, City of Issaquah and ECOLOGY in regards to the entire PFAS project.

Projected Task 5: Shallow Soil PFAS Characterization: Rainier Trail, Memorial Field, and 175 Newport Way

Task 5 includes shallow multi-incremental soil sampling at four decision units located at the Rainier Trail Area, Memorial Field, and 175 Newport Way Northwest areas of interest. Work elements covered under this task include:

- Multi-incremental sampling of one depth interval from 0 to 6 inches below ground surface (bgs) at six (6) decision units (assume approximately 15 minutes per sample);
- Laboratory compositing and subsampling of each multi-incremental sample;
- Analysis of each sample for PFAS by EPA Method 537 Modified; and
- Compiling analytical results and drafting a short summary technical memorandum including summary figures and tables.

Projected Task 5 Deliverable:

Summary figures and tables from shallow multi-incremental soil sampling and analytical laboratory reports.

Projected Task 6: Reconnaissance Groundwater Sampling

Vadose zone soil and reconnaissance groundwater samples will be collected by an environmental consultant hired by EFR. Samples will be sent for laboratory analysis to assess the soil leaching pathway for PFAS at each area of interest, and to characterize groundwater impacts at the 175 Newport Way Northwest Property.

This task will include for following work elements:

- Coordinate drilling investigation work, utility location, and traffic control, and procure permits for work in rights-of-way with assistance from the City of Issaquah.
- Advance one hand-auger boring to a depth of three (3) to four (4) feet below ground surface (bgs) adjacent to the groundwater monitoring point at the north end of the Lower Issaquah Elementary East Ballfields (Dodd Fields Park) decision unit.
- Advance up to thirteen (13) borings at the approximate locations identified in Figure 1 to a maximum depth of approximately thirty-five (35) feet below ground surface using a track-mounted sonic drill rig.
- Collect reconnaissance groundwater samples from each deep boring. It is assumed that two (2) water-bearing units per boring will be sampled.
- Collect soil samples at two depth intervals at those borings located where AFFF was reported to have been released to the ground surface (i.e., three (3) locations at 175 Newport Way, two (2) locations at Lower Issaquah Valley Elementary, and one (1) location at the Rainier Trail Area).
- Analyze soil and reconnaissance groundwater samples for PFAS by EPA Method 537 Modified.

Projected Task 6 Deliverable:

Summary figures and tables for soil and reconnaissance groundwater sampling, attached analytical laboratory reports, and boring logs.

Projected Task 7: Monitoring Well Installation

An environmental consultant hired by EFR will conduct and/or oversee installation of monitoring wells to provide long-term groundwater monitoring and to estimate the local groundwater flow direction and gradient at select areas of interest.

Four (4) new wells will be installed at the 175 Newport Way Northwest Property. The cost estimate assumed monitoring wells are advanced to a depth of thirty-five (35) feet below ground surface (bgs). The final depth will be determined based on hydrogeologic conditions encountered at the 175 Newport Way Northwest Property and analytical results from the reconnaissance groundwater sampling performed under Task 6.

Additional monitoring wells may be installed at other areas of interest to provide long-term groundwater monitoring appropriate locations based on reconnaissance groundwater sampling results. A conservative cost estimate for the additional wells has been prepared for installation of an additional three (3) monitoring wells at each area of interest including Lower Issaquah Valley Elementary West Playfield, Memorial Field, and Rainier Trail Area. Existing wells meeting the construction standards identified under Task 6 may eliminate the need to install one or more monitoring wells at Lower Issaquah Valley Elementary East Ballfields (Dodd Fields Park) and Rainier Trail areas of interest.

The scope includes:

- Coordinate drilling work and utility locations;
- Advance new monitoring wells in the shallow water-bearing zone to a maximum depth of approximately thirty-five (35) feet below ground surface (bgs);
- Analyze two (2) near-surface soil samples per monitoring well for PFAS by EPA Method 537 Modified;
- Survey final top-of-casing elevations of the existing and new monitoring wells; and
- Perform a groundwater monitoring event to measure depths to groundwater and sample the new monitoring wells.

Projected Task 7 Deliverable:

Summary figures and tables for the monitoring well installations, attached analytical laboratory reports, boring logs, and well construction details.

Projected Task 8: Area-Wide Groundwater Monitoring Event

EFR will conduct a groundwater monitoring event that includes sampling of the new groundwater monitoring wells (if installed at areas of interest other than 175 Newport Way Northwest under Task 7), and existing monitoring wells COI-MW02 through COI-MW07.

This event will also include the sampling of select groundwater monitoring points at the Lower Issaquah Valley Elementary East Ballfields (Dodd Fields Park), and monitoring wells proximate to the Memorial Field (contingent on access and confirming that well construction details meet the standards for resource protection wells). It is assumed the area-wide groundwater monitoring event will occur shortly after monitoring well installation and sampling completed under Task 7.

It is assumed that both City of Issaquah and Sammamish Plateau Water and Sewer District will sample their respective production wells coincident with the groundwater monitoring event.

Projected Task 8 Deliverable:

Summary figures and tables for the sampling event and attached analytical laboratory reports.

Projected Task 9: PFAS Characterization Summary Report

An environmental consultant for EFR will compile all analytical results generated under Tasks 3 through 8, as well as historical data generated by Geosyntec Consultants, Inc. and Corona Environmental Consulting at the request of the City of Issaquah and the Sammamish Plateau Water and Sewer District. Consultant will draft a summary report to be provided to EFR, City of Issaquah and ECOLOGY. Specific work elements to be conducted under this task include:

- Review analytical data in accordance with requirements identified in the PFAS Characterization Work Plan;
- Enter analytical results into an environmental data management database;
- Prepare analytical data for upload to the Ecology Environmental Information Management System (EIM) and upload the data to the Ecology server;
- Generate final summary tables for characterization work to be provided to EFR, City of Issaquah and ECOLOGY;
- Review and evaluate groundwater elevation data collected during drilling and the groundwater monitoring event;
- Generate summary figures of analytical results and groundwater flow direction to be provided to the Parties; and
- Draft the PFAS Characterization Summary Report.

Projected Task 9 Deliverable:

PFAS Characterization Summary Report, compiled electronic analytical results.

Projected Task 10: Investigation-Derived Waste Management

An environmental consultant hired by EFR will coordinate and oversee the disposal of investigation derived waste (IDW) generated as part of the PFAS characterization work. IDW generated will include drums of soil cuttings, decontamination water, and purge water from monitoring wells.

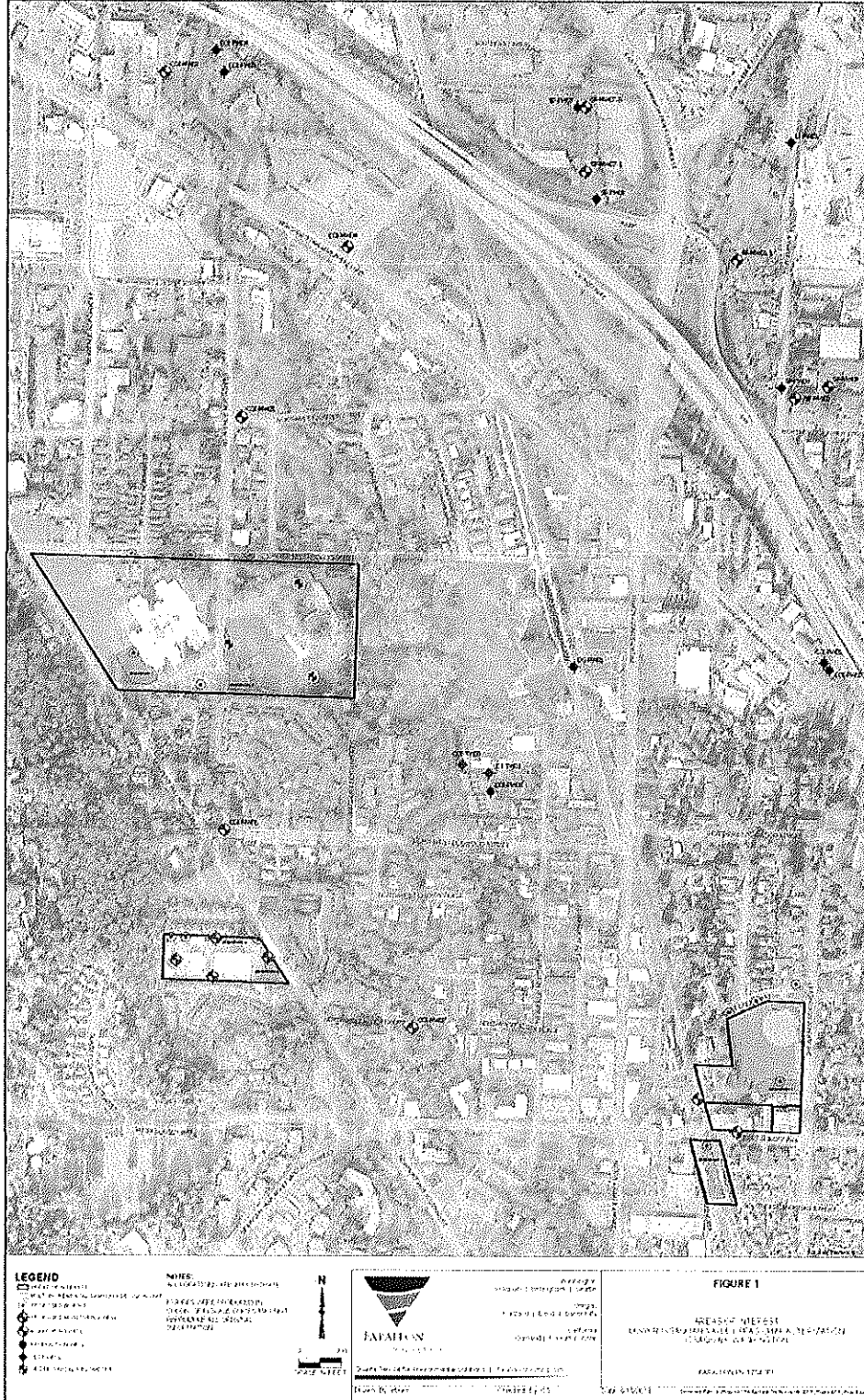
Field personnel hired by EFR will observe and document the IDW removal conducted by the selected waste disposal contractor. The cost estimate assumes a transport and disposal cost for soil cuttings of \$118.00 per drum and for decontamination and purge water of \$143.00 per drum including pass-through rates.

Total Project (all tasks) Cost Summary**Budget**

| Task | Description | Task Cost | Ecology funding through IAA |
|-------------|----------------------------------------------------------------------------------------|---------------------|------------------------------------|
| 1 | Project Management and Coordination | \$19,220.00 | \$19,220.00 |
| 2 | Preparation of PFAS Characterization Work Plan | \$9,640.00 | \$9,640.00 |
| 3 | Lower Issaquah Valley Elementary and Dodd Fields Shallow Soil PFAS Characterization | \$12,763.00 | \$12,763.00 |
| 4 | Groundwater Monitoring: Dodd Fields and Rainier Trail Area Wells | \$5,172.00 | \$5,172.00 |
| 5 | Shallow Soil PFAS Characterization: Rainier Trail, Memorial Field, and 175 Newport Way | \$12,378.00 | \$0 |
| 6 | Reconnaissance Groundwater Sampling | \$92,333.00 | \$0 |
| 7 | Monitoring Well Installation | \$36,374.00 | \$0 |
| 8 | Area-Wide Groundwater Monitoring Event | \$5,172.00 | \$0 |
| 9 | PFAS Characterization Summary Report | \$22,210.00 | \$0 |
| 10 | Investigation-derived Waste Management | \$6,540.00 | \$0 |
| | Total Project Cost | \$221,802.00 | |
| | Total Ecology Cost | | \$46,795.00 |

Note – task budgets may be moved between the tasks without necessity for the amendment process.

**ATTACHMENT A
 FIGURE 1**



APPENDIX B SPECIAL TERMS AND CONDITIONS

1) Archaeological And Cultural Resources

EFR shall take reasonable action to avoid, minimize, or mitigate adverse effects to archeological and historic resources. EFR must agree to hold harmless the state of Washington in relation to any claim related to historical or cultural artifacts discovered, disturbed, or damaged due to the EFR's negligence.

EFR shall:

- a) Contact ECOLOGY to discuss any Cultural Resources requirements for the project:
 - For capital construction projects or land acquisitions for capital construction projects, if required, comply with Governor Executive Order 05-05, Archaeology and Cultural Resources.
 - For projects with any federal involvement, if required, comply with the National Historic Preservation Act.
 - Any cultural resources federal or state requirements must be completed prior to the start of any work on the project site.
- b) If required by ECOLOGY, submit an Inadvertent Discovery Plan (IDP) to ECOLOGY prior to implementing any project that involves ground disturbing activities. ECOLOGY will provide the IDP form.

EFR shall:

- Keep the IDP at the project site.
 - Make the IDP readily available to anyone working at the project site.
 - Discuss the IDP with staff and contractors working at the project site.
 - Implement the IDP when cultural resources or human remains are found at the project site.
- c) If any archeological or historical resources are found while conducting work under this Agreement:
 - Immediately stop work and notify ECOLOGY, the Department of Archaeology and Historic Preservation at (360) 586-3064, any affected Tribe, and the local government.
 - d) If any human remains are found while conducting work under this Agreement:
 - Immediately stop work and notify the local law enforcement agency or Medical Examiner/Coroner's Office, and then ECOLOGY.
 - e) Comply with RCW 27.53, RCW 27.44.055, and RCW 68.50.645, and all other applicable local, state, and federal laws protecting cultural resources and human remains.

2) Environmental Data Standards

- a) EFR shall prepare a Quality Assurance Project Plan (QAPP) for a project that collects or uses environmental measurement data. EFR is to contact ECOLOGY if unsure about whether a QAPP is required for their project. If a QAPP is required, the EFR shall:
 - Use ECOLOGY's QAPP Template/Checklist provided by ECOLOGY, unless ECOLOGY Quality Assurance (QA) officer or the Program QA coordinator instructs otherwise.

Eastside Fire and Rescue

- Follow ECOLOGY's *Guidelines for Preparing Quality Assurance Project Plans for Environmental Studies*, July 2004 (Ecology Publication No. 04-03-030).
 - Submit the QAPP to ECOLOGY for review and approval before the start of the work.
- b) EFR shall submit environmental data that was collected on a project to ECOLOGY using the Environmental Information Management system (EIM), unless the ECOLOGY instructs otherwise. EFR must confirm with ECOLOGY that complete and correct data was successfully loaded into EIM, find instructions at: <http://www.ecy.wa.gov/eim>.
- c) EFR shall follow ECOLOGY's data standards when Geographic Information System (GIS) data is collected and processed. *Guidelines for Creating and Accessing GIS Data* are available at: <https://ecology.wa.gov/Research-Data/Data-resources/Geographic-Information-Systems-GIS/Standards>. EFR, when requested by ECOLOGY, shall provide copies to ECOLOGY of all final GIS data layers, imagery, related tables, raw data collection files, map products, and all metadata and project documentation.