



DEPARTMENT OF  
**ECOLOGY**  
State of Washington

**AMENDMENT NO. 2  
TO GRANT AGREEMENT NO. G0800564  
BETWEEN THE  
STATE OF WASHINGTON DEPARTMENT OF ECOLOGY  
AND  
THE CITY OF SEQUIM**

**PURPOSE:** To amend the above-referenced grant agreement between the Department of Ecology [DEPARTMENT] and the City of Sequim [RECIPIENT] for the City of Sequim Water Reclamation Facility and Distribution Expansion Project. This amendment is needed to modify the Scope of Work to remove Task 3G, add tasks for construction of the Rapid Infiltration Basin and Programming and Control work, and to adjust the budget accordingly.

IT IS MUTUALLY AGREED that the grant agreement is amended as follows:

1. The project scope of work (Attachment A to Amendment1) shall be modified as follows:
  - a. The following shall be **deleted** from the Scope of Work:

Task 3C. Design of Reconfigured Flow-through Channel (FTC) Storage and Pump Station Relocation

The RECIPIENT will design for the relocation of pumps from the existing reclaimed water pump station to the outlet of a 500,000 gallon basin at the Water Reclamation Facility. The completed work will provide a Flow-Through Channel/Reclaimed Water Storage, with a roof structure to keep the product clean.

Work elements will include:

- Survey,
- Geotechnical,
- Piping modifications
- Minor structural modifications
- Electrical and SCADA modifications
- Design of a roof covering the FTC storage structure
- Preparation of technical specifications
- Preparation of detailed estimate of probable cost to construct
- Submittal of plans and specifications to the DEPARTMENT and DOH for review and approval.
- Preparation of bid documents

Task 3G. Flow-through Channel (FTC) Reconfiguration.

The RECIPIENT will use a portion of the grant funding to complete construction activities associated with reconfiguration of an existing basin at the Water Reclamation Facility. The RECIPIENT will modify the existing basin to provide 500,000 gallons of storage and relocate pumps from an existing pump station to the basin (“flow-through channel”). The RECIPIENT will construct the design features described in Task 3C above.

b. Task 3E is **modified** to read as follows:

E. Leaky Pipe Pilot Project

The RECIPIENT will ~~construct~~ design a pilot project to evaluate the viability of using “Leaky Pipe” as identified in the Engineering Report. (The Engineering Report identifies Leaky Pipe as an option to consider for future reclaimed water infiltration utilizing the existing right of way.) The RECIPIENT will ~~construct~~ design the pilot project for location at the Reuse Demonstration site where monitoring wells were installed during the initial Engineering Report phase of the project.

Work elements will include:

- Coordinate testing protocols with the DEPARTMENT
- Design pilot project layout
- ~~Obtain and install data loggers, if used~~
- ~~Monitor data collection~~

c. Tasks 3G, 3H, and 3I are revised or added to read as follows:

G. Construction Management of the Rapid Infiltration Basins and Leaky Pipe Pilot Project

1. A detailed construction quality assurance plan will be submitted at least 10 days before the start of construction. This plan must describe the activities which will be undertaken to achieve adequate and competent performance of all construction work. Written approval of this plan must be received from the DEPARTMENT prior to the commencement of construction activities.
2. The RECIPIENT will hold a pre-construction conference attended by representative of the DEPARTMENT.
3. The RECIPIENT will submit a construction schedule to the DEPARTMENT within 30 days of the start of construction. The construction schedule will be revised and/or updated whenever major changes occur. All construction schedule revisions must be approved by the DEPARTMENT to ensure that they fall within contract dates.

4. Upon completion of construction, the RECIPIENT will provide the DEPARTMENT's Project Manager with a set of "as-built" plans (i.e., record construction drawings which reflect changes, modifications, or other significant revisions made to the PROJECT during construction) in reduced (11"x17") paper copy format, in addition to a certification statement signed by a professional engineer, indicating that the PROJECT was completed in accordance with the plans and specifications and major change orders approved by the DEPARTMENT's Project Engineer and shown on the "as-built" plans.

Required Performance:

1. Completion of construction quality assurance plan.
2. Pre-construction conference.
3. Submittal of a construction schedule and a copy of the construction management contract to the DEPARTMENT.
4. Submittal of as-built plans to the DEPARTMENT.

H. Construction of the Rapid Infiltration Basins and Leaky Pipe Pilot Project

1. The RECIPIENT will not proceed with any construction related activity until all necessary plans and specifications, and any addenda, are approved in writing by the DEPARTMENT. In addition, the RECIPIENT will submit to the DEPARTMENT's PROJECT Manager a copy of the executed construction contract within 30 days of execution.
2. Change orders that are a significant deviation from the approved plans/specifications must be submitted for DEPARTMENT review and approval, prior to execution. All other change orders must be approved by the DEPARTMENT for technical merit and should be submitted within 30 days after execution. Change orders are to be signed by the contractor, the engineer (if appropriate), and the RECIPIENT prior to submittal for DEPARTMENT approval.
3. The RECIPIENT will construct the Leaky Pipe Pilot project and the Rapid Infiltration Basins according to the designs approved by the DEPARTMENT under Tasks 3D and 3E.

Required Performance:

1. Submittal of executed construction contract to the DEPARTMENT.
2. Submittal of any change orders to the DEPARTMENT.
3. Construction of Leaky Pipe Pilot project and Rapid Infiltration Basins.

I. Programming and Control Work

1. The RECIPIENT will contract for completion of programming and control work needed to distribute reclaimed water to the Leaky Pipe Pilot project and Rapid Infiltration Basins.

Required Performance

1. Completion of control work consistent with design parameters for Leaky Pipe Pilot project and Rapid Infiltration Basins.
2. The Water Quality Project Outcomes identified in PART II: PROJECT GOALS, OUTCOMES, POST PROJECT ASSESSMENT, MISCELLANEOUS REQUIREMENTS are modified to read as follows:
  1. Complete hydrogeologic studies, including pilot testing for infiltration of reclaimed water.
  2. Develop a *Reclaimed Water Engineering Plan for Aquifer Recharge & Distribution System Expansion*.
  3. Complete design and implementation tasks identified in the city's Phase III Scope of Work:
    - A. Design and construct Rapid Infiltration Basin (RIB)s
    - B. Design, implement, and monitor a Leaky Pipe Pilot Project
    - C. ~~Design and construct relocation of the existing reclaimed water pump station to the end of the "flow through channel at the treatment plant to provide 500,000 gallons of storage.~~

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3. The budget is modified as follows:

<b>City of Sequim Reclaimed Water Engineering Report and Project Development</b>			
<b>ELEMENTS (Tasks)</b>	<b>TOTAL ELIGIBLE PROJECT COST</b>	<b>CURRENT TOTAL ELIGIBLE COST (TEC)</b>	<b>AMENDED TOTAL ELIGIBLE COST (TEC)</b>
Task 1 – Project Administration/Management	\$3,270	\$3,270	\$3,270
Task 2 – Permitting, Plans and Specifications	\$0	\$0	\$0
Task 3 – Design of Reuse Site Improvements and Distribution System Extension			
Task 3A – Public Involvement	\$13,100	\$13,100	\$11,950
Task 3B – Hydrogeologic Studies, Engineering Report	\$555,200	\$555,200	\$555,200
Task 3C – Flow Through Channel Design	\$51,300	\$51,300	NA
Task 3D – Design of Rapid Infiltration Basin (RIB)	\$89,300	\$89,300	\$112,720
Task 3E – Leaky Pipe Pilot Project Design	\$15,900	\$15,900	\$23,975
Task 3F – Project Administration and Coordination Assistance	\$42,400	\$42,400	\$49,020
Task 3G – Construction Management of Phase 1 Rapid Infiltration Basins and Leaky Pipe Pilot Project			\$45,696
Task 3H – Construction of Phase 1 Rapid Infiltration Basins and Leaky Pipe Pilot Project	\$383,800	\$332,800	\$295,439
Task 3I – Programming and Control Work			\$6,000
<b>Total</b>	<b>\$1,154,270</b>	<b>\$1,103,270</b>	<b>\$1,103,270</b>
<b>The DEPARTMENT's Fiscal Office will track to the Total Eligible Cost.</b>			
<b>MATCHING REQUIREMENTS</b>			
DEPARTMENT Share: 75% of TEC			\$827,453
RECIPIENT Share: 25% of TEC			\$275,817

**City of Sequim**  
**City of Sequim Water Reclamation Facility and Distribution Expansion**  
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FURTHER, this amendment shall be effective upon the effective date of the original agreement, September 8, 2008.

Except as expressly provided by this amendment, all other terms and conditions of the original grant agreement and all amendments thereto remain in full force and effect.

IN WITNESS WHEREOF: the parties have signed this amendment.

STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY

CITY OF SEQUIM

 2/14/13  
KELLY SUSEWIND, P.E., P.G.      DATE  
WATER QUALITY PROGRAM MANAGER

 2-14-13  
PAUL HAINES, P.E.      DATE  
PUBLIC WORKS DIRECTOR

APPROVED AS TO FORM ONLY  
ASSISTANT ATTORNEY GENERAL

Approved as to form by:  
 2/12/2013  
Craig A. Ritchie, City Attorney