

## AMENDMENT

### Professional Services Agreement

**Client:** Kittitas County Public Health Department

**Name of Project:** Upper Kittitas Groundwater Study

#### Description and Purpose of Amendment

This amendment extends the 2008 contract between GSI and Kittitas County by extending the period of performance of hydrogeologist services to be provided to Kittitas County in relationship to the Upper Kittitas Groundwater study. The amendment also amends the scope of services to adjust for the implementation of the Upper Kittitas Groundwater study.

#### Period of Performance

The new period of performance is from the date of execution of this amendment through December 31, 2013.

#### Fiscal Consideration

The maximum consideration of this amendment shall not exceed \$75,000. Prior to incurring any costs over the maximum consideration, GSI will obtain approval from the Board of County Commissioners.

#### Specific Terms and Conditions

The following are the specific amendments that are being made to the contract:

- **Scope of Services:** The new scope of services is provided in Attachment A: Revised Hydrogeologic Consulting Services Scope, Schedule, and Budget for the Upper Kittitas County Groundwater Study
- **Compensation:** A good faith estimate is provided in Attachment A
- **Schedule:** The contract period is extended from the date of execution of this amendment to December 31, 2013.
- **Terms:**
  - All terms of the original contract remain in effect.
  - Addition of the following terms: This Amendment is conditioned upon the execution of an Interagency Agreement with the Department of Ecology for funding.

IN WITNESS WHEREOF, the parties have signed this Agreement.

GROUNDWATER SOLUTIONS, INC.


Kittitas County

Signature: 

Name (printed): Walter Burt

Title: Principal

Date: November 24, 2010

Signature: 

Name (printed): Paul Jewell

Title: Boee Vice Chairman

Date: 11/16/10

## **Attachment A**

### **Revised Hydrogeologic Consulting Services Scope, Schedule, and Budget for the Upper Kittitas County Groundwater Study**

In 2008 and 2009 GSI Water Solutions, Inc. (GSI) provided hydrogeologic consulting services to Kittitas County (the County) to assist the County with planning and overseeing the pending Upper Kittitas County Groundwater Study. This work included support in implementing the terms of the Memorandum of Agreement (MOA) between Kittitas County (County) and the Washington Department of Ecology (Ecology) as it stood at that time. This revised description of scope, schedule, and budget for hydrogeologic consulting services supersedes GSI's previous work scope.

This revised work scope focuses on the following work activities:

- Work with the Committee to develop an updated work scope for the proposed Upper Kittitas County Groundwater Study that Department of Ecology is hiring the U.S. Geologic Survey (USGS) to do.
- As the hydrogeologist representing the County provide: (1) general guidance, pursuant to the Counties needs, to the USGS as it works on the Upper Kittitas County Groundwater Study, (2) track the progress of the USGS on the project, reporting to the County as specific milestones are reached, and (3) provide peer review comments to the USGS on behalf of the County as the USGS produces project results.

The specific scope of services for this project is summarized below. Note, the scope of services described below assumes a project duration of 24 to 28 months. All work will be charged on a labor hours and expense reimbursement basis.

#### **Task 1: Upper County Ground Water Study Advisory Committee**

##### **Task Scope**

GSI will represent the interests of the County as a member of the Upper County Ground Water Study Advisory Committee, during development of the technical scope of the study, and review of progress and results of the study. The specific scope of work for this task will include the following elements:

1. Participate in development or revision of guidelines for Committee.
2. Work with the Committee members to develop objectives and a scope for the Upper County Ground Water study.
3. Review the progress of the study.

The scope and budget for Task 1 are based on the following assumptions:

- Preparation for, and attendance of, two meetings in 2010, and quarterly meetings in 2011 and 2012 as the study progresses. The total number of meetings attended during this period will not exceed 10.
- Labor effort for this task will include 1 GSI senior scientist for all meetings, and this effort includes 10 hours for meeting preparation, attendance, and follow-up.
- Total labor effort for Task 2 is 100 hours over the course of the project.

##### **Task Schedule**

Participation on the Committee will be ongoing during contract period.

## **Task 2: Hydrogeologic Project Oversight and Report Review**

### **Task Scope**

The Department of Ecology currently plans on contracting to the USGS for that agency to conduct the Upper Kittitas County Groundwater Study. Under Task 2 GSI will function as the County's hydrogeologist independent of the Study Advisory Committee. In that capacity, GSI will:

1. Meet with Ecology and USGS staff to discuss study goals and objectives, and review any work plans for the project prepared by those agencies.
2. Become familiar with data sets and assumptions being used in the study as they are provided by the USGS and Ecology, or as GSI can find them based on our own efforts.
3. Hold semi-annual meetings with Ecology and the USGS to review project results, data collection efforts, and interpretations as they are developed up to the time of those meetings. For this effort we assume a total of 5 meetings during the project.
4. Review and prepare written comment on the study final report, engage in comment resolution consultation with Ecology and the USGS, and report GSI's conclusions relative to the report to the County.
5. Report quarterly to the County GSI's assessment of study progress.

The scope and budget for the 5 work elements in Task 2 are based on the following assumptions:

1. For the goals and objectives meetings - 20 hours for 2 senior GSI scientists to prepare for, attend, and report to the County on the outcome of the meeting.
2. To better review and oversee the USGS, GSI will become more familiar with the hydrogeologic setting of the upper County. This will focus on review and assimilation of existing reports, maps, and other materials GSI may gain access to. GSI assumes 120 hours of junior and senior staff time.
3. The semi-annual meetings will involve the efforts of 2 senior GSI scientists in preparation for, attendance, and follow-up with the County. 12 hours for each of 5 meetings, for a total of 60 hours.
4. Report review, comment preparation, and comment resolution will involve the efforts of 2 senior GSI scientists. Total effort will be 40 hours of labor.
5. Quarterly reporting will involve the efforts of 1 GSI senior scientist. Quarterly reporting will include a brief written update and an oral report to the County. Assume 10 quarterly meetings, at 10 hours effort per meeting, for a total of 100 hours.

Total work effort for the 5 elements of Task 2 is 340 hours over the course of the project.

### **Task Schedule**

Review of reports submitted to the County will be on an as needed basis beginning immediately after authorization and will continue through the contract period.

## **Project Schedule and Estimated Budget**

For project planning, and cost estimating purposes, GSI assumes the project will begin in the fall of 2010 and be completed late in 2012 or early in 2013, encompassing approximately 24 to 28 months.

For this project GSI will invoice monthly for services on a labor hours and expense reimbursement basis. Task budgets will not be exceeded without the written authorization of the

County. GSI's proposed budget for this 24 to 28 month project is summarized in the following table.

<b>Estimated Budget</b>			
Task	GSI labor	GSI expenses	subtotals
1	13,500	500	13,500
2	43,000	2,000	45,000
totals	56,500	2,500	58,000

## Attachment B 2010 Rate Schedule



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### 2008 Fee Schedule Water Supply Work

(GSI's Fees will increase annually based on the CPI)

#### ***Labor***

Labor Category	Hourly Rate
<u>Senior</u>	
Walter Burt	\$135
Kevin Lindsey	\$135
Doug McChesney	\$125
Terry Tolan	\$125
John Porcello	\$135
<u>Project Hydrogeologist</u>	\$100
<u>Senior Staff Hydrogeologist</u>	\$85 - \$90
<u>Staff Hydrogeologist</u>	\$75 - \$80
<u>Senior Staff GIS Specialist</u>	\$85
<u>Administrative Assistant</u>	\$70
<u>Document Manager/Editor</u>	\$75

The hourly rate for trial preparation and expert witness testimony is 1.5 times the standard billing rate shown above.

#### ***Expenses***

- Mileage: IRS authorized rate/mile
- Direct Expenses: Cost
- Outside Services: Cost plus 10 percent markup