

**HIGHLINE WATER DISTRICT
King County, Washington**

RESOLUTION 13-1-16A

RESOLUTION AUTHORIZING CONTRACT #13-60-01 WITH RH2 ENGINEERING, INC. FOR PROJECT 13-2 DES MOINES TREATMENT PLANT (DMTP) ON-SITE SODIUM HYPOCHLORITE GENERATION PHASE 2 – PREDESIGN, DESIGN, AND SERVICES DURING BIDDING AND CONSTRUCTION

WHEREAS, by passage of Resolution 12-12-5B, the Board of Commissioners adopted the 2013 Capital Improvement Program which included Project 13-2; and

WHEREAS, by passage of Motion 12-6-6(2), the Board of Commissioners authorized the General Manager to hire RH2 Engineering, Inc. to do a Chlorination Feasibility Study (Phase 1) of the Angle Lake and Des Moines Wells; and

WHEREAS, RH2 Engineering performed an On-Site Sodium Hypochlorite Generation Feasibility Study on the Angle Lake Well and the Des Moines Treatment Plant and recommended that the District replace the gas chlorination system at the DMTP with an on-site sodium hypochlorite generation system large enough to chlorinate both the Angle Lake and Des Moines wells; and

WHEREAS, at the District's request, RH2 Engineering, Inc. submitted a scope of services for Phase 2 which includes the predesign, design, and services during bidding and construction; and

WHEREAS, the District's Engineer and General Manager have reviewed the scope of services submitted by RH2 Engineering, Inc. and recommend approval of this resolution.

NOW, THEREFORE, BE IT RESOLVED:

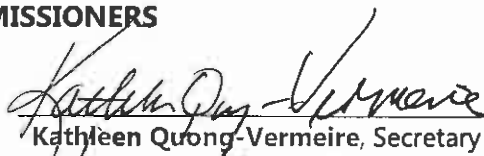
1. The General Manager or designee is authorized to enter into Contract #13-60-01 with RH2 Engineering, Inc. (Attachment 1, incorporated herein by this reference), for a not-to-exceed amount of \$66,987 for Project 13-2 Des Moines Treatment Plant On-Site Sodium Hypochlorite Generation Phase 2 – Pre-design, Design, and Services During Bidding and Construction.

ADOPTED BY THE BOARD OF COMMISSIONERS of Highline Water District, King County, Washington, at an Open Public Meeting held this **16th** day of **January 2013**.

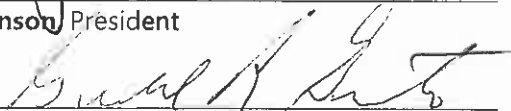
BOARD OF COMMISSIONERS



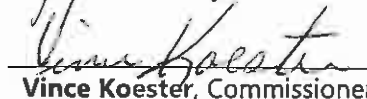
Daniel Johnson, President



Kathleen Quong-Vermeire, Secretary



Gerald R. Guite, Commissioner



Vince Koester, Commissioner



George Landon, Commissioner

AGREEMENT FOR CONSULTING SERVICES

This Agreement ("Agreement") is made and entered into this ____ day of _____, 20__, by and between **Highline Water District**, a Washington municipal corporation ("District") and **RH2 Engineering, Inc.**, (hereinafter referred to as the "Consultant"), (individually a "Party" and collectively the "Parties") for the purposes set forth below.

1. Scope of Consulting Services. Consultant shall provide consulting services to the District under the terms of this Agreement for the following Project:

Des Moines Treatment Plant On-site Sodium Hypochlorite Generation
("Project").

The scope of services is more fully described on **Exhibit A** attached hereto and incorporated herein by this reference.

2. Compensation and Payment. District shall pay Consultant for the time and materials devoted to the Project as consideration for the performance of the services set forth on **Exhibit A**, not to exceed the amount of Fourteen Thousand Three-Hundred Eighteen Dollars (**\$66,987.00**). Such compensation shall be payable in the following manner:
 - a. Consultant shall submit a detailed monthly billing for all services provided describing in reasonable and understandable detail the services rendered (**Exhibit B**), fees charged and expenses incurred by Consultant during the previous month in accordance with a schedule of rates and charges set forth on **Exhibit C**, including fees and expenses for additional services authorized by District as provided herein. District shall pay the invoice within sixty (60) days of receipt, except as to any disputed amounts.
 - b. Upon District's failure to pay within sixty (60) days of receipt the undisputed amount set forth in any monthly billing submitted to District by Consultant, such unpaid balance will bear interest at the rate of 1% per month until the amount of such unpaid balance, plus interest thereon shall be paid in full.

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- c. Consultant shall maintain accounts and records of fees billed and expenses incurred as described in this Section 2 in accordance with generally accepted accounting principles, and agrees to make such accounts, records and supporting documentation available to the District and its authorized representatives for inspection at mutually convenient times, both during the Project work and for three (3) years following the final payment for services rendered or termination of the Consultant's services under this Agreement.
3. Schedule of Work. Consultant shall commence the performance of its services under this Agreement upon receipt of notice to proceed from the District to do so and shall provide the services in accordance with the schedule on **Exhibit A**, subject to delays for causes beyond the reasonable control of Consultant or as otherwise agreed to by District.
4. Subcontractors. Consultant shall not subcontract or assign any portion of the work covered by this Agreement without the prior written approval of the District, such consent to be given in District's sole discretion. Subject to the provisions of the preceding sentence, this Agreement shall be binding upon and inure to the benefit of the respective successors and assigns of the parties hereto.
5. Independent Contractor. Consultant is an independent contractor and not an employee of the District. Consultant shall be responsible in full for payment of its employees, including insurance and deductions, and for payment to any subcontractors. No personnel employed by Consultant shall acquire any rights or status regarding the District. All of the services required hereunder shall be performed by Consultant or under its direction, and all personnel engaged therein shall be fully qualified under applicable state, federal and local laws to undertake the work performed by them.
6. Changes in Scope of Services. The District may require changes or modifications in the scope of services to be performed under this Agreement. Any such changes or modifications shall be in writing and signed by the parties to this Agreement. The compensation for the changes or modifications, whether a decrease or increase, shall be on the same terms and conditions as set forth in Paragraph 2 above or in a manner otherwise mutually agreed to by the parties.

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7. Insurance. Consultant shall maintain throughout the performance of this Agreement the following types and amounts of insurance.
- a. Comprehensive vehicle liability insurance covering personal injury and property damage claims arising from the use of motor vehicles with combined single limits of Two Million Dollars (\$2,000,000).
 - b. Commercial General Liability Insurance written on an occurrence basis with limits no less than Two Million Dollars (\$2,000,000) combined single limit per occurrence and Two Million Dollars (\$2,000,000) aggregate for personal injury, bodily injury and property damage. Coverage shall include, but not be limited to: blanket contractual; products/completed operations; broad form property damage; explosion, collapse and underground (XCU) if applicable; and employer's liability; and
 - c. Professional liability insurance (Errors and Omissions insurance) with limits no less than Two Million Dollars (\$2,000,000).

The insurance policies shall: (1) state that coverage shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability; (2) be primary to any insurance maintained by the District, except as respects losses attributable to the sole negligence of the District; and (3) shall state that the District will be given 45 days prior written notice of any cancellation, suspension, non-renewal or material change in coverage.

The District shall be named as an additional insured on the Commercial General Liability Insurance policy with regard to work and services performed by or on behalf of the Consultant and a copy of the endorsement naming the District as an additional insured shall be attached to the Certificate of Insurance.

Before commencing work and services, Consultant shall provide to the District a Certificate of Insurance and required endorsements evidencing the insurance described above. The District reserves the right to request and receive a certified copy of all required insurance policies.

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The above insurance limits do not constitute a limit on Consultant's liability to the District. Any payment of deductible or self-insurance retention shall be the sole responsibility of Consultant.

Consultant shall be solely responsible for the safety of its employees and subcontractors at the Project work site, and shall comply with all applicable federal, state and local statutes, regulations and ordinances regarding safety.

8. Indemnification. Consultant shall defend, indemnify and hold harmless the District, its elected and appointed officers, employees and agents and volunteers from and against all claims, injuries, damages, liabilities, losses of suits, including attorneys' fees and costs, arising out of or relating to Consultant's performance under this Agreement, except for injuries or damages caused by the sole negligence of the District. For the purposes of this indemnification, Consultant specifically and expressly waives any immunity granted under the Washington Industrial Insurance Act, Title 51 RCW. This waiver has been mutually negotiated and agreed to by the parties. If a court of competent jurisdiction determines that this contract is subject to RCW 4.24.115, Consultant's obligation to defend, indemnify and hold harmless the District, its officers, employees, agents and volunteers shall be limited to the extent of Consultant's negligence. The provisions of this Section shall survive the expiration of termination of this Agreement.

9. Ownership of Documents. Consultant agrees to return to District upon termination of this Agreement all documents, logs, drawings, photographs and other written or graphic material, however produced, received from District and used by Consultant in performance of its services hereunder. All documents, logs, drawings, specifications, designs, mylars, surveys, survey data, reports and other work product (collectively referred to as "Work Product") produced by Consultant in connection with the services rendered under this Agreement shall be owned by District. District shall own all copyrights to such Work Product and Consultant agrees to assign all ownership rights to such Work Product to the District. Reuse of any such Work Product by the District for other than a specific project or modification in use by the District of any of the Work Product without the Consultant's prior written approval shall be at the District's sole risk.

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10. Standard of Care. Consultant warrants that its services shall be performed with the level of care, skill and competence of the consulting profession in accordance with the standard for professional services at the time the services are rendered.
11. Right of Entry. District shall provide for the right of entry of Consultant and its subcontractors and all necessary equipment in order to complete the services under this Agreement.
12. Compliance with Codes and Standards. Consultant's Professional Services shall be consistent with the standard of care and shall incorporate those publicly known federal, state and local laws, regulations, codes and standards that are applicable at the time Consultant renders its services.
13. Discovery of Hazardous Materials. The Parties recognize that unanticipated hazardous materials or suspected hazardous materials may be discovered on District's property or on property included as part of the site of work but not owned by District. The discovery of unanticipated hazardous materials may delay the Consultant's provision of the services required herein. In that event, the parties may extend the Contract Completion Date by mutual agreement.
14. Termination. This Agreement may be terminated by either Party upon five (5) days written notice for any reason. In the event of termination, Consultant shall be entitled to compensation for all services performed and costs incurred through and including the date of termination, except as to any disputed amounts.
15. General Provisions.
 - a. Notices. Any notice or demand desired or required to be given under this Agreement shall be in writing and deemed given when personally delivered, sent by facsimile machine, or deposited in the United States Mail (or with an express courier), postage prepaid, sent certified or registered mail, and addressed to the parties as set forth below or to such other address as either Party shall have previously designated by such a notice:

AGREEMENT FOR CONSULTING SERVICES

<u>To the District:</u> Highline Water District 23828 30th Ave. S. Kent, WA 98032 Attn: General Manager	<u>To the Consultant:</u> RH2 Engineering, Inc. 22722 29th Drive SE, Suite 210 Bothell, WA 98021 Attn: Dan Mahlum, P.E.
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- b. Entire Agreement. This Agreement and its exhibit attachments contain the entire understanding between the District and Consultant relating to the consulting services which are the subject of this Agreement. This Agreement merges all prior discussions, negotiations, letters of understanding or other promises whether oral or in writing. Subsequent modification or amendment of this Agreement shall be in writing and signed by the parties to this Agreement.
- c. Waiver. Waiver of any breach or default hereunder shall not constitute a continuing waiver or a waiver of any subsequent breach either of the same or of another provision of this Agreement.
- d. No Third Party Rights. This Agreement is made only for the benefit of the District and Consultant and successors in interest and no third party or person shall have any rights hereunder whether by agency, as a third party beneficiary, or otherwise.
- e. Jurisdiction/Law. This Agreement shall be governed by and construed in accordance with the laws of the State of Washington. Any suit to enforce or relating to this Agreement shall be brought in King County Superior Court, King County, Washington.
- f. Severability. If any term, covenant or condition of this Agreement is held by a court of competent jurisdiction to be invalid, the remainder of this Agreement shall remain in effect.
- g. Effective Date. The effective date of this Agreement shall be the date that this Agreement has been signed by authorized representatives of both Parties hereto ("Effective Date").

AGREEMENT FOR CONSULTING SERVICES

RH2 ENGINEERING, INC.
("CONSULTANT")

By _____
Typed Name Richard Harbert
Its President
Dated _____

HIGHLINE WATER DISTRICT
("DISTRICT")

By _____
Typed Name Matt Everett
Its General Manager
Dated _____

EXHIBIT A
Scope of Work
Highline Water District
Des Moines Treatment Plant
On-site Sodium Hypochlorite Generation
Phase 2 - Predesign, Design,
and Services During Bidding and Construction

November 2012

Background

The Highline Water District (District) currently disinfects its Angle Lake Well with chlorine gas. The City of SeaTac (SeaTac) has notified the District that the Angle Lake chlorine gas facility is not in compliance with current code. The District retained RH2 Engineering, Inc., (RH2) to study options for compliance with the code.

In Phase 1 of this project, RH2 performed an On-Site Sodium Hypochlorite Generation Feasibility Study on the Angle Lake well and Des Moines Treatment Plant (DMTP). RH2 recommended that the District should replace the gas chlorination system at the DMTP with an on-site sodium hypochlorite generation system large enough to chlorinate both the Angle Lake and Des Moines wells. The Angle Lake well has a dedicated transmission main that connects to the DMTP; therefore, the chlorination systems can be consolidated. While the gas chlorination system at the DMTP has not been under as much scrutiny as the Angle Lake chlorination system for storing hazardous chemicals, transitioning the DMTP to on-site sodium hypochlorite generation is the overall prudent next step.

This Scope of Work continues the Phase 1 work as Phase 2 and includes a pilot study, preliminary design, final design, services during bidding, and services during construction. The pilot study will identify water quality treatment operations impacts from the change in chlorination feed location. Preliminary design will summarize the full-scale improvements into a project letter report. Final design will prepare the project documents for the proposed chlorination system and existing building and mechanical systems retrofit. The final tasks are to assist the District during project bidding and construction.

Previous Project Phases

- Phase 1 - On-Site Sodium Hypochlorite Generation Feasibility.

Phase 2 Project Approach

Task 1 – Pilot Study

Objective: Determine water quality treatment operations impacts from the change in chlorination feed from chlorine gas to liquid sodium hypochlorite.

Approach:

- 1.1 Pilot Study Protocol – Design a full-scale pilot plant testing protocol and determine joint responsibilities for performance. Develop a data collection form in Microsoft Excel format.
- 1.2 Pilot Operations Assistance – Meet with the District to discuss implementation of the pilot plant protocol and assist with startup. *It is assumed that the District will procure the liquid sodium hypochlorite and feed system, and that an operator will conduct the daily testing while the full-scale pilot is in operation. It is also assumed that the District will compile collected pilot data in Microsoft Excel.*
- 1.3 Data Review and Technical Memorandum – Review the data collected from the full-scale pilot study and summarize the conclusions in a technical memorandum.

Assumptions: *The District will order all pilot equipment and perform installation and setup. The District will conduct water quality sampling for the duration of the pilot, duration assumed to be no more than one (1) week.*

RH2 Deliverables:

- One (1) pilot study protocol and data collection form.
- One (1) preliminary technical memorandum.
- One (1) final technical memorandum.

Task 2 – Project Letter Report

Objective: Prepare a project letter report for submittal to the Washington State Department of Health (DOH) based on applicable WAC 246-290-110 report requirements.

Approach:

- 2.1 Project Letter Report – Update and modify the previously created *Angle Lake and Des Moines Wells Chlorination Systems Analysis* into a project letter report. Include the latest findings from the pilot study from Task 1. Submit draft to the District for approval. Prepare final letter for submittal to DOH in a later Task.

RH2 Deliverables:

- One (1) preliminary project letter report.
- One (1) final project letter report.

Task 3 – Final Design

Objective: Prepare the final design of the proposed improvements.

Approach:

- 3.1 Overall Angle Lake and Des Moines Well Treatment Process – Develop an overall process schematic for chlorinating both the Angle Lake and Des Moines Wells with an on-site sodium hypochlorite generation system at the DMTP. Identify operational scenarios when either or both sources are in operation.
- 3.2 Existing Building Structural Analysis – Provide details for replacing/enclosing the existing window at Angle Lake in compliance with the International Fire Code. Analyze existing

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- DMTP structures based on District-provided as-built records for the ability to support the additional weight of the chlorination equipment. *It is assumed for scoping purposes that the existing DMTP structure is adequate in strength to carry the equipment weight and that only minor structural modifications will be required.*
- 3.3 Mechanical Demolition Plan – Prepare the DMTP mechanical demolition and phasing plan from District-provided as-built records for decommissioning existing mechanical components and incorporating the proposed chlorination system into the process while minimizing plant down time.
 - 3.4 Chlorination System Design – Prepare the mechanical design plans, sections and details of the DMTP on-site sodium hypochlorite generation and chemical feed systems.
 - 3.5 Minor Mechanical Design – Prepare the DMTP minor mechanical design including minor water supply, instrumentation modifications, drains and other appurtenances.
 - 3.6 Electrical – One-Line Diagram, Power Distribution and Signal Plan, Electrical Details – Prepare plans of the building power supply; electrical panel design; and process and instrumentation control.
 - 3.7 Telemetry Block Diagrams – Prepare plans detailing the telemetry interface with the District’s existing system.
 - 3.8 Cost Estimate – Prepare construction cost estimate.
 - 3.9 50-percent QA/QC – Submit a PDF electronic copy of the plans to the District at the 50-percent completion stage to assure that the design incorporates District preferences. *It is assumed that the District will provide their review comments via e-mail.*
 - 3.10 Specifications – Prepare “non-plan” documents required for a complete set of bid documents, including non-technical and technical specifications including: general, site work, structural and architectural, finishes and furnishings, equipment and mechanical, electrical and control, bid schedule and measurement and payment sections.
 - 3.11 90-percent QA/QC and Design Review Meeting – Submit a PDF electronic copy of the plans and specifications to the District at the 90-percent completion stage to assure that the design incorporates District preferences. Attend one (1) meeting with the District to discuss review comments. Review plans internally for completeness and errors and verify that all District comments have been addressed.
 - 3.12 DOH Submittal – Prepare a submittal package to DOH, including predesign letter report, design plans and a complete set of the bid documents. RH2 will submit the package to DOH. *It is assumed that DOH will have no review comments. If DOH does have review comments, RH2 will prepare a contract amendment at that time to review and respond to DOH comments.*

RH2 Deliverables:

- All “non-plan” contract documents, 50- and 90-percent completion design plan reviews; in-house reviews; bid-ready plans; and completed DOH submittal application and attachments.

Task 4 – Services During Bidding

Objective: Assist the District with bidding and construction contract award.

Approach:

- 4.1 Bid Documents Finalization – RH2 to finalize one (1) hard copy and one (1) electronic copy of bid documents in PDF for the District to produce and distribute. RH2 will produce one (1) hard copy for in-house use.
- 4.2 Bidder Questions – RH2 staff will respond to bidder's technical questions during the bidding process. It is assumed that the District will respond to procedural questions.
- 4.3 Prepare and Issue One Addendum – RH2 will prepare one (1) addendum in electronic PDF format for the District to distribute to the plan holders.

District Deliverables: *It is assumed the District will perform the following tasks during the bidding process.*

- Production and distribution of bid documents.
- Bid tabulation and analysis.
- Reference check of the lowest bidder.
- Bid award and contract execution.

RH2 Deliverables:

- One (1) set of plans and specifications; responses to bidders' technical questions; and one addendum.

Task 5 – Services During Construction

Objective: Provide technical support during construction as requested by the District including: submittal review, on-site inspection, testing, startup observation and construction completion to the level as provided for in the Fee Estimate. Should additional support be required, RH2 can prepare a contract amendment for these additional services.

Approach:

- 5.1 Attend Pre-Construction Meeting – Attend the pre-construction conference to discuss important technical sections of the contract and contract requirements to make sure they have been brought to the Contractor's attention. Any documents required by the Contractor will be submitted at the conference for review and comments. *It is assumed that the District will organize and run the Pre-Construction meeting and prepare meeting minutes.*
- 5.2 Review Submittals/Shop Drawings – Review shop drawings and catalog submittals of those items requested in the technical specifications. RH2 will provide a written response to the construction contractor and the District accepting or rejecting each shop drawing and catalog submittal reviewed.
- 5.3 Inspection and Design Clarification – RH2 will provide technical support through periodic on-site construction observation, responding to Contractor's technical questions and requests for information, and reviewing change orders. RH2 will alert the District where deficiencies in

the quality of the construction and non-compliance with the project documents are observed. *It is assumed that the District will process Contractor pay requests and daily construction observation.*

- 5.4 Startup Coordination and Overall System Implementation – RH2 will observe the testing of the chlorination system and its integration into the Des Moines Treatment Plant. RH2 will prepare the project acceptance letter to the District and the construction completion report to the DOH. *It is assumed that RH2 will perform one (1) site visit during startup to verify testing and to confirm overall system integration.*

District Deliverables: *It is assumed the District will perform the following tasks during Construction.*

- Implementation of the Pre-Construction meeting.
- Overall construction management and daily construction observation.
- Processing of Contractor pay requests.
- Final completion and closeout of the contract with the general contractor.

RH2 Deliverables:

- Inspection reports.
- Written responses for shop drawings and submittals; RFIs and change orders.
- DOH construction completion report.
- Five (5) site visits for construction inspection.
- One (1) site visit for startup and testing observation.

EXHIBIT B

Highline Water District

Des Moines Treatment Plant

On-site Sodium Hypochlorite Generation, Phase 2 - Pre-design, Design, and Services During Bidding and Construction

Estimate of Time and Expense

Description		Total Hours	Total Labor	Subconsultant	Total Expense	Total Cost
Classification						
Task 1	Pilot Study					
1.1	Design Pilot Study Protocol	5	\$ 739	\$ -	\$ 118	\$ 857
1.2	Provide Pilot Operations Assistance	9	\$ 1,307	\$ -	\$ 172	\$ 1,479
1.3	Review Data and Prepare Technical Memorandum	8	\$ 1,024	\$ -	\$ 126	\$ 1,150
	Subtotal	22	\$ 3,070	\$ -	\$ 416	\$ 3,486
Task 2	Project Letter Report					
2.1	Prepare Project Letter Report	14	\$ 1,956	\$ -	\$ 149	\$ 2,105
	Subtotal	14	\$ 1,956	\$ -	\$ 149	\$ 2,105
Task 3	Final Design					
3.1	Develop Overall Angle Lake and Des Moines Weir Treatment Process	5	\$ 739	\$ -	\$ 123	\$ 912
3.2	Provide Existing Building Structural Analysis	32	\$ 4,060	\$ -	\$ 602	\$ 5,262
3.3	Prepare Mechanical Demolition Plan	10	\$ 1,478	\$ -	\$ 247	\$ 1,725
3.4	Prepare Chlorination System Design	38	\$ 5,528	\$ -	\$ 659	\$ 6,281
3.5	Prepare Minor Mechanical Design	10	\$ 1,478	\$ -	\$ 247	\$ 1,725
3.6	Prepare Electrical Design	42	\$ 5,586	\$ -	\$ 1,045	\$ 6,631
3.7	Prepare Telemetry Design	8	\$ 1,052	\$ -	\$ 285	\$ 1,337
3.8	Prepare Cost Estimate	16	\$ 3,288	\$ -	\$ 167	\$ 3,445
3.9	50-Percent QA/QC	6	\$ 985	\$ -	\$ 124	\$ 1,092
3.10	Prepare Specifications	42	\$ 5,286	\$ -	\$ 232	\$ 5,618
3.11	90-Percent QA/QC and Attend Design Review Meeting	10	\$ 1,740	\$ -	\$ 182	\$ 1,922
3.12	Prepare DOH Submittal	6	\$ 740	\$ -	\$ 119	\$ 859
	Subtotal	225	\$ 31,643	\$ -	\$ 4,068	\$ 35,709
Task 4	Services During Bidding					
4.1	Finalize Bid Documents	8	\$ 1,194	\$ -	\$ 130	\$ 1,324
4.2	Respond to Bidder Questions	5	\$ 781	\$ -	\$ 120	\$ 901
4.3	Prepare Addendum	5	\$ 645	\$ -	\$ 116	\$ 761
	Subtotal	18	\$ 2,620	\$ -	\$ 366	\$ 2,986
Subtotal Des Moines Treatment Plant Tasks		279	\$ 39,289	\$ -	\$ 4,996	\$ 44,285
Task 5	Services During Construction					
5.1	Attend Pre-Construction Meeting	4	\$ 626	\$ -	\$ 158	\$ 781
5.2	Review Submittals and Shop Drawings	58	\$ 7,580	\$ -	\$ 280	\$ 7,860
5.3	Provide Technical Support, On-Site Inspection and Design Clarification	64	\$ 9,152	\$ -	\$ 523	\$ 9,675
5.4	Startup Coordination and Overall System Implementation	28	\$ 4,124	\$ -	\$ 242	\$ 4,366
	Subtotal	154	\$ 20,882	\$ -	\$ 1,055	\$ 21,921
Subtotal Services During Construction Tasks		154	\$ 21,492	\$ -	\$ 1,209	\$ 22,701
PROJECT TOTAL		433	\$ 60,781	\$ -	\$ 6,206	\$ 66,987

EXHIBIT C
RH2 Engineering, Inc.
SCHEDULE OF RATES AND CHARGES

2012 HOURLY RATES

CLASSIFICATION	RATE	CLASSIFICATION	RATE
Professional	IX \$193.00	Technician	IV \$123.00
Professional	VIII \$193.00	Technician	III \$115.00
Professional	VII \$185.00	Technician	II \$85.00
		Technician	I \$80.00
Professional	VI \$171.00		
Professional	V \$163.00	Administrative	V \$114.00
Professional	IV \$133.00	Administrative	IV \$95.00
		Administrative	III \$81.00
Professional	III \$142.00	Administrative	II \$66.00
Professional	II \$133.00	Administrative	I \$55.00
Professional	I \$121.00		

IN-HOUSE SERVICES

In-house copies (each)	8.5" X 11"	\$0.09	CAD Plots	Large	\$24.00
In-house copies (each)	8.5" X 14"	\$0.14	CAD Plots	Full Size	\$10.00
In-house copies (each)	11" X 17"	\$0.20	CAD Plots	Half Size	\$2.50
In-house copies (color) (each)	8.5" X 11"	\$0.90	CAD System	Per Hour	\$27.50
In-house copies (color) (each)	8.5" X 14"	\$1.20	GIS System	Per Hour	\$27.50
In-house copies (color) (each)	11" X 17"	\$2.00	Technology Charge	2.5% of Direct Labor	
			Mileage	Current IRS Rate	

OUTSIDE SERVICES

Outside direct cost: for permit fees, reports, maps, data, reprographics, couriers, postage, and non-mileage related travel expenses that are necessary for the execution of the project and are not specifically identified elsewhere in the contract will be invoiced at cost.

All Subcontractor services are billed at cost plus 15%.

CHANGES IN RATES

Rates listed here are adjusted annually. The current schedule of rates and charges is used for billing purposes. Payment for work accomplished shall be based on the hourly rates and expenses in effect at the time of billing as stated in this Exhibit.