

REQUEST AUTHORIZATION FOR MAYOR AND FINANCE OFFICER TO SIGN PROFESSIONAL SERVICES AGREEMENT

August 12, 2008

Project Name & Number: Landfill Gas Study
SWO08-1739

CIP #: 50737

Project Description: Conduct non-methane organic compound (NMOC) investigation per federal and state regulations and conduct landfill gas study to determine the technical and economic feasibility of beneficial utilization of the landfill gas.

Consultant: Wenck Associates, Inc.

Original Contract Amount: \$58,248.00

Original Contract Date: July 30, 2008

Original Completion Date: Dec. 31, 2008

Amendment Number:

Amendment Description:

Current Contract Amount: _____

Current Completion Date: _____

Change Requested: _____



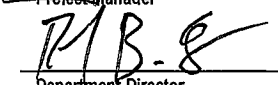
New Contract Amount: _____ \$0.00

New Completion Date: _____

Funding Source This Request:

Amount	Dept.	Line Item	Comments
\$58,248.00	7102	4223	Solid Waste Enterprise Fund 615/7102/4223
\$58,248.00	Total		

Agreement Review & Approvals

 _____ <small>Project Manager</small>	8/6/08 _____ <small>Date</small>	 _____ <small>Division Manager</small>	8-6-08 _____ <small>Date</small>
 _____ <small>Department Director</small>	8/6/08 _____ <small>Date</small>	_____ <small>City Attorney</small>	_____ <small>Date</small>

ROUTING INSTRUCTIONS

Route two originals of the Agreement for review and signatures.
 Finance Office - Retain one original
 Project Manager - Retain second original for delivery to Consultant
 cc: Public Works
 Engineering
 Project Manager

FINANCE OFFICE USE ONLY

(Note to Finance: Please write date of Agreement in appropriate space in the Agreement document)

	Date	Initials	Approved
Appropriation			Y N
Cash Flow			Y N

CONSULTING AGREEMENT

By and Between

CITY OF RAPID CITY
300 Sixth Street
Rapid City, South Dakota 57701

and

WENCK ASSOCIATES, INC.
1800 Pioneer Creek Center
P.O. Box 249
Maple Plain, Minnesota 55359-0249

for

CITY OF RAPID CITY
Landfill Gas Study
Project No. SW008-1739

This Agreement entered into this 30th day of July, 2008 by and between **City of Rapid City** (hereinafter the **Client**) and **WENCK ASSOCIATES, INC.** (hereinafter the **Consultant**) to provide certain professional engineering services as set forth below.

I. Work to be Performed

The **Consultant** shall furnish professional engineering services as directed by the **Client**. The **Consultant** will provide experienced staff to perform the services in a competent and professional manner. The services will include the work described in Exhibit I and Exhibit II. At the **Client's** request the **Consultant** shall furnish periodic cost estimates to the **Client** for services to be performed. The work outlined in Exhibit I and Exhibit II are considered Phase 1 of the project. Additional phases will be negotiated at the completion of Phase 1. Work shall be completed in accordance with schedule provided in Exhibit III.

II. Compensation

In full consideration for services under this Agreement, the **Consultant** shall be compensated for services on a per task basis, not to exceed the amount stated in Exhibit III.

Additional work approved by the **Client**, outside of the scope of services described in Exhibit I, will be billed at hourly rates as shown in Exhibit IV. No work outside of Exhibit I and Exhibit II, will be done unless approved by the **Client**.

The **Consultant** shall bill **Client** on a monthly basis and shall provide any reports, invoices and records which may reasonably be required. All invoices shall be submitted to the **Client's** representative for payment. **Client** shall make payment on the basis of properly itemized and documented invoices within 45 days after receipt of the invoice.

III. Independent Contractor

In rendering services hereunder, the **Consultant** shall be an Independent Contractor and no employer/employee relationship shall arise out of or result from rendering such services.

IV. Personnel

The **Consultant** represents that it has, or will secure at its own expense, all personnel required in performing the Services under this Agreement. It is agreed that other consultants and contractors that may be required to fully carry out the work will be retained directly by the **Client**.

All of the Services required hereunder will be performed by The **Consultant** and all personnel engaged in the work shall be fully qualified and shall be authorized and permitted under South Dakota and local laws to perform such Services.

V. Responsibilities

The **Consultant** shall be and remain liable in accordance with applicable law for damages to the **Client** caused by The **Consultant's** negligent performance of Services furnished under this Agreement except for errors, omissions, or other deficiencies to the extent attributable to **Client**, or any third party. The **Consultant** shall not be responsible for any time delays in the project caused by circumstances beyond the **Consultant's** control.

VI. Changes

The **Client** may, at any time by written order, make changes within the general scope of this Agreement in the Services to be performed. If such changes cause an increase or decrease in cost of, or time required for, performance of any Services under this Agreement, whether or not changed by any order, an equitable adjustment shall be made and this Agreement shall be modified in writing accordingly. Any claim of the **Consultant** for adjustment under this clause must be asserted in writing within thirty (30) days from the date of receipt by the **Consultant** of the notification of change unless the **Client** grants a further period of time before the date of final payment under this Agreement.

VII. Assignability

The **Consultant** shall not assign any interest in this Agreement, and shall not transfer any interest in the same (whether by assignment or novation), without prior written consent of the **Client** hereto.

VIII. Confidentiality

Any reports, information, data, drawings, specifications, estimates and summaries given to or prepared or assembled by the **Consultant** under this Agreement shall not be made available to any individual or organization by the **Consultant** to the extent allowed by law without prior written consent of the **Client** hereto. All reports and other communications from the **Consultant** concerning the work to be performed shall be directed to the **Client**.

IX. Insurance

The **Consultant** specifically obligates themselves to the **Client** in the following respects, to wit:

The **Consultant** shall defend, indemnify and hold harmless the **Client**, their officers, agents and employees, from suits, actions, proceedings, claims or liability including, but not limited to, death or personal injury of persons, property damage, and expenses including reasonable attorney's fees, costs and other fees, incidental to the defense of such suits, actions, proceedings or claims, based upon or alleged to be based upon, the error, omission, or negligent act by the **Consultant**, its officers, agents or employees and arising out of, occurring in connection with, resulting from, or caused by the performance, or failure of performance, or the work or Services under this Agreement.

Client will indemnify, defend and hold the **Consultant** harmless from any and all loss, damages, costs, penalties, claims, liabilities, and expenses including reasonable investigation and legal expenses arising out of any claim or loss or damage of any nature whatsoever from or in any way related to **Consultant** services to **Client** under this Agreement based upon or alleged to be based upon the error, omission, or negligent act of **Client**, its officers, agents or employees, excepting any acts or omissions arising out of the negligent performance of any services provided by the **Consultant**, its officers, agents, or employees.

The **Consultant** further specifically agrees that it is an independent Contractor and an employing unit subject as an employer, to applicable Unemployment Compensation Statutes, so as to relieve the **Client** of responsibility of liability for treating the **Consultant's** employees as employees of the **Client** for the purpose of keeping records, making reports and payment of Unemployment Compensation taxes or contributions; and the **Consultant** agrees to indemnify and hold the **Client** harmless and reimburse them for expense or liability incurred under said Statutes in connection with employees of the **Consultant**, including a sum equal to benefits paid to those who were the **Consultant's** employees, where such benefit payments are charged to the **Client** under any Merit Plan or its individual Reserve Account pursuant to any State Unemployment Compensation Statute.

The **Consultant** shall also provide and maintain in full force and effect during the time of this Agreement, insurance covering the operation of automobiles, trucks and other vehicles of the company satisfactory to the **Client**, protecting the **Consultant** and the **Client** against liability from damages because of injuries, including death, suffered by a person or persons other than employees of the **Consultant**, and liability or damages to property, arising from or growing out of the **Consultant's** operations in connection with the performance of this Agreement.

Automobile Liability Insurance shall be in the sum of not less than \$1,000,000 for Combined Single Limit for Bodily Injury and Property Damage. General Liability Insurance shall be in the sum of not less than \$1,000,000 Combined Single Limit for Bodily Injury and Property damage.

Such Insurance policies shall have the City of Rapid City as an additional insured with respect to all activities arising out of the performance of the services under this agreement.

A signed Certificate of Insurance satisfactory to the **Client** of compliance with the requirements of this section shall be furnished to the **Client** under this Agreement. Such Certificate of Insurance shall provide for ten (10) days written notice to the **Client** prior to the cancellation or modification of any insurance referred to therein. The **Client** failure to obtain from the **Consultant** a Certificate of Insurance conforming to the foregoing requirements shall not be deemed a waiver of any of the foregoing requirements.

X. Representatives

Mr. Rodney Ambrosie will be the representative for the **Consultant** for the purpose of this Agreement. **Mr. Dan Coon** will be the **Client's** representative for the purposes of this Agreement.

XI. Termination

This Agreement shall be effective from July 30, 2008 and shall terminate upon completion of the **Consultant** work hereunder unless sooner terminated by either party by giving sixty days notice of termination in writing to the other party.

IN WITNESS WHEREOF, the **Client** and **Consultant** have executed this Agreement as of July 30, 2008.

Approved as to form and execution this 30th day of July, 2008.

CITY OF RAPID CITY

WENCK ASSOCIATES, INC.

Mayor



Rod Ambrosie
Executive Vice President

City Finance Officer

Exhibit I – Wenck Project Scope

Wenck, teamed with AET, have prepared a scope of services for Phase 1 of this project. Phase 1 will consist of the following scope:

- NMOC Investigation
 - Since the last NMOC investigation at the landfill was conducted in 2003 and they're required every five years by both the Administrative Rules of South Dakota Section 74:36:07:42.01 and Environmental Protection Agency (EPA) regulations specified in 40 CFR Part 60.754 another NMOC investigation is required in 2008.
 - AET will conduct the NMOC and be overseen by Wenck. Details of the scope of the NMOC are included in Exhibit II.
- Landfill Gas Study
 - Wenck will conduct the landfill gas study as described below with some assistance from AET.

Landfill Gas Study

The purpose of the Landfill Gas Study is to determine the technical and economic feasibility of beneficial utilization of the landfill gas. The study will include the following:

- Projected landfill gas generation rate considering
 - Current facility development
 - Proposed facility development
 - Historical waste acceptance rates
- Methane content of gas and corresponding heating value
- Possible landfill gas extraction rates
- Potential uses
 - Direct use of methane to heat MRF Co-composting Facility to offset natural gas costs.
 - Piping and sale of methane to a third party.
 - Use of methane to generate electricity.
 - Flaring of landfill gas
- Capital expenditure forecasts for various re-use scenarios
- Revenue projections for the various re-use scenarios, including value of carbon credits or offsets.

In order to meet these objectives, Wenck will perform the following items of work:

Work Plan

Wenck will work with the City to develop a work plan that includes the methods of determination of gas quality and quantity, well field layout, etc. It will discuss design methodologies and any assumptions made regarding the modeling efforts. Once the methodology has been agreed upon, Wenck will perform the necessary modeling and design work to provide capital and revenue projections.

Exhibit I – Wenck Project Scope

Test Wells

Wenck subcontract the installation of 3 test wells advanced to a depth of approximately 30 feet, using a 6-1/4" diameter hollow stem auger. Upon completion of the test wells, sampling of the well will be conducted to determine gas quality. The data collected during this test will supplement the modeling effort described below.

Modeling, Concept Design, and Permit Identification.

In order to provide the city with accurate enough information to make a strategic decision, several design calculations must be performed, i.e. modeling of gas quality and quantity, concept designs for the collection and conveyance systems, financing options evaluations and legal/contractual issues. Also a thorough review of any federal or state permitting requirements, such as the office of pipeline safety, must be carefully performed at this stage.

Landfill Gas Migration Analysis and Mitigation Planning

At this early phase of the project, potential migration pathways must be evaluated, as that has a direct effect on the wellfield layout in certain areas that may be more susceptible to offsite migration. Through our recent work with the city on the landfill leachate extraction project, Wenck already has a very good understanding of subsurface conditions at the facility. This knowledge allows us to identify potential migration pathways with little additional effort. Once the potential migration pathways have been identified, active (gas extraction) and passive (vents, barriers, etc) mitigation strategies can be developed that complement a potential active gas extraction system that is intended to be used for some type of energy conversion, whether it be direct use or conversion to electricity.

Gas Modeling

Estimations of the gas quality and quantity will be made using (Land Gem), and this needs to be done early in the design. Many other facets of the design, i.e. piping layout, financing options etc, all depend on the quantity and quality of the gas extracted. In addition, Wenck uses a proprietary model which has been calibrated on existing projects which more accurately predicts landfill gas generation.

Potential LFG Generation Potential with Recirculation

Since the predicted landfill gas curves will form the basis of the economics and plan to move forward Wenck not only uses the EPA LandGem model for estimating, but also proprietary model developed by LFG Technologies, Inc. staff. This model more accurately predicts the generation rates and Wenck also uses this model for comparison purposes with the LandGem model.

Exhibit I – Wenck Project Scope

Concept Designs

Once the gas flow rate and quality have been estimated, a conceptual layout of the piping network can be completed, including header sizes and materials. At this time, it will also be known if any pretreatment for things such as excess sulfides or siloxanes will be required to prevent any corrosion to combustion and/or handling equipment, or fouling of combustion equipment.

Also, Wenck will evaluate the potential uses for the gas. The items to be evaluated are:

- **Direct use to boiler**
- **Electrical generation.**
- **Cleaning of gas to pipeline quality.**
- **General Flaring**

Permitting Review

This stage involves performing a review of all potential regulatory permits required, the time frames to obtain them and the cost of long term compliance with them. This should be done before the financing evaluation is performed, so that anticipated costs associated with permitting and compliance can be included.

Financing Options Evaluations

At this point, an initial financial model can be developed, now that the following costs can be estimated with reasonable accuracy:

- Initial capital expenditure
- Long term Operations and maintenance expenses
- Current value of gas based on btu content
- Current value of any Greenhouse Gas Offset credits

With the costs and revenue projections in place, a full life cycle economic analysis can be performed, which then can become the basis for any financing options.

Financing options for a project of this nature typically include the following:

- Owner financed through bonding
- Developer financed with royalty payments
- Hybrid of above

Exhibit I – Wenck Project Scope

Legal Review

A review of any potential legal issues, such as long-term easements, construction easements, access agreements, etc will be performed, so that the appropriate costs can be identified.

Periodic Review. In order to ensure that the project stays on its intended track, in addition to an information gathering/Project kickoff meeting, meetings at the 60%, and 90% with the City and key team members will be conducted by Wenck. Typical agendas will include discussions of the following:

- Progress;
- Budget / Schedule status;
- Review of original scope and work plan, to ensure that both are still applicable, given any potential project course changes that have occurred;
- Updated preliminary cost estimates;
- Financing/revenue issues; and
- Other relevant information.

It should be noted that there is no advantage necessarily for waiting until these pre-determined times in the project. Wenck and our clients have enjoyed the greatest success on projects like these when the review/meeting schedules are kept fluid and meetings are held as key developments occur. Wenck will work with the City to strategically choose the optimum meeting times as the project progresses.

Staff Training

All staff proposed for any field work to obtain information related to predicted landfill gas quality and generation rates have had the baseline health and safety training required by OSHA as well as the required annual refresher training applicable to landfill and explosive gasses.

Final Report Preparation. This phase of the work culminates in a final report including:

- Executive Summary of Evaluations;
- Study methods and approach
- Well locations and logs for wells used in the study
- Analytical results
- Discussion of technical feasibility for re-use of landfill gas
- Financial Cost Information Evaluations and Consideration
- A recommended approach for the city moving forward in a landfill gas to energy development project.
- Three copies of a draft report shall be submitted for City review and comment.
- Five copies of the final report will be submitted to the City of Rapid City. The report shall also be provided in electronic format.
- All drawings will be provided in AutoCAD Release 2006 format.

Exhibit I – Wenck Project Scope

Future Tasks Not Included in This Agreement

This project is intended to cover not only the work described herein, but subsequent additional phases of related work. The scope, fees and schedules of these subsequent phases will be negotiated prior to their initiation and a formal approval from the City will be obtained prior to executing any other contemplated work.

Specific items contemplated for future phases include:

- Assist the City in selection of a method and means of landfill gas management and extraction.
- Review and recommend to the City the best option from the Landfill Gas Utilization Study, based on costs, operation and maintenance, projected revenues, risks, time of completion, and lifespan of management option.
- If necessary, assist the City in negotiation of contract for services with a third party firm to implement the selected beneficial landfill gas utilization option.

This list is not intended to be an all-inclusive list of potential future services.

Exhibit II – AET Project Scope

American Engineering Testing, Inc. (AET) provides this work plan and scope of work for conducting a Non-Methane Organic Compound (NMOC) investigation as part of a Landfill Gas Study for the Rapid City Landfill.

The following scope of work will complete the NMOC Emissions Study in compliance of all State and Federal regulations:

Purpose and Scope of Work to be Performed

The purpose of our work on the project will be to perform the five year reevaluation of NMOC emissions from the Rapid City Landfill under air quality regulations.

In order to accomplish the above purpose we will provide professional services to the City of Rapid City (City) under the direction of Wenck Associates, Inc. in the form of labor, equipment, supplies, insurance, and other necessary work components necessary to perform the following tasks for Rapid City's Solid Waste Operations Division:

- Preparing And Submitting To The Air Quality Program, SDDENR, The Location Of Vapor Monitoring Points, Methods To Be Used, Dates Of Testing And All Other Required Items, And Receiving Approval In Writing From The SDDENR Prior To Performing The Work;
- Preparing A Work Completion Schedule;
- Mobilizing A Two Person Drill Crew Out Of Our Rapid City, South Dakota Office;
- Installing 50 Temporary Monitoring Points To A Depth Of Six To Eight Feet Below Grade (Minimum Of 1 Meter Below Landfill Cap) At Locations Provided By The City Using Geoprobe7 Direct Push (DP) Equipment;
- Completing Boring Logs For Each Probe Installation;
- Collecting Landfill Gas Samples From 50 Temporary Monitoring Points And Compositing Four Samples Per Canister In Compliance With 40 CFR Part 60, Subpart WWW, Appendix A, Method 25C;
- Analyzing The Samples For Non Methane Organic Compounds (Nmocs) And Total Gas Non Methane Organics (Tgnmos) Using EPA Method 25C, And Oxygen (O2), Nitrogen (N2) And Methane (CH4) Using EPA Method 3C; And
- Preparing A Formal Report On The Analysis Of Findings In Accordance With Federal Requirements.

Assessment Team

AET will utilize personnel from the Rapid City office of AET to perform the services as presented in this Scope of Work. Roger Hodson and Byron Schulz will service as AET Project Managers for the project and they will be assisted by the balance of the Rapid City staff. Analytical services will be subcontracted to Triangle Environmental Services, Inc., Research Triangle Park, North Carolina.

Exhibit II – AET Project Scope

Work Completion Schedule

AET proposes the following work completion schedule:

- Submitting to the Air Quality Program, SDDENR, the location of vapor monitoring points, methods to be used, dates of testing and all other required items within ten working days of receiving a notice to proceed.
- Commence field sampling activities in late September or early October 2008. We anticipate approximately five working days for completion of the field sampling activities and 15 working days for receipt of the laboratory analytical results.
- Following receipt of the laboratory analytical results, we anticipate approximately 20 to 30 working days to complete the formal report on the project.
- Completion date December 1, 2008.

Equipment

AET proposes to utilize the following equipment in performance of the assessment activities:

Direct Push Equipment:

- Geoprobe⁷, Model 5400, direct push probing machine mounted on 1994 Chevrolet 2500, 4-wheel drive pickup
- 1.25-inch outer diameter (O.D.) by 4-foot probe rods

Sampling Equipment:

- Geoprobe⁷, Post-Run Tubing System
- Geoprobe⁷ Vacuum/Volume System (eleven-liter tank with a 12 volt DC diaphragm pump and gauge calibrated in both tank volume and vacuum pressure)
- Eight-liter Summa Canisters
- Teflon⁷ Tubing
- Calibrated pressure gauge capable of measuring pressure to within 1 mm Hg
- Rotameter with stainless steel flow control valve
- Stainless steel sampling valve
- Temperature and barometric pressure gauges
- Stop Watch

Exhibit II – AET Project Scope

Methodologies

Proposed Borings/Sampling Locations

The direct push sampling locations will be provided by the City at the approximate locations of the previous 1998 and 2003 NMOC studies.

Direct Push Borings

The Direct Push (DP) unit is a sampling device which uses hydraulics to collect subsurface samples. The DP utilizes 1.25-inch outer diameter, four-foot drive rods to advance soil samplers to the desired depth. All equipment used for a DP boring which contacts soil or water is decontaminated prior to use.

Equipment Decontamination

The geoprobe unit and down-hole tools are steam cleaned prior to mobilization to the site. During field sampling activities, sampling equipment and down-hole tools are decontaminated between sample collection locations if equipment is not disposable. The equipment is washed with a detergent and water solution and rinsed with potable and deionized water prior to collecting each sample. Wash and rinse water is disposed of on the site through infiltration and evaporation.

Direct Push NMOC Sampling

Sample collection will be conducted in accordance with 40 CFR Part 60, subpart WWW, Method 25C, Appendix A. DP probe rods fitted with the Geoprobe⁷ Post-Run Tubing system components (description attached) will be advanced to a depth of not less than four feet below the landfill cap. The probe rods will be retracted one foot to create an open bore hole for sample collection. A bentonite seal will be placed around the probe rods at ground surface to prevent infiltration of ambient air during sample collection. Teflon⁷ tubing will be attached to a stainless steel adaptor, lowered through the probe rods and attached to a steel point holder. The sample tank vacuum, ambient temperature and barometric pressure will be measured and recorded prior to assembling the sampling probe purging system shown in Figure 25C-1, Method 25C. A minimum of two sample probe volumes (volume of open bore hole + volume of tubing) will be purged at a flow rate of 500 ml/min or less using the Geoprobe⁷ Vacuum/Volume System. Following purging, the vacuum/volume system will be replaced with the sampling train shown in Figure 25C-2, Method 25C. A minimum of 1 liter of each composited sample will be collected from 4 different probe locations in a single 8-liter Summa canister. Each individual composite sample must be of equal volume and this will be verified by measuring and recording the flow rate, sampling time and vacuum readings. Locations of composite samples will be marked to facilitate re-sampling from the same locations if N₂ or O₂ exceeds 20 % or 5 %, respectively, as determined by method 3C. New Teflon⁷ tubing and expendable drive points will be used at each sampling probe location.

Exhibit II – AET Project Scope

Chain of Custody

Upon collection of a sample to be analyzed in the laboratory, a chain of custody log will be initiated. The chain of custody log will include the following information: project, work order number, shipped by, shipped to, project manager, sampling point, location, field identification number, date taken, sample type, number of containers, analysis required and sampler's signature.

The chain of custody log will be delivered with the samples to the laboratory. Upon arrival at the laboratory, the samples will be checked in and custody of the samples will be signed over to the appropriate laboratory personnel. A copy of the chain of custody log will be submitted to the project manager.

Quality Assurance/Quality Control (QA/QC)

QA/QC manuals are available at AET offices for your review.

Chemical Analysis

The vapor samples collected for analysis will be relinquished to a certified analytical laboratory and analyzed for the presence and concentration of non methane organic compounds (NMOCs) and total gas non methane organics (TGNMOs) using EPA Method 25C, and oxygen (O₂), nitrogen (N₂) and methane (CH₄) using EPA Method 3C.

Reporting

We will prepare a formal report that presents the results of our field activities and the analysis of findings in accordance with 40 CFR Part 60.754.

Staffing

We anticipate that Roger Hodson and Byron Schulz will be the Project Managers for this project. The Project Manager will be assisted by the balance of the Rapid City office staff.

Exhibit III – Project Fees and Schedule

Project Fees

Based on the scope presented above and proposed fee schedule in Exhibit II, Wenck has estimated the fees to be as follows. This agreement shall be a cost reimbursable – not-to-exceed agreement in the amount of \$58,248.00.

Title	Project Manager	Engineer II	Engineer	Cadd	Clerical	Expenses		Total
	Rate/Hr	\$154	\$112	\$85	\$123	\$61	Sub-contractors (AET)	
Task						Direct		
1. Landfill Gas Study Exhibit I	60	40	50	40	16	\$2,700	\$3,850	\$30,416
2 NMOC Investigation Exhibit II	8	0	0	0	0	\$0	\$26,600	\$27,832
Contract Totals	68	40	50	40	16	\$2,700	\$30,450	\$58,248

Schedule

The following is the schedule for Phase 1 of this project:

Notice to Proceed with Investigation	August 19, 2008
Complete NMOC Investigation	December 1, 2008
Complete Landfill Gas Utilization Study	December 31, 2008

Exhibit IV – Fees

WENCK ASSOCIATES, INC.
PROFESSIONAL ENGINEERING FEE SCHEDULE
JANUARY 2008

	<u>Hourly Rate</u>
General Office	\$55.00
Clerical	\$61.00
Technician/Word Processor	\$69.00
Field Technician/Sr. Word Processor	\$78.00
Junior Engineer/Junior Scientist	\$85.00
Assistant Engineer/Assistant Scientist	\$94.00
Engineer/Scientist	\$104.00
Engineer II/Scientist II	\$112.00
Engineer III/Scientist III/Designer	\$123.00
Senior Engineer/Senior Scientist	\$133.00
Project Engineer/Project Professional	\$144.00
Supervising Engineer/Supervising Professional	\$154.00

- *Subcontracted services will be billed at cost plus 15 percent.*
- *Mileage will be billed at the IRS approved rate.*
- *Reproductions will be billed at the rate of \$0.15 per copy.*
- *AutoCAD/Intergraph/GIS/Modeling will be billed at a rate of \$10.00/hour.*
- *Invoices are due upon presentation. Invoice balances not paid within thirty (30) days of invoice date are subject to 1-1/2% (18% annual) interest or finance charge.*
- *Rates to be adjusted annually.*