Fluor Hanford
P.O. Box 1000
Richland, Washington 99352

FLUOR

JAN 2 3 2006

FH-0501443.2

Mr. Brian Mathis
Project Manager
S. M. Stoller Corporation
1100 Jadwin, Suite 300
Richland, Washington 99354

Dear Mr. Mathis:

MEMORANDUM OF AGREEMENT BETWEEN FLUOR HANFORD, INC., AND S. M. STOLLER CORPORATION REGARDING THE PERFORMANCE OF GEOPHYSICAL LOGGING AT THE HANFORD SITE, REV. 2

The purpose of this letter is to transmit one fully executed original of the subject Memorandum of Agreement, Rev. 2, between S. M. Stoller Corporation (Stoller) and FH to Stoller for your records.

If you have any questions, please contact Mr. Bruce Ford at 373-3809. Contractual questions may be referred to Ms. Lori Hunter at 376-6986.

Very truly yours,

Ronald G. Gallagher
President and
Chief Executive Officer

Attachment

RL – B. L. Charboneau - w/attachment
J. G. Morse – w/attachment
J. F. Schwier – w/attachment
S. A. Sieracki – w/attachment
J. M. Silko – w/attachment
M. K. Thompson – w/attachment

FH-0501443.2

ATTACHMENT

Memorandum of Agreement Between
Fluor Hanford, Inc. and S. M. Stoller Corporation
Regarding the Performance of Geophysical Logging
at the Hanford Site,
Rev. 2

Consisting of 16 pages,
Including coversheet

Memorandum of Agreement
Between
Fluor Hanford, Inc.
And
S. M. Stoller Corporation

Regarding the Performance of Geophysical Logging at the Hanford Site
Rev. 2

November 2005

Memorandum of Agreement
Between
Fluor Hanford, Inc. and S.M. Stoller Corporation
Regarding the Performance of Geophysical Logging
at the Hanford Site
Rev. 2

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1.0 PURPOSE

This Memorandum of Agreement (MOA) defines the roles and responsibilities of Fluor Hanford, Inc. (FH) and S. M. Stoller Corporation (Stoller) governing the conduct of operations for borehole and surface geophysical logging at the Hanford Site, as authorized by the U.S. Department of Energy (DOE). FH's roles and responsibilities are dictated by the Project Hanford Management Contract (PHMC) DE-AC06-96RL13200 with the DOE Richland Operations Office (RL). Stoller's roles and responsibilities are governed by cooperative agreement with RL and, as dictated under contract DE-AC13-02GJ79491 with the DOE Grand Junction Office (GJO). This MOA was developed pursuant to PHMC Section C.6 *Other Contractors*, in support of work scope under PHMC Section C.2.6.1 *Manage and Integrate Hanford Site Groundwater Protection*. For the purpose of the work described within this MOA, FH is the performing contractor and Stoller is the requesting contractor, pursuant to PHMC Section C.6.

All activities of FH and Stoller under this MOA are funded under their respective prime contracts with DOE-RL.

2.0 BACKGROUND

Section C, *Description/Specification/Work Statement*, of the Stoller prime contract with the GJO states that both DOE RL and DOE Office of River Protection (ORP) requested a single-contract, geophysical logging program for execution through the Groundwater/Vadose Zone (GW/VZ) Integration Project. The GW/VZ Project Scope is inclusive of selected surface and subsurface investigative sites within the 100 Area, 200 Area, and 300 Area Operable Units, as well as selected sites along the Columbia River Corridor not otherwise currently defined, described, or included as individual Operable Units under the DOE-RL management and oversight. Additionally, the scope includes investigation considerations within the 200 East and 200 West Tank Farms and associated facilities under the DOE-ORP management and oversight. Stoller shall perform borehole and surface geophysical investigations using methods listed in Contract DE-AC13-02G79491.

3.0 SCOPE

In support of its contracted scope of work, Stoller requests support from FH in order to perform and complete scheduled the work. Stoller specifically requests the following services and support from FH:

- A Single Point of Contact (SPOC)
- Security badging and access requirements; to include photographing CTUIR personnel, managing the badging database, and notifying CTUIR of any unreturned expired badges.
- Safeguards oversight to ensure compliance with FH's material control and accountability requirements.
- Routine security checks by Hanford Patrol.
- Radiological protection support; to include Health Physics Technicians and document/records management
- Training (as described in Section 4.7 below)
- Mechanical maintenance and repair for the spectral gamma logging system vehicle(s)
- Office support facilities for field operations
- Historical waste site and borehole documentation
- Waste designation and disposal
- Industrial hygiene support

These activities shall be performed in accordance with the requirements of the PHMC and FH policies and procedures. The support and services provided by FH are further discussed in Section 4.0 below of this document.

4.0 UNDERSTANDINGS, AGREEMENTS, SUPPORT, AND RESOURCE NEEDS

Mutual understandings, agreements, support, and resources needs are described in this section. In particular, this section details the services and resources to be provided by FH.

4.1 Work Control Requirements

To satisfy the contractual requirements and obligations of both Stoller and FH, and specifically, to allow FH to integrate Stoller's activities into FH's work planning and scheduling, Stoller is requested to notify the appropriate FH Single Point of Contact or delegate when work is to be performed on the Hanford Site. Specifically, Stoller shall be required to perform the following:

- Stoller shall prepare and submit a *Work Release for Construction/Service Organizations Form (*WRCSOF) (Hanford Site form BC-6001-394) to the designated FH Field Representative for release of work, prior to the start of work on the Hanford Site.
- WRCSOFs for Stoller shall be scheduled and released on a weekly basis.
- The FH designated Field Representative and Stoller shall interface daily to ensure Stoller's activities are proceeding as specified and scheduled on WRCSOF.
- Stoller's field activities shall be limited to the items listed on WRCSOF.
- FH shall be notified in advance of any schedule modifications or changes in order to accommodate such changes.

4.2 Safeguards and Security

A DOE-approved security badge is required for all Stoller personnel requiring Hanford Site access. A security badge shall be requested for Stoller personnel by the DOE-RL sponsor/hosting staff. The required security badge(s) may be obtained at the FH Central Badging Office, located in the 3790 Building, 300 Area. Access to the designated test sites shall be controlled through FH and the WRCSOF process.

Operations and Facilities personnel at the Hanford Site work an 8-9s schedule. This work schedule includes eight 9-hour days and one 8-hour Friday in a two-week period. FH's Groundwater Project working hours are 6:00 AM to 3:30 PM for the 9-hour days, and 6:00 AM to 2:30 PM for the 8-hour Friday. Work performed outside normal operating hours shall not be permitted without written approval from FH.

4.3 Maintenance and Refueling of Well-Logging Vehicle

FH shall provide maintenance and refueling services for Stoller's well-logging vehicle(s). Stoller is directed to contact the designated FH Field Representative to arrange and schedule these services when necessary.

4.4 Office and Support Facilities

FH shall provide leased space for equipment storage and repair facilities to support Stoller borehole geophysical logging efforts, and maintenance of the calibration model facility, in accordance with the License of Real Property between FH and Stoller, dated June 15, 2004.

4.5 Historical Waste Site and Borehole Documentation

FH shall provide historical waste site and borehole documentation to Stoller upon request. The designated FH SPOC is the point of contact from whom to obtain this information. FH requests five (5) business days advance notice to honor such requests.

4.6 Waste Designation and Disposal

FH shall be responsible for the management of investigation-derived and other waste generated as a result of Stoller's activities. Waste generating and waste handling activities conducted by Stoller shall comply with the Waste Control Plans, Waste Management Plans for the applicable Operable Unit for which work is being performed. Stoller shall interface with the Waste Management Specialists (WMS) for additional guidance frequently and as the need arises. Any waste generated shall be reported to FH on a daily bases. The WMS may provide additional day to day guidance either by verbal communications or written communications via a Waste Packaging Labeling Instruction Sheet (WP/LIS).

4.7 Training/Medical Surveillance

The FH Occupational Safety and/or Radiological Control organizations, in conjunction with Stoller Management, shall determine the training, bioassay, and dosimetry requirements applicable for site access to perform geophysical logging activities. This determination of training requirements shall apply to FH, Stoller, vendors, subcontractors, and other persons requiring access and/or performing work at the logging site location. FH shall be responsible for providing funding for the required training classes for Stoller employees. Stoller shall be responsible for scheduling and labor for this training. For courses obtained off the Hanford site, an equivalency request can be granted for some courses. The FH SPOC shall complete Hanford Site Form A-6001-885 "Training Equivalency Request" and submit to the FH Training Department for an equivalency determination. At a minimum, all Stoller workers shall document that they have completed:

- Initial and annual Hanford HGET Training
- Radiation Worker II or refresher
- 40-Hour Hazardous Waste Site Worker training with current 8-hour refresher
- 24-hr on-the-job supervised training for Hazardous Waste Workers
- Hanford Basic Respiratory Training
- Quantitative Mask Fit
- Current Washington State CDL
- Introduction to Federal Motor Carrier Safety Regulations

- First Aid/CPR
- Annual Hazardous Waste Worker Physical
- Annual Whole Body Count
- 8-hr Hazardous Waste Site Supervisor Training (for on-site supervisors only)

Stoller is responsible to ensure training and qualification of its personnel remains current. For Hanford-specific refresher training, Stoller shall contact the FH designated Field Representative to arrange for such training.

4.8 Environmental, Safety, Health, and Quality Requirements

4.8.1 Environmental

Stoller shall perform geophysical logging activities in a manner that:

- Protects human health and the environment;
- Meets applicable federal, state, and local environmental regulations, permits, and compliance agreements/orders; and
- Fulfills environmental provisions of the PHMC (Contract DE-AC06-96RL13200), including applicable DOE Orders and documents.

Stoller shall ensure that staff are informed and remain aware of personal responsibilities to report non-emergency events and conditions (e.g., equipment leaks, spills) in a timely fashion so that further notification can be determined and provided as necessary.

Stoller shall ensure that staff are informed and remain aware of their responsibilities relative to the initial generation of all waste (regulated and non-regulated) generated during the performance of their scope of work.

4.8.2 Safety and Health

Stoller shall request access to individual work sites for their well-logging operations from FH. FH shall provide assistance in preparing and conveying the safety and health hazards and controls to Stoller and FH personnel through the following FH documents; Automated Job Hazard Analyses, work documents and procedures, Site-Specific Health and Safety Plans, and Radiation Work Permits. Stoller shall comply with requirements specified in these documents. FH OS&H and Radiological Control shall validate these baseline conditions prior to Stoller's mobilization to the well/job site. If conditions are consistent with established hazard controls; Stoller shall proceed to mobilize and establish and control its own operational site boundary and work zone. Within this operational boundary and work zone, Stoller management is responsible for ensuring

procedural compliance to GJO-HGIP-1.6.4, "Hanford Geophysical Logging Project Health and Safety Plan," and the AJHA by all personnel that enter the Stoller designated boundary and/or work zone. Specifically, Stoller is responsible for ensuring the health and safety of all personnel within their established work boundary.

Safety and health hazards shall further be communicated to Stoller and FH personnel through participation in Pre-Job briefings, Plan of the Day meetings, routine daily monitoring and demobilization surveys, or at a minimum, through briefings of the activities that are planned to occur in the geophysical logging work area.

Stoller is responsible to maintain and control chemicals, materials, its operational worksite, equipment, and work activities in a manner that complies with safety and health regulatory requirements, and above all, ensures employee safety. Stoller is also responsible for the safety and health of their employees, subcontractors and/or vendors they (Stoller) directly procure to support their efforts related to the workscope described in this MOA. Injuries and illness experienced by Stoller employees, subcontractors and/or vendors shall be reported and recorded in accordance to Section 4.12. Injuries and illnesses experienced by Stoller employees, subcontractors and/or vendors shall not be recorded by FH.

Stoller shall be responsible for developing a health and safety plan for the performance of their work and to ensure the safety of their personnel in accordance to the guidelines and requirements specified in 29 CFR 1910.120, *Hazardous Waste Operations and Emergency Response.* Additionally, Stoller is requested to incorporate FH requirements into their health and safety plan as specified in Section 4.9 of this document. This plan shall require review and approval by FH.

Stoller shall designate a "Safety Representative" responsible for field oversight and enforcement of the Stoller safety program(s), ensuring job-site safety requirements and procedures are being accomplished, and conducting safety inspections. The Safety Representative shall also be responsible for a continuing survey of Stoller's activities, to ensure that the probable causes of injury or accident are controlled and the operating equipment, tools, and facilities are used, inspected, and maintained as required by applicable safety and health regulations.

FH shall monitor the safety and health performance of the Stoller work activities in an effort to assist the Stoller Safety Representative in ensuring compliance to the applicable requirements and regulations. FH shall also be responsible for providing industrial hygiene technical support. Such support shall include establishing exposure controls and limits, and conducting sampling and monitoring for hazardous agents for all activities and evolutions. These exposure controls and limits for hazardous agents (i.e. chemical; not radiological) shall be specified in the Stoller HASP and the AJHA. Results of all industrial hygiene surveys and monitoring shall be provided to both the Stoller Safety

Representative and Stoller Project Management. FH Industrial Hygienists shall discuss exposure monitoring results with the respective Stoller Representatives and, as necessary, recommend or specify actions and controls to reduce or prohibit employee exposure to hazardous agents. Stoller and FH shall collaborate to implement these controls and ensure their effectiveness.

4.8.3 Radiological Protection Support

All work performed by Stoller and its subcontractors and/or vendors under this MOA shall be in accordance to the most current version of the FH's *Radiation Protection Program* (HNF-SP-1145) and the PHMC Radiological Control Manual (HNF-5173). Radioactive material or sources shall not be shipped to Hanford without prior notice to FH.

Stoller is responsible to follow the established controls and processes that assure activities are reviewed by FH Radiological Controls prior to commencement, are ALARA, and that workers are aware of current radiological conditions during activities. Stoller acknowledges the FH goal of zero skin and clothing contamination and the resultant associated controls. Stoller shall not move, modify, or install any radiological posting or label without specific approval of FH Radiological Control personnel. Equipment, parts or tools shall not be removed from the Hanford Site without monitoring by FH Radiological Controls.

Stoller shall notify FH in situations where employee eligibility to receive occupational exposure may be affected (e.g., pregnancy or medical treatments). Employees are encouraged to identify potential improvements or radiological problems by informing management and the use of Radiological Problem Reports (Hanford Site Form A-7600-318).

It is the responsibility of FH to ensure the requirements of the occupational radiation protection program are effectively implemented and executed. Accordingly, FH shall: establish radiological controls and limits, provide dosimetry and instruction for dosimeter use, perform surveys and monitoring of personnel and equipment, establish and maintain control of radiological sites and radioactive materials, and provide oversight to aid in assuring personnel working in radiological controlled areas perform work safely in accordance to permits and established controls. Stoller shall use radioactive material sources controlled by FH in accordance with FH procedures. FH shall maintain control of these radioactive sources in accordance to FH's Material Control and Accountability Program and the Fluor RPP. Results of radiological surveys and monitoring shall be provided to Stoller management, upon request. Occupational exposure reports shall be provided to individuals as required by 10 CFR 835 by FH.

4.8.4 Stop Work Responsibility

It is the policy of the Hanford Site that all employees, regardless of company affiliation, have the responsibility and authority to "stop work" IMMEDIATELY, without fear of reprisal, when employees are convinced a situation exists that places themselves, their coworker(s), or the environment in danger. Accordingly, Stoller shall honor this policy and communicate it to its work force.

"Stop work" is defined as stopping the specific task or activity that poses danger to human health and/or the environment.

4.8.5 Quality Assurance and Control

Work performed by or for Stoller shall comply with the requirements of Stoller's QA Plan contained in GJO-HGLP-1.6.2, *Hanford Geophysical Logging Project, Project Management Plan.*

Geophysical logging tools shall be calibrated prior to use. Spectral gamma tools are calibrated on the Hanford Borehole Calibration Standards. The minimum QC criteria for Gamma spectral logging shall be +/- 20% of source activity[1] in counts per second for selected peaks (609 KeV, 1461 KeV and 2615 KeV).

4.9 Applicable Procedures

The following FH and Groundwater Remediation Project (GRP) procedures have been determined to be applicable to this scope of work, and are to be incorporated and implemented into the Stoller workscope described in this MOA. Stoller personnel shall be knowledgeable and understand the requirements specified in these procedures.

- HNF-PRO-3468, *Stop Work Responsibility*
- HNF-RD-11198, *Storing, Using, and Handling Compressed Gas*
- HNF-RD-11058, *Occupational Medical Qualification and Monitoring*
- HNF-PRO-079, *Job Hazard Analysis*
- HNF-PRO-12115, *Work Management*
- HNF-PRO-10863, *Notebooks and Logbooks*

[1] From DOE/RL 96-68 HASQARD Volume 3 table 5.1

- HNF-PRO-15333, *Environmental Protection Processes* (Sections 5.56, 5.57, 5.59, 5.60, 5.62, 5.71, and 5.82)
- HNF-PRO-123, *Requesting Materials and Services*
- HNF-RD-11061, *Training Requirements*
- HNF-POL-11337, *Employee Training*
- GRP-EE-01-3.2, *Field Decontamination of Sampling Equipment*
  GRP-EE-01-6.2, *Field Cleaning and/or Decontamination of Geoprobe and Drilling Equipment*
- WMP-200 Procedure 6.1, *Waste Acceptance Program*

The following procedures and their requirements shall be incorporated into the Stoller Health and Safety Plan.

- HNF-PRO-3468, *Stop Work Responsibility*
- HNF-RD-11198, *Storing, Using, and Handling Compressed Gas*
- HNF-PRO-079, *Job Hazard Analysis*
- HNF-RD-11058, *Occupational Medical Qualification and Monitoring*

The following specific FH radiological control procedures are applicable to this MOA.

HNF-5173, *Radiological Control Manual*
RCP-4.3.1, *Sealed Radioactive Source Control*

4.10 Submittals

Required submittals and special condition provisions for selected boreholes and drive casing work are identified below. All required documents/submittals shall be provided to the FH SPOC for inclusion in the GRP project files. Stoller must provide the following:

1. A list of proposed baseline project wells/boreholes that will be logged each fiscal year (FY) and a schedule of logging activities. This schedule shall be updated at least monthly through the year.
2. A source description of specific isotopes and activities shall be submitted for FH approval prior to bringing such sources onsite. Specifically, written approval from the FH Radiological Control Management Organization is required to bring a radioactive source on the Hanford Site.
3. A Health and Safety Plan for FH review and approval; prior to initiating work. Any revisions or amendments shall immediately be submitted to FH for review and approval.

4. Training records for each Stoller worker, and documentation of completion of the training identified in Section 4.8 above, shall be submitted prior to initiating work.
5. Calibration documentation from annual tool calibration, and calibration after tool modification or repair.
6. Stoller Project Management Plan; and all subsequent updates.

4.11 Reporting Incidents, Injuries, or Emergencies

Stoller shall immediately notify FH (see Points of Contact) of any occurrence that may be reportable by applicable regulations or DOE requirements within one (1) hour of the event. Being that Stoller is directly contracted by DOE GJO but relies upon FH for most of its logistical support, FH shall process any occurrence notifications through FH and DOE-RL. Stoller shall cooperate in supporting and assisting the development of responses or corrective actions deemed necessary by FH throughout the occurrence reporting process. Spills and releases to the environment must be reported to FH as soon as practical to allow for FH internal reporting and evaluation. In the event of an emergency requiring immediate assistance, Stoller shall be responsible for contacting the appropriate emergency response personnel according to health and safety plans and procedures. Immediately following such notification for emergency purposes, Stoller will notify FH (see Points of Contact).

4.12 Geophysical Logging Reporting Requirements

Stoller shall report geophysical logging results and make required notification as described below. This format is necessary to ensure consistency for Hanford-generated geophysical reports and data. A total of one (1) color copy and one electronic copy of the logging report documenting the results of the logging activity shall be submitted to FH within 45 days of logging activity completion. The report shall include the following information:

1. Borehole Information

    - Borehole number, site name, survey coordinates (when available), depth to groundwater (when available), casing information (stickup, ID, OD and wall thickness), borehole construction details and any other pertinent borehole notes.

2. Logging Equipment and Log Run Information

    The following shall be recorded for each log:

- Name of the detector and logging system
- Operator name
- Logging procedure used
- Calibration reference
- Date
- Logging system
- Reference point (top of casing or ground surface)
- Start and stop depth
- Count time and depth increment
- Depth return error
- Data file references
- Pre and post verification results
- Any system adjustments (e.g. fine gain adjustments) made during the run
- Any pertinent comments or observations

Comments and observations related to the logging operation in general shall also be recorded.

3. Data Processing and Analysis

Each report shall include:

- Analysis date
- Analyst name
- Data analysis reference
- Reference to analytical procedures
- Summary of pre- and post-log verification results and comparison to verification criteria
- Discussion of any depth adjustments for each log run
- Discussion of any correction factors (casing, water, etc) applied to the data
- Identification of specific gamma energy lines used for identification and quantification.
- Estimates of accuracy, precision and minimum detection threshold for each radionuclide detected
- Analysis notes
- Log plot notes
- Log results and interpretations.

4. Log Results

Log result plots shall be concentration/activity versus depth, percent moisture content versus depth or counts per seconds versus depth. Required plots shall include:

For Spectral Gamma:

- Made-made radionuclide concentrations in pCi/g, (separate profiles for each radionuclide)
- Natural gamma concentrations in pCi/g, (separate profiles for each radionuclide)
- Combination plot of man-made radionuclide concentrations in pCi/g, natural gamma concentrations in pCi/g, Total Gamma in cps, moisture and dead time when appropriate.

For Neutron Moisture:

- Volumetric moisture content in percent for 6- and 8-inch diameter casings, and counts per second for other casings.
- Combination plot of volumetric moisture content in percent and total gamma with percent dead time.
- Shape factor analysis logs, when applicable.

Special Conditions

Special circumstances may require that FH request and receive preliminary data within two days after the completion of logging at certain borehole or drive casing locations. FH shall provide advance notice of such requests for rapid data turnover that may be necessary to make project decisions (i.e., placement of a boreholes, perched water, etc.).

5.0 EFFECTIVE DATE/AMENDMENT

This MOA is effective upon the date of execution through the completion or termination of Stoller's assigned scope of work, or until such time as other arrangements are negotiated and agreed to by the respective Parties. Any mutually agreed upon changes shall be incorporated and approved at the same signatory level as the original agreement.

6.0 DISPUTES AND PROBLEM RESOLUTION

In the event issues arise relative to the delivery of services provided or the quality of services provided, FH and Stoller shall work together to resolve the issues. In the event FH and Stoller are unable to resolve an issue, RL should be promptly notified to provide resolution.

7.0 PERFORMANCE OF WORK

Stoller and FH shall perform work in accordance with the provisions of their respective DOE prime contract, internal procedures and requirements, and quality assurance provisions, including safety and confidentiality of information and intellectual property safeguards. In addition, all such work shall be performed in compliance with applicable laws, orders, permits, rules, and regulations.

Stoller shall comply with all FH site/facility procedures applicable to work that Stoller performs. However, employee direction shall remain with Stoller, and not be delegated to the FH SPOC unless otherwise addressed in a Statement of Work.

FH requires prompt notification from Stoller when the Stoller workscope either described or referenced within this MOA is amended, revised or otherwise changed. Such changes may necessitate the need to revise this MOA.

Stoller is responsible for providing FH a list of proposed baseline project wells/boreholes that will be logged each fiscal year (FY) and a schedule of logging activities. The schedule shall be provided to FH by September 15th of each calendar year, and may be modified by FH with Stoller's concurrence for resource optimization and to minimize conflicts with groundwater monitoring program sampling (e.g. logging and sampling scheduled for same day at specified well) and maximize efficiencies for wells requiring preparation for logging (e.g. swabbing or pump removal). Any changes or modifications shall be provided to the FH SPOC. FH is responsible for providing Stoller a prioritized listing of new/existing boreholes requiring logging in support of the RI/FS activities for each FY, which shall be integrated into the Stoller schedule.

At the completion of the scope of work, Stoller shall be responsible for the prompt removal of all logging equipment at the site. FH shall manage waste and miscellaneous equipment remaining on site in accordance with approved waste control/management plans.

8.0 CORRESPONDANCE AND POINTS OF CONTACT

Fluor Hanford

Technical:

- Single Point of Contact – Scott Petersen, 372-9126, 438-4347
- Groundwater Field Operations – Brian Von Bargen, 373-4166, 430-1020
- Groundwater Director – Bruce Ford, 373-3809

Contractual:

For contractual questions, issues or modifications to this MOA, contact:

- Prime Contracts & Contract Compliance – Lori Hunter, 376-6986, or Alternate – Dan Raap, 373-7389

Stoller

- Point of Contact – Alan Pearson, 376-6440 or 531-1246
- Project Manager – Brian Mathis, 376-6465 or 430-7091

9.0 AGREEMENT

IN WITNESS THEREOF, the parties have agreed to and/or concurred with this MOA.

FLUOR HANFORD, INC.

GOV'T CONTRACTS APPROVED

Reviewed 12/1 Approved

Date: 12/13/05

By: Henry Hermanas
Director, Prime Contracts & Contract Compliance

S. M. STOLLER CORPORATION

Date: 12/05/05

By: Brian Mathis
Project Manager

APPROVED AS TO FORM AND SUBSTANCE

06-PRO-0113

Concurrence: Sally A. Sieracki

Date: 22 Dec 05

Sally Sieracki, DOE-RL
Contracting Officer