



Statement of Work (SOW)

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**Commercial Power to ITG Project Sites
Statement of Work
Advanced Mixed Waste Treatment
Project**

Idaho Treatment Group, LLC

Revision: 0

Date: 04/11/12

<p>1.</p>	<p><u>SCOPE</u></p> <p>1.1 Introduction</p> <p>The purpose of this SOW is to establish ownership, maintenance, and operational responsibilities between Idaho Treatment Group (ITG) and Battelle Energy Alliance BEA Power Management (PM) for equipment located at the Advanced Mixed Waste Treatment Project (AMWTP) facility. ITG is the operating contractor for Advance AMWTP. BEA is the operating contractor for Idaho National Laboratory. BEA PM operates and maintains the Idaho National Laboratory (INL) high voltage power system for the Department of Energy-Idaho.</p>
<p>2.</p>	<p><u>APPLICABLE CODES, PROCEDURES, AND REFERENCES</u></p> <ul style="list-style-type: none"> • 29 CFR 1910.269 (OSHA-Electrical Power Generation, Transmission, and Distribution) • National Electrical Safety Code (NESC) • DOE P 450.4 "Safety Management System Policy" • DOE O 414.1C "Quality Assurance" • DOE P 450.5 "Line Environment, Safety and Health Oversight" • DOE G 450.4-1 "Integrated Safety Management System Guide for use with Safety Management System Policies (DOE P 450.4, DOE P 450.5, and DOE P 450.6); The Functions, Responsibilities, and Authorities Manual; and the DOE Acquisition Regulation" <p>PM will perform work according to the applicable orders, procedures and references in their work control system.</p>
<p>3.</p>	<p><u>TECHNICAL REQUIREMENTS/TASKS</u></p> <p>ITG may request support from PM to perform maintenance, repairs, and/or operations on equipment >600V in the AMWTP area. All PM work shall be coordinated through AMWTP work control. PM will work to their work control, procedures, and safety requirements.</p> <p>The electrical power is to be provided to ITG as commercial power</p>
<p>4.</p>	<p><u>ENVIRONMENTAL, SAFETY, HEALTH, AND QUALITY ASSURANCE REQUIREMENTS</u></p> <p>4.1 Environmental</p> <p>PM planned work with potential environmental concerns to be performed in ITG areas will be submitted to ITG for review prior to work to ensure that environmental issues are properly addressed. ITG is responsible to screen PM's planned work for environmental issues.</p>

4.2 Safety and Health

PM and ITG shall comply with the safety and health regulation listed in OSHA 29 CFR 1910.269 and the National Electrical Safety Code (NESC).

4.3 Quality Assurance/Control

PM shall follow the QA requirements of BEA for all work to be done under this SOW on ITG facilities.

5. RESPONSIBILITIES

- 5.1 AMWTP is responsible for the load side of the 12.5kV/480V distribution transformers including the transformer itself located at AMWTP.
- 5.2 AMWTP is responsible for the load side of the 138kv distribution system at the disconnect switch DS-805-001 and the load side of the 108 kV lightning arrestors located at AMWTP.
- 5.3 PM is responsible for the line side of the 12.5kv/480kV distribution transformers, the line side of the 138kV distribution system at the disconnect switch DS-805-001, and the line side of the 108kV lightning arrestors located at the 138kV substation at AMWTP.
- 5.4 PM management maintains security (padlock control) of the 12.5kV distribution switch locations. PM maintains control of the locks securing the 12.5kV/480V distribution transformers. By maintaining control of these locks, specific access is maintained to allow only individuals authorized access to > 600V equipment.
- 5.5 AMWTP is responsible for all construction residue/waste generated from BEA work projects performed at AMWTP.
- 5.6 PM will perform operations, maintenance, and repairs of electrical systems >600V located at the AMWTP as requested by ITG, through invoice/charge number procurements on a time-and-materials (T&M). It is expected that these services will be available 24 hours per day, 7 days per week as personnel are available. AMWTP accepts responsibility for BEA costs incurred on equipment identified as AMWTP property. PM work performed with this SOW is to be invoiced to AMWTP on a T&M basis.
- 5.7 PM is responsible for scheduled system outages affecting AMWTP sites to ensure that they shall be performed with timely, with complete participation and approval of ITG. ITG is responsible to accommodate responsible requests by PM for outages to perform maintenance.
- 5.8 Accurate load information is needed from ITG to update the Annual Site and Area Forecast for DOE-ID. Annually on May 31st or when load information is known, ITG will provide anticipated load change information for AMWTP programs and projects to enable long-term planning for the annual report.
- 5.9 PM maintains some spare equipment, conductor, cables, poles, etc that may be available for use by ITG. ITG may request use of PM spare equipment or material. Any materials used will be replaced in a timely manner by ITG at no cost to PM.

6.	<p><u>REPORTS, DATA, AND OTHER DELIVERABLES</u></p> <p>Upon request PM shall provide the date, time and the duration of electrical power anomalies affecting ITG facilities from the previous quarter.</p>
7.	<p><u>SUBMITTALS</u></p> <p>The following monthly documents shall be provided to ITG 15 days after BEA has completed the calculated monthly INL bill.</p> <ul style="list-style-type: none"> • Monthly distribution of INL electrical costs of ITG areas showing coincidental demand (KW), demand charge, energy (MWH), energy charge, total demand and energy charge, facility and conservation charge, maintenance charge, total bill, and area high. <p>Note: Area high provided on an as requested basis.</p>
8.	<p><u>ACCEPTANCE</u></p> <p>None</p>
9.	<p><u>MANDATORY "SITE" RULES AND REGULATIONS</u></p> <p>Unescorted access requirements for PM to work within AMWTP non-rad areas includes 1) Facility Access Training; 2) read and sign the General Access AMOW, and 3) either an L or Q DOE clearance OR submit Security paperwork to AMWTP security for a basic background search. During normal operating hours, vehicle access is through the AMWTP access front gate. After hours or weekend access is through RWMC access locations.</p> <p>NOTE: The AMWTP training department can provide an electronic or hard-copy of a study guide for our facility access training. Testing to be performed at the AMWTP training department.</p> <p>All personnel entering the AMWTP fenced area must have an AMWTP site access badge or an AMWTP visitor badge. Personnel who possess DOE security badges must receive a visitor badge to maintain accountability within the AMWTP fenced area.</p> <p>PM personnel will not be allowed in areas beyond the required work area.</p> <p>ITG must convey job requirements and safety and facility specific requirements prior to development of PM's work package procedures. PM will work to PM's work control. ITG reserves the right to review PM's work packages prior to start of work. When working on ITG's systems or equipment, PM will work to PM's clearance procedures, OSHA 269 Regulations.</p> <p>All employees will be encouraged to express any safety concerns, share lessons learned, and any other information that may be useful in the performance of the day's activities. Lessons learned from construction activities will be discussed in pre-job briefings and implemented into the JHA.</p>

10.	<p><u>APPENDICES</u></p> <p>None</p>
11.	<p><u>ATTACHMENTS</u></p> <p>None.</p>



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