

**Exhibit C.4-1****Mandatory Site Services Provided by the INL Contactor****1.0 Mandatory Site Services**

The INL contractor will provide mandatory site services to the ICP contractor, on a cost-reimbursable basis, calculated based on contract takeover date of May 1, 2005 through January 31, 2007. Narrative descriptions, as shown below, are intended to describe the type and level of service to be received by the ICP contractor, but are not intended to define the total scope of the INL activity. The descriptions also include additional requirements applicable to the ICP contractor. Table 1 identifies the funding to be provided by the ICP contractor for the mandatory site services. If the contract takeover date is changed, the ICP-funded share will be adjusted accordingly. If either the ICP contractor or the INL contractor desires to change the type or level of service during the two-year period, the change shall be negotiated and mutually agreed between the two parties and approved by DOE. The contractors must negotiate service levels and funds transfer or payment practices for continuation of these services to be provided to the ICP contractor beyond January 31, 2007.

**Table 1**  
**ICP Share of Mandatory Site Services**  
**(\$ Millions)**

<b>Description</b>	<b>EM Funded Share for FY2005 (five months)</b>	<b>EM Funded Share for FY2006</b>	<b>EM Funded Share for FY2007 (Four months)</b>
<b>Emergency Management</b>	<b>\$798.7</b>	<b>\$1,949.3</b>	<b>\$659.4</b>
<b>Occupational Medical Program</b>	<b>790.9</b>	<b>1,930.1</b>	<b>652.8</b>
<b>Information Technology Infrastructure</b>	<b>1,297.5</b>	<b>3,166.6</b>	<b>1,071.1</b>
<b>On Site Monitoring Activities</b>	<b>71.7</b>	<b>174.9</b>	<b>59.2</b>
<b>Landfill and Waste Disposal</b>	<b>339.1</b>	<b>827.5</b>	<b>279.9</b>
<b>Power Management</b>	<b>1,251.8</b>	<b>3,055.0</b>	<b>1,033.4</b>
<b>Fire Department Operations</b>	<b>1,899.3</b>	<b>4,635.1</b>	<b>1,567.8</b>
<b>Life Safety Systems (Alarm Systems)</b>	<b>540.0</b>	<b>1,317.8</b>	<b>445.7</b>
<b>Bus Services</b>	<b>2,465.4</b>	<b>6,016.7</b>	<b>2,035.1</b>
<b>LDRD</b>	<b>5,374.6</b>	<b>13,116.5</b>	<b>4,436.7</b>
<b>Calibration Services</b>	<b>616.8</b>	<b>1,505.2</b>	<b>509.1</b>
<b>Electronic Data Management System</b>	<b>189.6</b>	<b>462.8</b>	<b>156.6</b>
<b>Total</b>	<b>\$15,635.3</b>	<b>\$38,157.5</b>	<b>\$12,906.8</b>

The mandatory site services to be provided by the INL contractor, along with the service interfaces with the INL contractor, are described below. There should be no assumption that services beyond what is stated will be provided.

### **1.1 Emergency Management**

The INL contractor will develop, implement, and maintain Memoranda of Understanding (MOUs) with off-site response entities, will coordinate meetings and training, and resolve issues with these entities.

The INL contractor will prepare the site Emergency Readiness Assurance Plan with input provided by the ICP contractor.

The INL contractor will maintain emergency equipment located in Emergency Control Centers (ECCs) and Command Posts within EM-owned facilities. This equipment includes: radios, white boards, pagers, video and recording equipment, telephones, fax and copy machines, computer networks, and emergency service vehicles.

The INL contractor will maintain the emergency management maps, with input from the ICP contractor.

The INL contractor will maintain a single point of contact (Warning Communication Center (WCC) at 208-526-1515) for emergency notification and will maintain the ICP contractor's emergency notification list in the WCC.

The INL contractor will manage the Emergency Operations Center (EOC) for all emergencies at EM-owned facilities. The ICP contractor shall provide representation to the EOC, when activated in support of an emergency related to the EM contractor.

The INL contractor will disseminate public protection information, received or developed in the EOC, to off-site entities. For EM emergencies, the ICP contractor shall review this information for applicable classification or other disclosure restrictions prior to release.

The INL contractor will:

- Design, develop, implement, and evaluate Emergency Response Organization (ERO) Initial and Requalification training.
- Update the INL Emergency Plans for EM-owned facilities including INTEC, TAN, RWMC, Fort St. Vrain Independent Spent Fuel Storage Installation, and the TMI-2 Independent Spent Fuel Storage Installation, based on input from the contractor.
- Design, develop, implement, and evaluate an emergency management drill and exercise program. Program services include: drill preparation, conduct, evaluation, reporting, and file maintenance.

- Allow ICP contractor personnel access to the Central Facilities Area during emergencies, drills, or exercises.
- Notify the ICP contractor at least one week in advance of planned drills or exercises that impact or may impact EM-owned facilities.
- Conduct at least one site-wide drill annually. The ICP contractor shall participate in the annual site-wide drill.
- Prepare or update hazard assessment documents for all EM-owned facilities, based on input from the ICP contractor.

The ICP contractor shall provide the appropriate information, data (certified if necessary), or resources to allow the INL contractor to maintain up to date emergency management plans and implementing procedures associated with EM-controlled facilities as required by DOE Directives.

### **1.2 Occupational Medical Program (OMP)**

The INL OMP will provide occupational medical services at no additional cost to the ICP contractor management in monitoring and protecting their employees from health hazards. The program also provides for on-site response to medical emergencies and treatment of on-the-job injuries and illnesses as well as medical evaluation concerning ability to work. The following activities and services are provided to the ICP contractor in accordance with DOE Order 440.1A and federal regulations:

- Diagnose and treat employees who experience illnesses or injuries while on the job.
- Assist management in the protection of employee health through worksite visits and interaction with safety and health professionals.
- Assist management with employee placement in conformance with the Americans with Disability Act.
- Provide medical opinion to management and employees regarding the ability to perform assigned work.
- Perform medical surveillance for employees exposed to hazardous chemical and physical agents (above action levels or as required by law) or substances such as radiation.
- Provide medical certifications for jobs requiring certifications.
- Respond to medical emergencies, 24 hours/day, seven days/week.
- Provide required health services, such as monitoring individual employee health, mental health counseling, and employee assistance program.

- Maintain required medical records and establish a demographic/medical database.
- Provide medical/technical review of projects by collecting and analyzing group health data as requested by the contractor.
- Provide medical advice, when requested by the contractor, related to workman's compensation cases and employee return-to-work recommendations.
- Provide termination physical examinations as required by DOE directives or federal regulations.

### **1.3 Information Technology (IT) Infrastructure**

#### **Telephone Service**

The INL contractor will provide basic telephone infrastructure service including maintenance during normal work hours, up to the wall jack, and dial tone. Minor moves, disconnects, and new connects are covered in existing facilities. Life Safety alarm circuits in existence at the time of turnover will continue to be provided and maintained. All repairs to telecom systems are included as well as voice mail and telephone directory service and long distance charges. Handsets will be turned over to the contractor and will be repaired as needed.

#### **Network Access**

The INL contractor will provide and maintain basic data service to the existing data jacks within the protected network based on the number and location of connections in service at the time of turnover. Costs associated with minor moves and relocations within existing EM facilities are covered.

The ICP contractor shall comply with the INL Cyber Security requirements. The INL contractor will provide firewall operation, intrusion detection, antivirus management and all associated engineering. The basic level of service is ten (10) MBIT for data services. All ICP contractor equipment connected to the protected Intranet shall meet INL computer architecture requirements to ensure continued network integrity.

#### **Computer Operations**

The INL contractor will provide logical "de-militarized zone" (DMZ) space. The ICP contractor shall follow cyber security rules and processes for systems residing in the DMZ. The ICP contractor shall self-supply network servers or negotiate for services from the INL contractor. The ICP contractor shall self-supply business management, e-mail, and work control systems, as desired.

## **Wireless Services**

The INL contractor will service all mountain top equipment. This service will include associated power and engineering costs, frequency and external interface costs. The ICP contractor shall pay separately for new hand-held radios, repairs, reprogramming and replacement. The INL contractor will provide paging services for the existing number of pagers at the time of transfer.

**Chief Information Officer/Chief Technical Officer (CIO/CTO)** – The INL contractor and DOE Idaho will provide site-wide strategic and tactical planning, including frequency management. The ICP contractor shall self-supply IT help desk services, if desired.

### **1.4 On Site Monitoring Activities**

The INL contractor will manage the costs in support of the direct-funded activities for ground water monitoring conducted under the INEEL Site Wide Ground Water Monitoring Plan, which resides with the U.S. Geological Survey (USGS) and NOAA who operates and maintains a network of 33 meteorological stations on and around the INEEL.

### **1.5 Landfill and Waste Disposal**

The INL contractor will provide landfill and waste disposal services for municipal, construction, and non-contaminated demolition wastes (including asbestos and petroleum contaminated material). Dumpsters are located throughout the site and are emptied on a weekly basis. More frequent service or additional waste receptacles may be available upon request. Hours of operation for the landfill and waste disposal service are Monday through Thursday from 7:30 AM – 4:00 PM.

Volumes are tracked by amount and waste type. The ICP contractor will be allowed to dispose of 23,554 cubic yards of waste on an annual basis for the price listed in Table 1. Volumes for partial years will be prorated. Additional disposal above the baseline annual volume will be charged at \$35 per cubic yard.

Note: No hazardous or radioactive waste may be disposed of in the landfill. In the event waste is disposed of that does not meet the waste types allowed, it will be removed and all associated removal costs will be the responsibility of the contractor that generated the waste.

### **1.6 Power Management**

The INL contractor will provide electrical transmission and distribution systems, buildings, structures, and services, including such things as maintenance, repairs, weed control, upgrades, and power distribution and control, up to the load side of the individual site area substations, as specified in this section.

The ICP contractor shall provide electrical transmission and distribution services, including such things as maintenance, repairs, upgrades, and power distribution and control as specified below:

- INTEC – The ICP contractor is responsible for all substation and distribution equipment to the load side of the substation feeder breakers B53, B56, B58, B59, B514, and B515 substation transformers 8T2-1 and 8T2-2 located at buildings B21-620 Substation yard STR716.
- TAN – The ICP contractor is responsible for all substation and distribution equipment to the secondary side of the distribution transformers, substation transformers 8T5-1 and 8T5-2 located at building 605, substation yard STR708. For the remainder of the electrical distribution system supporting all other areas in the vicinity of the TAN complex, the ICP contractor is responsible for the EM owned facilities and structures and the electrical feed from the transformer to those facilities and structures.
- RWMC – The ICP contractor is responsible for all lines and distribution equipment to the secondary side of the distribution transformers within the RWMC boundaries. The INL contractor is responsible for the 138 KV radial line up to the AMWTP substation and the 12.5 KV line (Circuit 42) up to the RWMC boundary.
- PBF – The ICP contractor is responsible for the load side of circuit 54/57, breaker B54/57. For all other areas within the Special Power Excursion Reactor Test (SPERT) complex with ownership of buildings and structures by EM and NE, the ICP contractor is responsible for the EM owned facilities and the electrical feed from the transformer to those facilities. The ICP and INL contractors shall coordinate activities in these common areas to avoid any work interruptions.

The ICP contractor shall pay for power consumption and demand charges at rates specified by and negotiated with the INL contractor. Power consumption costs are not included in the Power Management funding shown in Table 1. This funding covers only Power Management maintenance and administrative costs for the five-month period from May 1 through September 30, 2005.

Historical electric utility costs for the areas listed below are based on actual power bills and reflect power consumption charges, on an annual basis, for FY2002 and 2003.

INTEC	\$1,827,000
TRA	\$1,286,000 (includes ETR and MTR; excludes ATR)
TAN	\$244,000 (excludes SMC)
PBF	\$72,000
RWMC	\$227,000
AMWTP	\$189,000

### **1.7 Fire Department Operations**

The ICP contractor is responsible for all emergencies within its facilities and boundaries as described elsewhere, regardless of the services provided by the INL Fire Department discussed in this section.

- The INL Fire Department will provide the contractor a full range of emergency mitigative services that include fire, emergency medical, rescue, and hazardous material response 24 hours per day, 365 days per year. The INL Fire Department maintains critical minimum staffing providing four engine companies located at Central Facilities Area (CFA), Test Area North (TAN), and Argonne National Laboratory-West (ANL-W) fire stations. Each engine company has five personnel who are qualified to National Fire Protection Association (NFPA) standards for firefighting (structural and wild land) and rescue, State of Idaho Emergency Medical Technician (EMT) certifications, Advanced Emergency Medical Technician certification, Radiation Worker II qualifications, and State of Idaho Hazardous Materials Technician certification.
- The INL Fire Department will provide emergency response services. The ICP contractor shall provide post-emergency cleanup within EM-owned facilities. During emergency responses, the INL Fire Department will be the On-Scene Incident Command in charge of the scene.
- The INL Fire Department, in cooperation with the ICP contractor, will develop and maintain (to include periodic walk-downs) pre-incident plans for EM-owned facilities.
- The INL Fire Department will support drills and exercises conducted at EM-owned facilities.
- INL will provide all Proprietary Supervising Station monitoring services as required by NFPA 72 for all EM-owned facility fire alarm systems. INL will monitor the Emergency 777 phone line and provide emergency dispatching services and support for inspection, testing, and maintenance for EM-owned emergency notification and fire alarm systems.

### **1.8 Life Safety Systems**

The INL contractor will test, inspect, repair, and maintain configuration control of fire alarm systems for all EM-owned facilities. The INL contractor will provide spare parts for currently installed fire alarm systems.

The INL contractor will inspect, test, and maintain water-based suppression systems inside EM-owned buildings.

### **1.9 Bus Services**

The INL contractor will provide continuous and safe commuting services and associated operations in accordance with applicable laws and regulations. Associated operations include taxi, shuttle service, tours, designated mail services, and emergency evacuation services to support site contracts and programs. Bus services presently include some 24 hours per day, seven days per week operations.

### **1.10 Laboratory Directed Research and Development (LDRD)**

This activity encompasses research and development pursued by the laboratory under the direction of the INL Laboratory Director, in accordance with the site Institutional Plan and DOE LDRD directive requirements. The ICP contractor shall submit to the INL Laboratory Director information, in accordance with the requirements specified in DOE Order 413.2A, *Laboratory Directed Research and Development*, on proposed EM cleanup-mission related R&D needs to be evaluated by the INL contractor. The INL contractor will factor viable ICP-contractor proposed needs into the annual LDRD program plan and the site Institutional Plan.

### **1.11 Calibration Services**

#### **Standards and Calibration Quality Assurance Management**

The INL contractor will provide management, metrology engineering services, technical services, and administrative services for the Measuring and Test Equipment/Equipment Pool. Calibration is traceable to U.S. legal units of measure. The scope of this service is defined in the FY2004 BBWI work planning under WBS C.5.03.01.26.01.03.

#### **Standards and Calibration Laboratory and Health Physics Instrument Laboratory**

The INL contractor will provide calibration, measuring and test equipment that is traceable to U.S. legal units of measure. The scope of this service is defined in the FY2004 BBWI work planning under WBS C.5.05.01.13.01.01 (Standards and Calibration Laboratory) and WBS C.5.05.01.13.01.02 (Health Physics Instrument Laboratory).

### **1.12 Electronic Data Management System**

The INL contractor will provide and administer Electronic Document and Records Management services. The INL contractor will also provide tools for external access to document and record information.

## **2.0 Other Mandatory Site Services Provided by the INL Contractor**

In addition to the mandatory site services specified above, the INL Contractor will provide site general infrastructure support and safeguards and security services to the ICP contractor as follows:

### **2.1 General Infrastructure Support**

General Infrastructure Support is a direct funded activity and will be provided by the INL contractor to the ICP contractor at no cost over the entire base contract period of performance. The INL contractor will maintain site roads, including snow removal, weed control, lighting, and sign maintenance up to the main gate of the EM-owned site areas and facilities including the parking lot outside of the main gate entrance at the Idaho Nuclear Technology and Engineering

Center (INTEC), Radioactive Waste Management Complex (RWMC), and Test Area North (TAN) facility areas.

The INL contractor will maintain and inspect the existing railroad system up to the EM facility perimeter fence or area boundary. The ICP contractor shall maintain roads and railroads within its facility areas, and will fund any upgrades required outside of its facility area, if those upgrades are needed solely to support the EM mission. The INL contractor will maintain other site grounds that are outside of the EM facility areas and outlying EM facilities and structures.

The INL contractor will maintain the site seismic monitoring network. The ICP and INL contractors are responsible for their own infrastructure support beyond that defined in this section.

## **2.2 Support Services for Safeguards and Security**

The INL Contractor will coordinate the maintenance of a Site Safeguards and Security Plan, with input from the ICP contractor and other site tenants. The INL contractor will coordinate safeguards and security drills and exercises with the ICP contractor and other site tenants. The INL contractor will provide for the issuance of photographic identification passes (badges) for all site-affiliated personnel. The INL contractor will provide protective forces for all site areas. The INL Laboratory Director will administer foreign visits and assignments.

Costs for repairs to the security systems and components located within the security buildings will be borne by the INL contractor via direct funding through the Safeguards and Security Program. However, costs for repairs or upgrades to security systems and components that feed into the site-wide Central Alarm Station at INTEC (CPP-1674) shall be borne by the respective user organization i.e., EM, NE, or OCRWM. The INL contractor will provide, at no additional cost to the ICP contractor, inspection and testing services for all required safeguards and security-related systems and components at the INL.

The level of security force/support provided to the ICP contractor is baselined to that level in place in FY2004. That level of service will be provided at no cost to the ICP contractor over the entire base period of the ICP contract. The ICP contractor shall assist in securing funding for any level of security service requested for EM operations that is above the FY2004 baseline.