

SECTION C
PERFORMANCE WORK STATEMENT (PWS)
FOR THE
ENVIRONMENTAL MONITORING AND D&D ACTIVITIES FOR THE
FORMER
ENERGY TECHNOLOGY ENGINEERING CENTER (ETEC)

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FOR THE
ENVIRONMENTAL MONITORING AND D&D ACTIVITIES FOR THE FORMER
ENERGY TECHNOLOGY ENGINEERING CENTER (ETEC)

INTRODUCTION

This is a performance based Task Order subject to the objectives, measures and expectations contained in this PWS. In support of the closure of the U.S. Department of Energy (DOE) Energy Technology Engineering Center (ETEC), this requirement is for environmental monitoring and the associated surveillance and maintenance (S&M) and project support activities to safely and economically maintain and monitor the ETEC site. This scope also includes options to prepare decontamination and demolition (D&D) work plans, process work plan approval through the DOE and the California Department of Toxic Substances Control (DTSC), and complete D&D effort for each facility project.

GENERAL

The Contractor shall provide all personnel, equipment, supplies, facilities, transportation, tools, materials, supervision, and other items and non-personal services necessary to perform the work as defined in this PWS except for those items specified as Government Furnished Property (GFP) and services. The Contractor shall perform to the standards in this Task Order.

PWS performance expectations include the following:

1. The Contractor shall provide 100% of all services and deliverables identified in this PWS in a timely, complete, effective and efficient manner.
2. The Contractor shall demonstrate commitment to quality in preparation of all deliverables required by the Task Order.
3. The Contractor shall adhere to and follow all applicable statutes, regulations, and DOE Orders which pertain to the activities outlined in the PWS.
4. The Contractor shall ensure that personnel assigned to the Task Order have the skills required to perform the PWS requirements.
5. Contractor personnel shall conduct themselves with professionalism expected in a Government office environment in accordance with applicable DOE and federal regulations.

The Contractor's performance will be measured for completeness, quality of work, timeliness and accuracy. Unacceptable work as designated by the Designated Contracting Officer (DCO) must be corrected by the Contractor at no additional cost to

DOE. Poor performance may result in the DOE not exercising an option under this Task Order.

BACKGROUND

The required scope of work centers on Area IV of the Santa Susana Field Laboratory (SSFL). The SSFL, located atop a range of hills between the Simi and San Fernando Valleys, north of Los Angeles in Ventura County, California, was developed as a remote site to test rocket engines and conduct nuclear research. The majority of the SSFL is owned and operated by The Boeing Company. The SSFL is divided into four administrative areas—Area I, Area II, Area III and Area IV. A 42 acre portion of Area I and all of Area II (404 acres) are owned by the Federal Government administered by the National Aeronautics and Space Administration (NASA) and operated by The Boeing Company. Areas I and III are operated and mostly owned by The Boeing Company. Areas I and III total 785 acres. The Boeing Company also owns a contiguous buffer zone of 1,143 acres to the south and a contiguous buffer zone of 182 acres to the north. The Northern Buffer Zone (NBZ) is considered the 182 acres to the north. The westernmost 290 acres of the site, known as Area IV, are owned and operated by The Boeing Company for DOE. Area IV was used primarily for research and component testing in nuclear, liquid metal and conventional development. Ninety acres of Area IV, known as ETEC, were used by DOE for liquid metal and nuclear research. Although ETEC was only a small portion of Area IV, DOE is responsible for the environmental cleanup of all of Area IV and the NBZ. ETEC presently includes DOE-owned buildings (Appendix 3) which house surplus test apparatus once used for large scale heat transfer and fluid mechanics experiments, mechanical and chemical test facilities, former radiological facilities, waste management facilities, former office buildings, and auxiliary support facilities. ETEC is surplus to the DOE's current mission and is undergoing closure. The site had numerous facilities, including some where chemical and radioactive substances were used. Contamination may exist in structures and the physical media including soils, surface and groundwater.

Currently the majority of the buildings and facilities are unused and in a safe shutdown condition. There are two Resource Conservation and Recovery Act (RCRA) permitted facilities: the Radioactive Materials Handling Facility (RMHF) and Hazardous Waste Management Facility (HWMF). The RMHF is currently used intermittently to process and package for transport low-level radioactive waste water that occasionally collects in Building 4024 underground vaults during periods of heavy rain. The HWMF is currently in a safe shutdown condition. See Appendix 3 for further details on each facility's current conditions.

In March 2003, DOE issued a Finding of No Significant Impact (FONSI) after preparing an Environmental Assessment (EA) for the cleanup and closure of ETEC. This decision was challenged in federal court by the Natural Resources Defense Council, the Committee to Bridge the Gap, and the City of Los Angeles.

On May 2, 2007, the U.S. District Court for the Northern District of California held that DOE must prepare an Environmental Impact Statement (EIS) for Area IV, and DOE was enjoined from "transferring ownership or possession, or otherwise relinquishing control over any portion

of Area IV” until DOE completed the EIS and issued a Record of Decision (ROD), pursuant to the National Environmental Policy Act (NEPA). Completion of the EIS and Record of Decision are DOE functions and the Contractor will NOT assume responsibility for these functions.

In August 2007, the California DTSC entered into a Consent Order with DOE, NASA, and Boeing under its RCRA authority. This Order (a) requires remediation of chemically contaminated soils at SSFL by 2017 or earlier and requires a cleanup remedy for groundwater to be in place by 2017 or earlier; (b) provides the option for DTSC to require more work to be conducted offsite from Area IV to assess air, soil and water contamination; and (c) requires the preparation of an Environmental Impact Report (EIR), pursuant to the California Environmental Quality Act (CEQA). In conjunction with this, DTSC requested that DOE cease all decontamination and decommissioning work until the EIS was completed. The DTSC then entered into an Administrative Order on Consent (AOC) in December 2010 that further defined and made more specific DOE’s obligations with respect to soils at the site. This AOC requires the cleanup of soils by 2017. Both Orders provide the option for DTSC to require more work to be conducted offsite from Area IV to assess air, soil and water contamination, and require the preparation of an EIR, pursuant to CEQA.

A considerable volume of information can be located on the DOE ETEC public website at <http://etec.energy.gov> and the DTSC website at http://www.dtsc.ca.gov/SiteCleanup/Santa_Susana_Field_Lab/index.cfm.

Appendix 12 contains an ETEC interface matrix.

SCOPE

Under the guidance and technical direction of the DCO and/or the Designated Contracting Officer’s Representative (DCOR), and in consideration of performance expectations stated above, the Contractor shall complete the scope of work for the major program components that encompass the DOE Environmental Management (EM) operations at the ETEC site. These program components are: S&M activities, facility maintenance and infrastructure support, environmental monitoring, and project support activities. Additionally, should a D&D option be exercised, the Contractor shall prepare D&D work plans, process work plan approval through the DOE and California DTSC, and complete D&D effort for each facility project. Removal and remediation of contaminated soil is not included in this PWS. The work site for this Task Order consists of Area IV and well sampling within the NBZ. The Contractor shall maintain a staff presence 40 hours a week during regular business hours Monday through Friday. The site will be closed for a holiday break nominally between Christmas and New Year’s in accordance with the Boeing schedule; the Contractor will not have access to the site and is not required to be present on the site during the holiday break.

C.1 TRANSITION AND SITE ACCESS

C.1.1. TRANSITION ACTIVITIES (CLIN 00001)

To minimize any decreases in productivity and to prevent possible negative impacts on services, the Contractor shall have all necessary personnel, including key personnel for the Task Order, available during the transition period. During the transition period, the Contractor shall become familiar with performance requirements in order to commence full performance of services within 90 days from the Notice to Proceed (NTP).

1. The Contractor shall prepare a Phase-In Transition Plan to cover the transition period from Task Order NTP date to the Task Order effective date. The Phase-In Transition Plan shall be submitted in accordance with this PWS and Section J, Attachment B “Task Order Deliverables/Submittals”. The Phase-In Transition Plan shall provide sufficient detail for all transition activities, including but not limited to: a description of all necessary transition activities, a schedule for orderly assumption of Task Order responsibilities, coverage of key functional areas during the transition period, the planned strategy for developing required documents (including permits), a brief description of all involved organizations, required utilities and other transition activities such as acquisition of necessary equipment, hiring and training of personnel, and development of required plans and procedures.

The Contractor shall provide a written weekly status of transition activities to DOE. The Contractor shall establish routine weekly status meetings with DOE and other organizations and contractors to review transition activities and issues. The frequency of the meetings should increase as the end of Task Order transition period approaches. The Contractor shall coordinate directly with Boeing, DOE, and other organizations and contractors to finalize any transition agreements required to assume full responsibility.

The Contractor shall conduct a joint reconciliation of the Government property inventory, including Government records and equipment, with the incumbent contractor(s) and DOE. This information shall be used to provide a property and records baseline for this Task Order.

The Contractor shall develop and maintain its plans, procedures, programs, etc. for DOE approval in accordance with this PWS and Section J, Attachment B “Task Order Deliverables/Submittals”.

2. Facility Walkdown and Responsibility Transfer:

Throughout the transition period, the Contractor shall perform all activities to support transfer of facilities, including, but not limited to: facility walkdowns to verify current facility conditions (these walkdowns will be performed in conjunction with Boeing and DOE), updating programmatic and operational documents and procedures, and verifying to DOE that facility conditions are current prior to the facility transfer date.

The Boeing Facility Transfer Checklist, provided as Appendix 9 to this PWS, shall serve as the basis by which to document the safety and regulatory status of the facilities. Any safety and health or environmental non-compliance issues identified after facility turnover are the responsibility of the Contractor. All facilities, buildings, structures, roadways, etc. (listed in Appendix 3 to this PWS) for which responsibility will be transferred to the Contractor from Boeing shall be walked down.

During the facility walkdown and responsibility transfer period and upon review of the Boeing Facility Transfer Checklist, the Contractor shall identify any material differences in the systems, facilities, fixtures, government furnished property and/or actual conditions prior to the end of the transition period. The property shall be checked against existing inventory records to verify if property has been transferred to other users, sold as surplus, or scrapped.

3. On-site Contractor Work Space: The Contractor shall provide an on-site office trailer for on-site staff within Area IV; DOE will provide the specific location where electric connections are accessible during transition. In addition to providing its own office space, the Contractor shall also be responsible for providing any Information Technology items, furniture, equipment, supplies, etc. necessary to perform the work. Water and sewer are not available at the site; the Contractor shall be responsible for establishing portable restrooms, potable water, internet, trash removal, and Federal Communication Commission (FCC) license for radios.
4. The Contractor may adopt the incumbent contractor's programs and procedures provided the Contractor has formally reviewed and revised (if necessary) the programs and procedures to ensure compliance with Task Order requirements, current regulatory requirements, DOE Orders and directives, and the Contractor's organizational roles and responsibilities.

C.1.2. SITE ACCESS REQUIREMENTS (CLINs 00004 and 00007)

The Contractor shall comply with the DOE and Landowner Access Agreement as prescribed in Appendix 1. All activities conducted by the Contractor shall be in accordance with established SSFL site security procedures.

The Contractor shall have non-exclusive access to the following Access Areas within the Boeing Property to perform the Permitted Activities: Area IV, the northern undeveloped land, primary paved roads to Area IV, and drainages originating in Area IV and leading into Area III, as those areas are identified on Exhibit A ("Map of the Property") of the Landowner Access Agreement.

The Access Areas will be available during regular Boeing business hours (6:00 a.m. to 5:30 p.m., Monday through Friday).

Work to be performed outside of Boeing regular business hours, including overtime, weekend, and holiday work ("Off Hours Access") must be confirmed by the Boeing Project Manager prior

to scheduling such work to ensure that a Boeing representative and/or security personnel can be onsite.

Access to the SSFL is controlled through one gate with Boeing security presence. The Contractor shall enter and exit from the SSFL Main Gate at the beginning and end of the work day. However, other roads and site gates that lead to/from site may be used on a periodic basis, with advance notice to DOE and to the Boeing Project Manager.

Site Badging: In accordance with the DOE and Landowner Access Agreement, the Contractor shall be responsible for initiating communication and coordinating with the appropriate Boeing point of contact to obtain site access badges.

Any DOE Parties who have a Boeing Non-Employee Badge (“Badge”) will have access to and within the Access Areas without needing a Boeing escort, provided such persons have completed the site Safety Orientation Briefing.

C.2 ENVIRONMENTAL MONITORING

C.2.1. General Environmental Monitoring Activities

The Contractor shall provide an environmental monitoring program to continue all environmental monitoring underway within Area IV, including but not limited to:

C.2.1.1 General Environmental Monitoring Activities Other Than Building 4024 (CLINs 00004 and 00007)

1. Quarterly radiation and contamination surveys at the RMHF.
2. Former Sodium Disposal Facility (FSDF) Site weekly inspection of the engineered barrier installed to prevent rainwater intrusion and prevent potential re-contamination of previously remediated soil at the FSDF site. If the engineered barrier has been compromised upon inspection and water intrusion is occurring, the Contractor shall notify DOE. After DOE approval, the Contractor shall repair/modify the engineered barrier.
3. Quarterly radiation level monitoring as required by DOE Order 458.1 Radiation Protection of the Public and the Environment, for Area IV for RMHF. The required radiation detection location of air sampling units can be found in the 2012 Site Environmental Report. DOE Operations at The Boeing Company, Santa Susana Field Laboratory, Area IV, September 2013, Section 5.2.1 Ambient Air.
4. Preparing the Annual Site Environmental Report (ASER) as required by DOE O 231.1B, Environmental, Safety and Health Reporting.
5. Perform air filter screening for development of the annual National Emissions Standards for Hazardous Air Pollutants (NESHAP) report and reporting in the ASER.
6. Air Monitoring: A radiological air monitoring program shall be developed and maintained in Area IV of SSFL. The radiological program shall include ambient air sampling performed continuously as follows: (1) weekly sampling cycle for two

locations, the 4020 and the RMHF facility next to 4034; and (2) quarterly dosimeter sampling cycle for nine other locations documented in Table 5-1 of Section 5.2 “Environmental Sampling” of the 2012 Site Environmental Report, DOE Operations at The Boeing Company, Santa Susana Field Laboratory, Area IV, September 2013. Results of this radiological air monitoring program shall be reported in the ASER. Additionally the Contractor shall perform monitoring of airborne particulate radioactivity through collection of filters that shall be changed weekly. The samples shall be analyzed for gross alpha and beta activity. In addition, on-site and off-site ambient radiation dosimeters shall be monitored quarterly. Results of this monitoring shall also be reported in the ASER.

C.2.1.2 Groundwater Management at Building 4024 (CLINs 00002 and 00005)

The Contractor shall perform groundwater management and monitoring at Building 4024 (Building 4024 contains below grade vaults subject to periodic in-flow of water potentially low levels of radioactivity). The Contractor shall assume operational responsibility of Building 4024, and the associated scope for the building. Frequency of inspections is dependent upon the weather. The Contractor shall perform periodic pumping by an appropriately trained worker with personal dosimetry. Currently this averages a minimum of one day per week in dry months (April thru October) and two days per week in wet months (November thru March). Should the Contractor find water in the basement of Building 4024, the water shall be pumped and then stored in an existing Baker tank on the top floor of the facility. The Contractor shall take a water sample consistent with the requirements of the Site-wide Water Quality Sampling and Analysis Plan (WQSAP), before off-site disposal. The Contractor shall perform the gamma spectroscopy analysis, interpretation, reporting of results, and release of the water for off-site disposal. The Contractor shall use an off-site laboratory for this analysis. Based on the results of the water sample, the Contractor shall disposition the water to an appropriate off-site permitted facility that receives and treats the processed water. Currently the water is sent to Southwest Processing in Vernon, CA for processing. Historically, approximately 10,000 gallons on average are shipped every six months, but in some high rain years as much as 120,000 gallons in a year have been shipped.

C.2.2. Groundwater Monitoring Activities (CLINs 00003 and 00006)

1. The Contractor shall become familiar with the WQSAP, which is consistent with the August 2007 Consent Order with the State of California (Appendix 7). The WQSAP provides the fundamental understanding of the approach of the groundwater monitoring program requirements and methodologies of what DOE and DTSC have agreed upon. The Contractor shall be familiar with the WQSAP to understand the groundwater program elements from an awareness perspective. The WQSAP is identified within this PWS as Appendix 2 and can be found at: http://www.dtsc-ssfl.com/files/lib_rcra_groundwater/sitewidesap/saps/64788_2010-1202-M489_Site-Wide_WQSAP-F.pdf.

2. The Contractor shall consider the groundwater requirements from this PWS as the basis to meet DOE's commitments regarding the number of wells to be sampled, which wells will be sampled, and frequency of sampling events. The Contractor shall provide environmental monitoring activities for groundwater in compliance with applicable DOE Orders and all other applicable federal, state and local regulations and requirements, including the RCRA corrective action process with DTSC as the lead agency for Area IV and the NBZ.
3. The Contractor shall perform 40 sampling events for groundwater quality parameters annually. Wells shall be sampled according to the parameters listed in Table V of the WQSAP, and consistent with the parameters listed in the ETEC annual groundwater reports. Every groundwater sample collected shall be analyzed for gross alpha and beta activity. Quarterly water level measurements shall be taken for each well sampled for groundwater quality parameters. The wells for which the 40 sampling events are performed shall be drawn from the operable wells appearing within the DOE Well Conditions Summary (see Appendix 4 to this PWS). The specific wells to be sampled will be determined by DOE annually at the end of each fiscal year and will be provided to the Contractor for implementation.
4. A list of analytes and analytical methods for each well sampled may be found in the WQSAP. The Contractor shall also reference the DOE Well Conditions Summary (MS Excel spreadsheet) included with this PWS as Appendix 4.
5. The Contractor shall provide the necessary groundwater sampling supplies (generators, non-dedicated sample pumps, etc.). All groundwater locations can be accessed with a standard 4-wheel drive vehicle. The Contractor shall ensure that a California certified laboratory performs the analyses required for groundwater monitoring.
6. The Contractor shall maintain the structural integrity and operability of the DOE groundwater wells within Area IV and the Northern Buffer Zone appearing in Appendix 4. Well maintenance includes, but is not limited to: repairing and replacing pumps; replacing broken concrete pads surrounding the wells; repairing, replacing, and/or extending the outer protective steel casings; repairing, replacing, and installing vehicle guard posts around the wells; repairing and replacing casing covers, lock hasps, and hinges on outer protective casings; drilling weep holes in the outer protective casing; and painting the outside of the outer protective casings, as required.
7. The Contractor shall deliver quarterly water level monitoring data (in the form of a letter submittal) which will subsequently be delivered to the regulators. The Contractor shall also deliver an annual compilation and discussion of groundwater monitoring data which shall constitute the DOE portion of the groundwater annual report that will subsequently be submitted to DTSC. It is envisioned that

DOE/NASA/Boeing will all have input into one compiled groundwater annual report that will be submitted to the regulators. The Contractor shall compile the quarterly water level monitoring data with the annual compilation and discussion of groundwater monitoring data, and provide the information as input into the DOE required ASER. The Contractor shall incorporate the groundwater monitoring data from the various groundwater monitoring reports, and provide the data as input to the groundwater Remedial Investigation (RI) Report and the Corrective Measure Report (CMR) that will be submitted to the DTSC in 2015. The RI and CMR reports are required by all three parties (DOE, NASA, & Boeing). The RI and CMR reports will be submitted to the DTSC per the 2007 Consent Order, through a compilation of each party's separate investigations. The Contractor will not be required to complete the groundwater annual report, the RI, or the CMR.

C.3 SURVEILLANCE AND MAINTENANCE ACTIVITIES

The Contractor shall provide S&M of the ETEC site in accordance with applicable laws, regulations and DOE directives. The Contractor shall provide site management functions that include routine S&M, site-wide safety, and ETEC site infrastructure support.

C.3.1. S&M Inspection Requirements (CLINs 00004 and 00007)

The remaining facilities at ETEC are described in Appendix 3. The Contractor shall conduct building facility inspections for all facilities identified in Appendix 3 as follows:

1. Safety assessments shall be performed quarterly consistent with the ETEC Integrated Safety Management System (ISMS) Plan.
2. Bi-weekly inspections of the two RCRA permitted facilities (HWMF and RMHF) per the RCRA Part A permit requirements and HWMF Closure Plan.
3. Routine and regular visual inspections of all DOE-owned facilities in Appendix 3, including inspections of fire extinguishers, and fluid and gas piping and tank systems for leaks.
4. S&M Inspections shall be documented and provided to the DCOR as requested.

C.3.2. Facility Maintenance and Infrastructure Support (CLINs 00004 and 00007)

The Contractor shall provide maintenance of all remaining DOE-owned facilities (as identified in Appendix 3), including the provision of utilities and infrastructure support as follows:

1. The Contractor shall establish a local utility account, include metering, to provide electrical service for Contractor activities.
2. Maintenance activities consisting of repairs, if necessary, for safety, facility security and protection of government property. Maintenance activities may include: minor roof repairs, minor repairs to fire extinguishers, maintaining electrical power, asphalt, windows, gutters, doors, pest control and nuisance wildlife removal.
3. The Contractor shall ensure that all buildings remain in a safe shutdown mode and that

- all buildings are maintained in a safe and stable configuration.
4. Necessary road maintenance as related to the performance of this PWS. Maintenance activities are limited to minor pothole/patch repairs, tarring of cracks and weed removal within the RMHF footprint.

C.4 NON-D&D WASTE MANAGEMENT ACTIVITIES (CLINs 00004 and 00007)

The Contractor shall establish a program for the compliant management of all waste generated from non-D&D activities, in a manner compliant with the 2010 AOC (Appendix 8). Waste minimization and pollution prevention activities at the site shall also be included. The Contractor's program shall be documented in a Waste Management Plan to be submitted for DOE approval. No less than 120 days prior to shipment of any non-D&D waste, the Contractor shall provide a waste profile consistent with the waste acceptance criteria of the waste disposal facility. The Contractor may adopt the existing programs for non-D&D waste management.

1. The Contractor shall provide all waste handling at the RCRA permitted facilities including: storage, treatment, packaging, transportation, and off-site disposal of all waste types.
2. The Contractor shall be responsible for all waste management activities, including proper characterization of waste relative to physical, chemical and radiological characteristics. The Contractor shall identify and coordinate with disposal sites to ensure waste disposal is in accordance with applicable requirements and meets the waste acceptance criteria of the waste receiving facility and shall notify DOE ten workdays prior to any shipments. The Contractor shall also be responsible for payment of waste transportation and disposal site fees.
3. The Contractor shall ensure a proper mechanism is in place to identify and locate all placarded shipments of waste, and certain other shipments within 2 hours.
4. The Contractor shall ensure all vehicles are road worthy, drivers properly trained, and that only U.S. citizens are brought on site at ETEC regardless of whether the waste shipment is placarded.
5. The Contractor shall use the USEPA Hazardous Waste Generator Identification Number for the ETEC Project identifying DOE as the owner of the waste for any document where such a number is required. Where the signature of the generator or shipper is required certifying that the waste has been properly characterized or packaged, the Contractor is to ensure a properly trained, experienced, and appointed person signs on behalf of the DOE. A copy of the Contractor appointing letter and qualifications of the individual shall be provided to the DCOR.
6. The Contractor shall implement a waste minimization and pollution prevention program consistent with the applicable Executive Orders and DOE Directives. The program shall be documented in the Waste Management Plan. The Contractor may use existing contractual instruments between the Federal Government and waste disposal facilities (if permitted by the terms and conditions) when disposing of waste unless the Contractor can obtain more favorable cost arrangements. Any such new subcontract shall be subject to review and approval by the DCO and/or DCOR and shall not

- compromise the integrity of existing federal or state environmental and health regulatory requirements.
7. The Contractor shall prepare a Waste Management Plan complying with DOE Order 435.1 Radioactive Waste Management and implementing manuals and guides.
 8. The Contractor shall conduct specialized training programs for workers involved in low-level radioactive and mixed low-level radioactive waste management, consistent with the ISMS program.
 9. The Contractor shall assist DOE in DOE's interface with regulatory agencies in connection with the management of all waste types present or generated at ETEC. Such assistance is anticipated to involve, but not be limited to, preparation and maintenance of all necessary waste operations and environmental permits such as RCRA Part A, and other applicable waste disposal requirements and licenses.
 10. The Contractor shall maintain a system(s) for waste tracking, inventory and database management, and prepare waste management procedures and documentation for all non-D&D related waste management activities.
 11. The Contractor shall maintain safe and compliant storage of all low-level radioactive, mixed low-level radioactive and hazardous waste types generated as a result of environmental monitoring activities.
 12. The Contractor shall store all low-level radioactive and mixed low-level radioactive waste and radioactive material at the RMHF complex. These wastes and materials shall be segregated, stored, and inspected as required by applicable DOE Orders, State of California DTSC regulatory requirements, and RCRA rules and/or Federal Facilities Compliance Act (FFCA) as required for mixed waste.
 13. The Contractor shall accomplish waste storage activities required at the site for waste generated as a result of environmental monitoring. These activities include, but are not limited to the following:
 - a) Waste characterization and classification;
 - b) Safety and health oversight including radiation monitoring;
 - c) Regular inspections of storage facilities;
 - d) On-site transportation of waste to the storage facility;
 - e) Maintaining logs, waste inventory and tracking system;
 - f) Storage facility maintenance;
 - g) Preparing procedures and reports;
 - h) Contingency and spill control.
 14. The Contractor shall provide transportation for off-site disposal of all low-level radioactive, mixed low-level radioactive and hazardous waste types generated as a result of environmental monitoring and S&M activities. All on-site operations in support of off-site disposal shall be in compliance with all applicable federal and state requirements and ETEC permits. Waste disposal shall comply with all applicable DOE, Department of Transportation (DOT), and disposal site waste acceptance requirements. In general, disposal operations include, but are not limited to, the following:

- a) Verification sampling for quality control purposes and repackaging of waste as needed in order to meet DOT and the disposal sites' packaging criteria;
 - b) Ensuring container integrity and verification of radiological contents;
 - c) Shipment, staging and preparation of manifests and bills of lading for waste shipments;
 - d) Vehicle safety inspections;
 - e) Disposal tracking and database management.
15. The Contractor shall appropriately disposition tritiated water in the Baker Tanks located at building 4019 and tritiated water collected during ongoing well sampling activities. The Contractor shall not use the evaporator system in RMHF Building 4022 for tritiated water.
16. Waste water generated as a result of environmental monitoring, S&M activities and groundwater well purging activities shall be managed as appropriate. Such waste water shall not be discharged to the ground. The Contractor shall provide treatment, as required, of the generated waste water prior to final packaging and transportation for off-site disposal. Waste water treatment activities shall conform to the Contractor's Waste Management Program Plan and the RCRA Part A permit. Low-level radioactive and mixed low-level radioactive waste water treatment and equipment decontamination shall be performed at the RMHF complex. In general the waste water treatment operations shall include, but are not limited to:
- a) Internal inspections to meet permit requirements;
 - b) Environmental support and oversight;
 - c) Quality assurance support and oversight;
 - d) Preparation of written procedures required for treatment operations;
 - e) Maintenance of treatment facilities;
 - f) Stabilization as allowed by RMHF Part A Permit.
17. ETEC does not include the operation of any existing groundwater treatment facility. Currently there is only one groundwater treatment facility, which is a Boeing owned and maintained facility called the Groundwater Extraction Treatment System (GETS) located in Area I of the SSFL. The Contractor shall be responsible for operating and maintaining the extraction well and the DOE pipeline to the GETS from Area IV.
18. The Contractor shall provide a waste minimization program that shall include, but is not limited to, the following:
- a) Pollution prevention activities related to waste operations, S&M activities, and environmental monitoring for the purpose of identifying opportunities for minimizing the amount and/or toxicity of wastes generated or projected to be generated;
 - b) Preparation of all waste minimization reports including the Annual Waste

Generation Report and the Affirmative Procurement reports, as required by RCRA regulations and DOE O. 435.1 Radioactive Waste Management.

19. No waste from ETEC shall be disposed at the Kettleman Hills disposal site in California.
20. The Contractor shall ship all low-level radioactive and mixed low-level radioactive waste to a properly permitted and licensed disposal facility based upon the waste acceptance criteria of that facility. Prior to use of a non-DOE waste treatment and/or disposal facility, the Contractor shall prepare an exemption request and receive DOE approval for use of a non-DOE facility for disposal of low-level radioactive and mixed low-level radioactive waste in compliance with DOE O 435.1, and if applicable, DOE 458.1 Authorized Limits approval documentation.
21. The Contractor shall comply with the requirements of the DOE/ETEC Transportation Plan (Appendix 11).

C.5 PROJECT SUPPORT (CLINs 00004 and 00007)

C.5.1. Project Management Activities

1. The Contractor shall establish, maintain and use a performance measurement system that accurately records and reports the Task Order performance against the requirements of the Task Order, accurately reflects the Task Order price in Section B of the Task Order and is consistent with DOE and EM policies and guidance for capital asset projects and operations activities. The performance measurement system shall establish performance milestones, schedules, and percentage of project completion. The performance measurement system description must be approved by the DOE Acquisition Executive. The performance measurement system shall employ sound performance measurement principles and provide adequate insight into potential risks to DOE relating to achievement of schedule and technical performance objectives. EVMS reporting is not required.

The Contractor shall assist in the performance of all applicable project reviews directed by DOE O 413.3B that may include, but are not limited to, Independent Project Reviews (IPRs); quarterly project reviews; safety, security, and quality assurance assessments; and periodic reviews of project performance.

Project measurement and reporting for operations activities (that is, work performed under non-D&D CLINs) shall be performed in accordance with the Office of Environmental Management's Operations Activities Protocol, dated March 15, 2012, and the DOE Integrated Planning, Accountability, and Budgeting System – Guidance Documents, dated June 2011 or the most current version. Project measurement and reporting for capital assets projects (work performed under D&D CLINs) shall be performed in accordance with DOE Order 413.3B, Program and Project Management for the Acquisition of Capital Assets, dated November 29, 2010, and its associated

Guides. The Primavera Project Manager most current version shall be used for both operations activities reporting and capital asset project reporting as they relate to scheduling activities to ensure standardization.

The Contractor shall submit a Monthly Progress Report to the DCO with a copy to the Office of Project Assessment at ContractorsMPR@hq.doe.gov not later than the eighth business day prior to the end of each calendar month. The report shall provide the prior month's performance for each CLIN and an update of the performance to date. The report shall include a narrative description of scope accomplished, progress on corporate and Task Order specific performance metrics, status of milestones, and deliverables, as well as an update of the project schedule.

FAR Clause 52.232-5, Payments under Fixed-Price Construction Contracts, governs the payment provision and the data that the Contractor must provide to support its estimate of work accomplished, and is applicable to all work performed under CLINS 00008 – 00010 of the Task Order. Substantiation includes an itemization of the amounts requested, related to the various elements of work required by the Task Order covered by the payment requested and a listing of the amount included for work performed by each subcontractor under the Task Order, the total amount of each subcontract under the Task Order, and amounts previously paid to each subcontractor under the Task Order. Within five days of the exercise of each D&D option CLIN, the Contractor shall provide three copies of a practicable schedule to DCO for approval per FAR Clause 52.236-15, Schedules for Construction Contracts for each D&D CLIN as each D&D option is exercised.

The scope and schedule of Contractor activities shall remain aligned with the Task Order.

2. As part of the monthly progress report, the Contractor shall report on the following performance metrics and progress indicators:

Measure	Unit	Definition
Facility Square Footage De-inventoried (by FIMS identification numbers & total)	Square Feet	Total square footage of floor space cleared of waste or materials inventory in preparation for demolition
Facility Square Footage Demolished (by FIMS identification numbers & total)	Square Feet	Total square footage (gross square feet) of floor space demolished
Non D&D Radioactive Waste Disposed	Cubic Meters	
D&D Debris Disposed (Low-Level Waste/Mixed Low-	Cubic Meters	Bulk waste from D&D

Level Waste, Industrial)		
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3. The Contractor shall submit a schedule for submission of all plans and reports required by the Task Order within 30 calendar days of NTP for review and comment. For documents requiring DOE approval, the schedule shall allow for the submission of a draft document to DOE for review and comment, and a final document for DOE approval. For documents requiring approval from an outside (i.e., non-DOE) organization (including all regulatory documents submitted for approval), the schedule shall allow for the submission of a draft document for DOE review and comment, the submission of a draft document addressing DOE comments to the outside organization for review and comment, and a final document for approval by the outside organization. This schedule shall be updated as part of the Monthly Progress Report.
4. The integrated schedule for D&D activities shall include logic ties, predecessor and successor relationships, activity duration, float, and have the Critical Path clearly identified. If the D&D options are exercised, this schedule will then be updated to reflect the actual timing and sequence of D&D activities. Updates will be included with the Monthly Progress Report for the duration of D&D.
5. The Contractor shall establish a routine weekly status/project integration meeting with DOE (and include other organizations and contractors as necessary) to review ongoing and future PWS activities and issues. Within these routine weekly status meetings, the Contractor shall provide a brief written weekly status of ongoing and future PWS activities to DOE.
6. The Contractor shall also participate in the weekly team meetings with DOE and other organizations and contractors to discuss ongoing and future PWS activities and issues.
7. The Contractor shall analyze proposed or directed funding changes for their impact on scope and schedule elements of the Task Order.
8. The Contractor shall provide support to the DOE for bi-monthly public tours. This shall include site access and site transportation.
9. The Contractor shall provide the legal management plan per Section H.108 *Legal Management* and if required, the Contractor shall also provide the necessary legal management support per paragraph B of Section H.108 *Legal Management*.
10. Formal communications between Government and Contractor staff will include technical direction to the Contractor, and transmittal of technical data, or patents, and transmittal of non-technical administrative correspondence. To facilitate correspondence controls, the Contractor shall track correspondence between DOE and the Contractor. All correspondence shall contain a subject line that begins with the task order number, followed by the topic of the correspondence.

C.5.2. Property Management Program

1. The Contractor shall be directly responsible and accountable for all government property utilized under this Task Order. As of the effective date of this Task Order, the Contractor shall accept the transfer of and accountability for government property. This requirement includes government property in the possession or control of subcontractors. The Contractor shall establish and maintain a system, in accordance with Section I clause FAR 52.245-1 Government Property, to manage (control, use, preserve, protect, repair, and maintain) Government property in its possession. The Contractor shall submit a property management system, including property management plans, systems, and procedures, to the DCO, the DCOR and the DOE property administrator within 45 days of the NTP. The property management system shall be reviewed and, if satisfactory, approved in writing by the DOE property administrator and DCO within 90 days of the NTP. All government-furnished property under this Task Order is furnished on an “as is/ where is” basis. A significant inventory of government-owned property (see Section J, Attachment D) is present at the site and shall require storage and maintaining.
2. The Contractor shall identify assets no longer needed or required for current or future use. After identification, property shall be divested utilizing DOE guidelines and in accordance with federal (Federal Property Management Regulation 41 CFR Part 101; Disposition of Excess Personal Property 41 CFR Part 102-36; and FAR 52.245-1), state and local regulations. The Contractor shall prepare a facility disposition and divestment report for each facility affected.
3. The Contractor shall be responsible for maintaining a facility management system for all real property assets at the site. The DOE has established the Facility Information Management System (FIMS) as the reporting system for all DOE real property facilities. The Contractor shall contact the DOE FIMS administrator at the EMCBC to become a registered user of the system. The Contractor shall become a member of the FIMS community, attend monthly conference calls and designate a responsible individual to complete all FIMS input in a timely manner, as required. All real property actions shall be coordinated through the DOE Real Estate Contracting Officer that supports the site.

C.5.3. Safety and Quality Program

C.5.3.1. Worker Safety and Health

The Contractor shall develop and submit to DOE for approval a written Worker Safety and Health Program (WSHP) compliant with requirements appearing in 10 CFR 851. The Contractor shall ensure that its Program addresses and encompasses all of the work to be performed under this Task Order at the site. The Program shall also be applicable to the Contractor’s subcontractors performing work at ETEC. It is the Contractor’s responsibility to ensure that all subcontractors performing work at ETEC comply with the Program. The Contractor shall submit the written WSHP to DOE for approval within 60 days of the NTP. In addition, an updated

WSHP shall be submitted to DOE for review and approval 90 days prior to the commencement of D&D activities or whenever a significant change or addition to the Program is made. Annually, the Contractor shall submit either an updated WSHP to DOE for approval or a letter stating that no changes are necessary in the currently approved Worker Safety and Health Program.

The Contractor shall also be responsible for reporting occupational safety & health information as required in Attachment 3 to DOE O 231.1B, Environment, Safety, and Health Reporting, including but not limited to, electronic submission of injury and illness reports using the Computerized Accident/Incident Reporting System (CAIRS).

C.5.3.2. Integrated Safety Management (ISM) System

The Contractor shall implement and maintain an ISM System to accomplish all work as required by DEAR 970.5223-1, Integration of Environment, Safety and Health into Work Planning and Execution. The ISM System should encourage a positive safety culture, encourage worker participation in the development of work control and hazard identifications processes, and emphasize the workers' right to stop work in cases of imminent hazard to life, health or property. When applicable, the Contractor shall input Operating Experiences and Lessons Learned per DOE O 210.2A, DOE Corporate Operating Experience Program. The Contractor shall submit the written ISM System Description to DOE for approval within 60 days of the NTP. In addition, an updated ISM System Description shall be submitted to DOE for review and approval 90 days prior to the commencement of D&D activities or whenever a significant change or addition to the program is made. The Contractor shall assess the ISM System and provide an annual declaration of implementation based on DOE Guidance.

C.5.3.3. Occupational Radiation Protection Program

Consistent with 10 CFR 835, Occupational Radiation Protection, DOE O 458.1, Radiation Protection of the Public and the Environment, and the DOE Implementing Guides, the Contractor shall conduct site activities in compliance with a DOE approved Radiation Protection Program (RPP) to minimize occupational exposure to internal radiation, direct external exposure to ionizing radiation as well as to minimize the spread of contamination. The Contractor shall submit the written RPP to DOE for approval within 60 days of NTP. In addition, an updated RPP shall be submitted to DOE for review and approval 90 days prior to the commencement of D&D activities or whenever a significant change or addition to the program is made. The As Low As Reasonably Achievable (ALARA) process shall be applied to EM program activities, shall be documented in the Radiation Protection Program, and shall consider all regulatory established radiation exposure and cleanup action levels. The Contractor shall also provide timely response to employee and public concerns regarding radiological activities and the impact of these activities on the health & safety of the community.

The Contractor shall provide a personnel dosimetry program within 60 days of NTP. The Contractor may adopt the current Boeing dosimetry program for performance under this Task

Order. The program shall include a personnel dosimetry program for the Contractor, DOE ETEC staff, and visitors.

C.5.3.4. Emergency Management

The Contractor shall provide support to DOE by participating in the site's Emergency Management program including planning, preparedness, response, recovery, and readiness assurance per DOE O 151.1C, Comprehensive Emergency Management System.

The Contractor shall prepare/revise, submit for DOE approval, and execute the approved project specific Emergency Plan and implementing procedures in coordination with the Boeing Site Emergency Management Program coordinator, within 60 days of the NTP. The Contractor shall ensure that this Emergency Plan addresses and encompasses all of the work to be performed under this Task Order and is integrated with the RMHF Contingency Plan, the SSFL Area IV Emergency Readiness Assurance Plan, and the site-wide Emergency Response Plan.

The Contractor shall coordinate with Boeing in developing and participating in an exercise program that is compliant with DOE Order 151.1C, Comprehensive Emergency Management System. The Contractor shall ensure adequate support is available in the event of an emergency which may include but is not limited to wildfires and earthquakes.

The Contractor shall prepare/revise, submit for DOE approval within 60 days of NTP Emergency Planning Hazard Surveys and, if applicable, Emergency Planning Hazard Assessments. In addition, Emergency Planning Hazard Surveys and, if applicable, Emergency Planning Hazard Assessments shall be submitted for DOE approval at least every three years or whenever a major change occurs. The Contractor shall develop and update as needed, site/facility-specific Emergency Action Levels (EALs) for the spectrum of potential Operational Emergencies identified by the Emergency Planning Hazard Assessment to include protective actions for implementation in the Site Emergency Program.

The Contractor shall also prepare/revise and submit for DOE approval annually by September 30 an Emergency Readiness Assurance Plan that is compliant with DOE Order 151.1C, Comprehensive Emergency Management System.

The Contractor shall prepare/revise, submit for DOE approval, and execute the approved Continuity of Operations Plan per DOE Order 150.1, Continuity Programs, within 60 days of the NTP.

C.5.3.5. Quality Assurance

The Contractor shall develop, implement, assess, and continuously improve the Quality Assurance Program (QAP) in accordance with DOE Order 414.1D, Quality Assurance, Attachment 1, Contractor Requirements Document (CRD); the EM QAP, EM-QA-001; associated DOE directives (i.e. Policies, Guides, Manuals, and Orders) and Section H.103, Quality Assurance (QA). The QAP shall be submitted to DOE for approval within 60 days of

the NTP and DOE approval must be documented prior to commencing any work under the Task Order. In addition, an updated QAP shall be submitted to DOE for review and approval 90 days prior to the commencement of D&D activities or whenever a significant change or addition to the program is made.

The Contractor shall develop and implement a comprehensive Issues Management System for the identification, assignment of significance category, and processing of quality or safety-related issues identified within the Contractor's organization in accordance with DOE Order 414.1D, Quality Assurance, Attachment 1, Contractor Requirements Document; the EM Quality Assurance Program, EM-QA-001; associated DOE directives (i.e. Policies, Guides, Manuals, and Orders) and Section H.103, Quality Assurance (QA).

C.5.3.6. Contractor Assurance System

The contractor must establish a Contractor Assurance System (CAS) tailored to meet the needs of the ETEC Site. The Contractor shall develop and implement a CAS based on the requirements of DOE O 226.1B, Implementation of DOE Oversight Policy, Attachment 1, Contractor Requirements Document (CRD), and tailored to meet the needs of the ETEC site. The CAS program description shall be submitted to DOE for approval within 60 days of the NTP.

C.5.4. Training

The Contractor shall establish a training program related to site operations and activities. The training program shall be tailored to address specific operational needs and expertise. The primary goal is to ensure workers' safety and health is maintained through a sufficient training program. The Contractor's training program shall adequately educate individual employees in the areas of facility and equipment maintenance and operations in order to ensure worker safety as well as protection of property. Overall, the training program shall provide for employee competence, job knowledge, and an understanding of environmental, health and safety requirements. The Contractor's training program shall accomplish the following:

- a) Prepare and perform site health and safety briefings for workers and visitors.
- b) Increase employee performance and assure employee proficiency;
- c) Prepare employees for changing technology and regulatory requirements;
- d) Maintain all training records, including certification of training for all employees working on site activities;
- e) Be tailored based on EM mission and operational needs;
- f) Implement individual development goals and plans.

C.5.5. Document Control and Records Management

1. The Contractor shall develop, implement and maintain sound document control systems and processes to ensure efficient tracking, retrieval, revision control and

distribution of documents, including drawings.

2. The Contractor shall maintain a Records Management Program. The Contractor shall manage records (regardless of media) in accordance with Title 44 USC, Chapters 21, 29, 31, 33, and 35; 36 CFR, Chapter 12, Subchapter B (Records Management) and DOE O 243.1B (Records Management Program), and any other DOE requirements as directed by the DCO. These functions include, but are not limited to, the following:
 - a) Tasks associated with creation/receipt, maintenance, storage/preservation, protecting, inventorying, scheduling, indexing and dispositioning active and inactive records in the performance of this Task Order. Records may be stored on-site within the Contractor's workspace; commercially off-site with proper DOE approval; or inactive records at a Federal Records Center.
 - b) Training records for all employees;
 - c) Retrieving records from on- and off-site storage facilities;
 - d) Supporting DOE records management data calls, as well as record requests including ongoing Freedom of Information Act (FOIA), Privacy Act, Energy Employee Occupational Illness Compensation Program Act (EEOICPA), Former Worker Medical Screening Program (FWP), Chronic Beryllium Disease Prevention Program (CBDPP), congressional inquiries, and legal discovery requests;
 - e) The Contractor shall ensure records classified as Quality Assurance (QA) records under ANSI/ASME NQA-1 (Requirement 17), if applicable, are categorized appropriately and managed in accordance with 36 CFR Chapter 12, Subchapter B and are traceable to the applicable item, activity or facility.
 - f) The Contractor shall develop and implement records management controls to ensure that the identification, maintenance, and disposition of electronic records (including email) are managed through the use of records management applications, in accordance with Federal and Department requirements and guidelines. Additionally, the Contractor must incorporate controls into electronic information systems or integrate them into a recordkeeping system that is external to the information system itself in accordance with 36 CFR Chapter 12 Paragraph 1236, Electronic Records Management.
 - g) The Contractor shall ensure that records generated/received in the performance of the Task Order, including records obtained from a predecessor contractor, that contain personal information retrieved by name or another personal identifier are categorized and maintained in Privacy Act systems of records, in accordance with FAR 52.224-2, the "*Privacy Act*", and DOE Order 206.1, "*DOE Privacy Program*."
 - h) Except for those defined as contractor-owned (in accordance with DEAR 970.5204-3, "*Access to and Ownership of Records*," see Section I), all records (see 44 USC 3301 for the statutory definition of a record) acquired or generated by the Contractor in the performance of this Task Order including, but not limited to, records from a predecessor contractor (if applicable) and records described by the Task Order as being maintained in Privacy Act Systems of Records, shall be the property of the Government.

- i) The Contractor shall preserve and disposition records/information content in accordance with National Archives and Records Administration-approved records disposition schedules (DOE Record Disposition Schedules), as posted on the DOE Office of the Chief Information Officer (OCIO) Records Management web page. Note: Records retention standards are applicable for the classes of records described therein, whether or not the records are owned by the Government or the Contractor (DEAR 970.5204-3).
- j) The Contractor shall create and maintain an Administrative Record (AR), which is a compilation of all documents that are considered or relied on when response-action decisions are made, including records generated under the previous contract. Public participation in the development of the AR is required by law. Materials that are typically part of the project record and that have been identified for inclusion in the AR shall be duplicated in their entirety for both the project records and the AR. The only exceptions to this would be very large sets of materials (e.g., the complete set of Environmental Impact Statement references), which should be placed in the AR along with a color page “flag”—placed in both the project record and the AR—stating that the sole hard copy is in the AR.
- k) The Contractor shall prepare/revise, submit for DOE approval, and execute an approved Records Management Plan, File Plan (and updates), Vital Records Plan and Inventory, Records Disposition Plan (and updates), and Records Management Close-out Plan consistent with records management regulations, including Section I clause entitled “DEAR 970.5204-3 Access to and Ownership of Records” and Section H clause entitled “Privacy Act Systems of Records”.

C.5.6. Regulatory Support Activities

1. The Contractor shall, in coordination with DOE, support regulatory interface activities with the DTSC, the State of California Ventura County, and the State of California Los Angeles Regional Water Quality Control Board to ensure full compliance with all applicable health and safety regulations as well as applicable and negotiated environmental regulations and requirements. Regulatory support shall also cover diverse areas such as permitted discharges to air and water, radiation and hazardous waste regulations, and State Occupational Safety and Health Administration (OSHA) rules and regulations. A list of current required permits is located within Appendix 10 of this PWS. In addition, regulatory support activities shall include the following:
 - a) Maintain a high level of working knowledge of environmental, health and safety regulatory requirements and the ability to effectively interpret and apply such requirements;
 - b) Assist DOE with local, state and federal regulatory affairs;
 - c) Monitor compliance with Environment, Safety and Health (ES&H) requirements;
 - d) Prevent non-compliance through internal assessments and early detection of potential non-compliance;
 - e) Assist DOE in negotiation and coordination of all ES&H activities with regulators in

the areas of permit modifications, defining technical scopes of work and modifications thereto, preparation for regulatory inspections, and preparation of reports and responses to regulators.

Regulatory support activities under this PWS do not include public outreach or public affairs support.

2. Regulatory Compliance and Permits:

The Contractor shall be responsible for coordinating with Boeing to prepare appropriate transmittals and applications for transfer or modification of all necessary operating and environmental permits, agreements, licenses, etc. from Boeing to the Contractor for all DOE owned/Contractor operated facilities, systems or processes. The Contractor shall evaluate all current permits and agreements necessary for performance of this PWS. The Contractor shall be a co-permittee for the RMHF and HWMF RCRA Part A permits, Certified Unified Program Agency (CUPA) (part of Hazardous Material Business Plan permit), Ventura County Air Permit, Hazardous Materials Certificate of Registration and California Air Resource Board (CARB) permit.

The Contractor shall:

- a) Establish and document an Environmental Management System (EMS) that is compliant with all applicable laws, regulations, and DOE directives (including DOE O 436.1, Departmental Sustainability); the EMS Description shall be submitted for DCOR/DOE approval within 90 days of the NTP.
- b) Comply with all existing regulatory agreements and permits and renew existing permits and/or obtain new permits as necessary.
- c) Comply with the terms of the 2007 Consent Order (Appendix 7), 2010 AOC (Appendix 8), the DOE and Landowner Access Agreement (Appendix 1) and other regulatory permits and agreements in place for ETEC. The regulatory process for evaluating and selecting the approaches for D&D and waste disposition will include stakeholder participation.
- d) The Contractor shall also be required to sign Exhibit E of the DOE and Landowner Access Agreement as prescribed in Appendix 1.

C.5.7. Phase Out and Closeout Activities

Phase Out Activities

1. The Contractor shall submit a Phase-Out Transition Plan to include its approach to adequately phase-out all Task Order activities.
2. The Contractor shall perform those activities that are necessary to transition the work

under this Task Order to a successor Contractor in a manner that (1) assures that all work for which the Contractor is responsible under the Task Order is continued without disruption; (2) provides for an orderly transfer of resources, responsibilities, and accountability from the incumbent contractor; and (3) provides for the ability of the Contractor to perform the work in an efficient, effective, and safe manner.

3. The Phase-Out Transition Plan shall include a schedule of major activities, and address as a minimum:
 - A training and orientation program for the successor contractor to cover the complete scope of work covered by the Task Order and other specific requirements associated with work efforts at the ETEC site;
 - Communication process among DOE, the Contractor, assigned subcontractors, incumbent employees, and the successor contractor and/or subcontractors;
 - Identification of key transition issues and milestones;
 - Identification of a transition team (inclusive of consultants and teaming members, if any);
 - Approach to minimizing impacts on continuity of operations;
 - Dispute resolution;
 - Transition of programs, plans and projects;
 - Transition and/or modification of necessary permits, which shall include list of permits and purpose. All permits shall be submitted to DOE initially at least 90 days prior to the date they are to be submitted to the regulatory agency and final permits are to be submitted to DOE at least 30 days prior to the date of submittal to the regulatory agency.
 - Transition of existing management and operating systems, plans, procedures, programs (e.g., Project Management, Operating Procedures, Worker Safety and Health plan, QA plan, ISMS program, Occupational Radiation Protection Program, Waste Management Program, and Records Management Program);
 - Transition of all Task/Sub-task responsibilities, functions, and activities;
 - Transition of all interface control documents; and
 - Transition of any other documents or records that would be required for a successor contractor to adequately and efficiently provide support at ETEC.

Upon DOE approval of the Phase-Out Transition Plan, the Contractor shall complete the activities described in the plan by the end date of the Task Order or option ordering period specified in Section B, whichever comes later. The Phase-Out Transition Plan shall be submitted in accordance with this PWS and Section J, Attachment J-B "Task Order Deliverables/Submittals" at least 60 days prior to the end of the Task Order period.

Closeout Activities

1. The Contractor shall submit a Closeout Plan to document the necessary steps the Contractor shall take to adequately closeout the Task Order. The Closeout Plan shall

include a schedule of major activities, and address as a minimum:

- Identification of all Task Order deliverables submitted and accepted. The Contractor shall include date submitted, DOE acceptance date (if applicable) and status of any remaining open deliverables.
 - Status of all requirements in Section C completed under this Task Order.
 - Identification of all subcontracts along with status of each subcontract's settlement and final payment. The Contractor shall identify for each subcontract under this Task Order whether final invoices have been paid, date of final payment, current status of settlement, and any other outstanding issues related to final settlement and payment of subcontracts.
 - The Contractor shall document each Contractor and subcontractor employee name and indicate whether the site/security badges have been returned to Boeing. Proof of Boeing acceptance for return of all site/security badges shall be included.
 - The Contractor shall provide status of the final invoice.
 - The Contractor shall provide status of the final CPARS report.
2. The Closeout Plan shall be submitted in accordance with this PWS and Section J, Attachment J-B "Task Order Deliverables/Submittals." at least 60 days prior to the end of the task order period. Final payment may be withheld by DOE until all of the necessary activities are completed by the Contractor.
 3. Upon completion of the Task Order, a final modification will be executed to officially close out the Task Order. A final release statement will be included in the closeout modification where the Contractor discharges the Government, its officers, agents and employees from all liabilities, obligations and claims under the Task Order.

C.5.8. Energy Employees Occupational Illness Compensation Program Act of 2000 (EEOICPA)

The EEOICPA establishes a program to provide compensation to current and former employees of the Department of Energy (DOE), its contractors and subcontractors, companies that provided beryllium to DOE, and atomic weapons employers (AWEs). Under EEOICPA, the DOE's Office of Health, Safety, and Security, HS-15, has a requirement to verify employment histories, provide medical records, and provide radiation dose records and other information pertinent to National Institute for Occupational Safety and Health (NIOSH) radiation dose reconstruction and Department of Labor (DOL) Subtitle B and Subtitle E case preparation for anyone who applies for compensation under EEOICPA.

The Contractor shall establish a program and respond to the requirements of the EEOICPA for their employees and activities starting with the date of this Task Order award. Activities shall include:

1. Perform the work necessary to complete EE-5 Employment Verification Forms requested by DOL for the EEOICPA Subtitle B program;
2. Perform the work necessary to provide Personnel Exposure information requested by NIOSH as part of the EEOICPA Subtitle B program;
3. Perform the work necessary to complete Document Acquisition Requests (DARs) submitted by DOL for the EEOICPA Subtitle E program;
4. Perform the work necessary to provide Visitor Personnel Exposure or information requested as part of the EEOICPA Subtitle B program;
5. Perform other necessary EEOICPA related records work, as needed;
6. Maintain local records to track the activities conducted under EEOICPA;

The Contractor shall conduct the following work tasks within 60 days from receipt of request in support of the EEOICPA:

7. Perform the work necessary to complete Employment Verifications requested by DOL for the EEOICPA Subtitle B program:
 - a) Research and retrieve records needed to complete claims forms;
 - b) If necessary, work with corporate entities or unions to verify employment of former site workers;
 - c) Complete all necessary claims forms associated with the request;
 - d) Complete declassification, as needed, of records required for the processing of claims forms;
 - e) Mail completed forms, along with any attachments, to DOL;
 - f) Perform the work necessary to provide personnel exposure information requested by NIOSH as part of the EEOICPA Subtitle B program:
 - Research and retrieve records needed to complete claims forms;
 - Complete declassification, as needed, of records required for the processing of claims form;
 - Complete and sign off on all necessary claims forms associated with the request;
 - Mail completed forms and records requested to NIOSH;
 - g) Perform the work necessary to complete Document Acquisition Requests (DARs) submitted by DOL as part of the EEOICPA Subtitle E program:
 - Research and retrieve records needed to complete claims forms;
 - Complete declassification, as needed, of records required for the processing of claims;
 - Complete and sign off on all necessary claims forms associated with the request;
 - Mail completed forms and records requested to DOL;
 - h) Perform the work necessary to provide Additional Personnel Exposure

Information or Visitor Personnel Exposure Information requested by Oak Ridge Associated Universities (ORAU; contractor to NIOSH) as part of the EEOICPA Subtitle B program:

- Research and retrieve records needed to complete claims forms;
 - Complete declassification, as needed, of records required for the processing of claims form;
 - Complete and sign off on all necessary claims forms associated with the request;
 - Mail completed forms and records requested to ORAU;
- i) The Contractor shall respond to any other inquiries and perform special projects as required by the EEOICPA;
- j) Maintain local records to track the activities under EEOICPA. These records shall be used to report status in the Contractor's Monthly Progress Report. Categories to be reported include the following:
- DOL-Employment Verification;
 - Exposure Data;
 - NIOSH – Requests;
 - NIOSH – Supplemental Data Request;
 - DAR Requests;
 - DOE Exposure Requests;
- k) Information to be reported for the above categories includes the following:
- Outstanding requests at beginning of reporting period;
 - Outstanding requests at end of reporting period;
 - Requests received during the reporting period;
 - Requests completed during reporting period;
 - Total hours;
 - Total cost.

C.6 D&D WORK (CLINS 00008, 00009 and 00010)

Commencement of any D&D Option CLIN, including D&D mobilization activities, may not begin until DOE completes the ETEC EIS and issues the ROD. Completing the EIS and issuing the ROD are DOE functions and are NOT tasks that the Contractor shall perform. DOE's decision whether to exercise any D&D Option CLIN will be contingent upon the remedy identified in the ROD.

Non-radiological facilities will be surveyed and confirmed to be categorized for free release for demolition prior to the CLINs being exercised. The Contractor shall remove all

equipment, furniture, and building structural material, including foundations, footers, and underground utilities within a facility footprint.

If a D&D Option CLIN is exercised, all D&D activities shall be completed according to CLIN specific D&D plans that the Contractor will develop and DTSC will approve for demolition of facilities in Area IV at the SSFL. The Contractor shall prepare detailed D&D plans, schedule and detailed procedures that describe the D&D activities. These detailed D&D plans shall require approval by both DOE and DTSC before any D&D work can begin. The Contractor shall submit the D&D plan to DOE for approval no later than 45 days after the D&D option has been exercised. The Contractor shall allow DOE 30 days for initial review. The Contractor will then have 15 days to resolve comments with DOE prior to DOE's official submittal to DTSC for approval. The Contractor shall allow 45 days for DTSC review and approval.

There are three distinct D&D CLINS. CLIN 00008 includes demolition of the HWMF Complex, the Sodium Pump Test Facility (SPTF), and the Former ETEC Headquarters and LMDL-2. CLIN 00009 includes demolition of the SNAP Environmental Test Facility. CLIN 00010 includes demolition of the RMHF. The D&D option CLINs are organized per facility D&D effort and shall be performed in the following sequential order: first CLIN 00008, then CLIN 00009 and lastly CLIN 00010. CLIN 00010 for the RMHF shall be the last D&D work scope activity performed under the Task Order.

D&D conducted under each CLIN, if DOE exercises the option for a particular CLIN, shall include the following activities. These shall be described in the Contractor's CLIN specific D&D plans.

Appendix 3 contains a list of numbered structures that are required to be demolished under each D&D Option CLIN.

C.6.1. Pre-Demolition

Pre-demolition activities shall include documentation review, pre-demolition inspections, pre-demolition planning, demolition preparation and abatement. The following activities shall be performed prior to the commencement of demolition, as needed:

1. Prior to preparation of the detailed D&D plans, the Contractor shall conduct an evaluation of previously prepared documents to identify potential hazards that may be encountered. The review shall include historical information pertaining to activities, processes, and chemical and radiological use at the facility(ies) planned for demolition to identify potential wastes and constituents of concern. The review will focus on potential chemical/radiological residues and/or contamination that may be present on facility structural elements, floors, concrete/asphalt pavement and pads, ceilings, and equipment.

2. The Contractor shall also conduct physical inspections of demolition project sites as needed to identify potential wastes and factors that may affect how those wastes are characterized. The Contractor's physical inspection shall include investigating and/or locating undocumented below grade features via underground investigation marking and mapping services. Results of the pre-demolition physical inspections shall be incorporated into the detailed D&D plans. These pre-demolition inspections shall be used to develop waste management strategies that assure wastes are addressed in compliance with requirements and are handled as safely and efficiently as possible. The Contractor shall develop waste management strategies based on the outcomes of inspections that have been performed and will incorporate those into the overall D&D plan.
3. D&D Plans-- Pre-demolition activities shall include preparation of the detailed D&D plans for DOE and DTSC approval.
 - a. Specific components of the D&D plan for each D&D Option CLIN shall include: maps; figures; a detailed description of buildings and the proposed equipment, methods and extent of removals; health and safety requirements; specific waste management profiles; expected waste streams and volumes; waste management and disposal requirements; results of pre-demolition physical inspections; site restoration requirements; existing radiological survey data as provided by DOE (*see Appendix 6 to this PWS, EPA Final Report entitled "Final Radiological Characterization of Soils Area IV and the Northern Buffer Zone"*); and the locations/results of pertinent waste characterization samples. The end state for each D&D project shall be clearly described. The expected end state for all D&D projects is a stabilized site ready for transition to the soils investigation efforts outlined in the AOC.
 - b. D&D plans shall include comprehensive, detailed listings of tasks and sub-tasks, including those involved with waste management that must be accomplished to complete the demolition project.
 - c. D&D plans shall address hoisting and rigging, critical lifts, work at elevated surfaces, work near utility lines, internal traffic control, safe working clearance, and other work zone and industrial hazards associated with the demolition.
 - d. Specific components to be addressed within the D&D plans for waste management shall include: waste generation, characterization, packaging and shipping, and QA verification.
 - e. The D&D plans shall also consider the radiological and chemical hazards before and during demolition. The D&D plans shall discuss the Contractor's plan to survey prior to shipping off-site and disposal of all demolition materials and waste. This survey shall include chemical and radiological screening to

ensure that the waste meets the waste acceptance criteria of the receiving facility. The building surface and volumetric data shall be used to evaluate the risks of debris transport and to determine if any building debris requires management as radioactive waste.

- f. A demolition schedule shall be included in the D&D Plan.
- g. The D&D plans shall include a signed statement from a California-licensed Professional Engineer, based on a review of historical documentation certifying, to the best of their knowledge and belief, there were/or were not any radiological-related activities, if any, conducted in any structure of the demolition.
- h. The D&D plans shall include an assessment of potential impacts the proposed activities may have on active characterization or remediation efforts, on permanent groundwater monitoring, or on remediation systems.
- i. The D&D plans shall describe demolition preparation activities including disposition of any remaining furniture, appliances, fixtures, office equipment, and removal of liquids from equipment. Piping, tubing, compressors, pumps, hoists and other equipment with refrigerants, oils or hydraulic fluids shall be drained by a licensed contractor, if necessary, until no other additional material can be removed. Lines and equipment that have held hazardous materials or hazardous wastes, and which are designated for disposal or recycling as scrap, shall be managed by Title 22 of the California Code of Regulations during demolition, and shall not be rinsed or otherwise cleaned beyond gravity draining, physical scraping, wiping, pigging, etc.
- j. The D&D plans shall describe the Contractor's approach for removal and disposition of any remaining tanks, pressure vessel draining, and purging. The contents of tanks and pressure vessels located at demolition sites shall be evacuated through depletion, transfer to other storage, or venting as applicable. With the exception of those designated for continued use that may be damaged by atmospheric exposure, tanks and vessels shall be left open to the atmosphere once the contents have been evacuated. Tanks that have held hazardous materials or wastes, and which are designated for disposal or recycling as scrap metal, shall only be rinsed or otherwise cleaned in compliance with Section 67383.3 in Title 22 of the California Code of Regulations.
- k. The Contractor shall describe in the D&D plans disposition of any remaining or residual liquids, oil, or hydraulic fluid and its approach to loose paint abatement. Paint on buildings and equipment is assumed to be lead-based, unless evidence is available demonstrating otherwise. Buildings and structures with areas of peeling or flaking paint large enough to impact demolition waste

characterization shall either undergo lead paint abatement or the subsequent demolition waste shall be managed as hazardous waste. When lead paint abatement is performed, the removed material shall be collected, containerized, and managed as hazardous waste.

- l. The Contractor shall describe their plans for asbestos abatement and management of universal waste. This shall include activities to survey and remove all asbestos containing materials (ACMs), universal waste (e.g. mercury in electrical equipment), and Polychlorinated Biphenyls (PCBs) in order to render the site safe for demolition. All buildings shall require asbestos, universal waste and PCB surveys prior to demolition. ACMs could consist of insulation on conventional piping and plumbing, boilers, steam generators or heaters. Asbestos may also be found in ceiling tiles, floor tiles, gaskets, structural supports, fire walls, roofing materials, etc. Specialized asbestos insulation configurations will be found on the sodium piping loops in several facilities. When non-friable or friable asbestos is detected during the asbestos survey, a licensed asbestos abatement contractor shall be employed to remove the asbestos. Lamps, ballasts, switches, mercury-containing articles or other articles that are universal wastes or that may be otherwise hazardous shall be removed, segregated, containerized as required and transported to an appropriate recycling or disposal facility.
- m. During pre-demolition surveys, trash and debris, deposits of potentially hazardous materials, and potentially hazardous residues of various kinds may be observed. The Contractor shall describe management of these materials in its D&D plans. These materials may be removed prior to demolition if the impact on waste characterization of the underlying material is sufficiently ameliorated, or the entire mass, including deposit/residue, shall be characterized as a whole to determine whether it is hazardous waste or not. No sifting or invasive separation methods shall occur in debris piles intermixed with soil, to ensure that soil conditions shall not be disturbed without DTSC concurrence. Only visible debris or trash shall be removed from piles. Only physical/mechanical removal methods shall be employed to remove deposits and residues. Potentially hazardous deposits and residues shall not be rinsed or washed from materials that are to become wastes.
- n. Each D&D plan shall include provisions for compliance with the Migratory Bird Treaty Act.
- o. The Contractor shall conduct biological and cultural resource monitoring in compliance with Section 7 of the Endangered Species Act and Section 106 of the National Historic Preservation Act for all D&D areas. The necessary clearances for biological resources and cultural resources shall also be performed prior to any D&D activities. Results shall be reported within the D&D plans.

- p. Storm Water Pollution Prevention Plans (SWPPPs) shall be developed for construction areas greater than one acre in size as required by the National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction Activity (General Permit) Water Quality Order 99-08 DWQ. The SWPPP Notice of Intent shall be filed with the State Water Quality Control Board.
4. The Contractor shall implement an effective safety program for all D&D activities. Considering the requirements for the ISMS, Worker Safety and Health Plan, QA Plan, and Occupational Radiation Safety Program previously discussed under Section C.5 Project Support, the Contractor shall review and update these programs and plans for implementation of D&D activities, and shall submit them for DOE approval.
5. Facility preparation activity shall also include reviewing utility as-built drawings for all structures abandoned in place, as well as disconnecting utilities and services in preparation for D&D activities. The Contractor shall use air-gapping or other physical means to ensure that utilities are de-energized prior to D&D activities. Utilities and services necessary for demolition activities to comply with OSHA standards and codes shall be installed.
6. For the radiological facilities D&D and any asbestos abatement, the Contractor shall perform all analyses required to demonstrate compliance with NESHAP requirements and prepare any required notifications. Notifications shall be submitted for approval at least 21 days prior to the start of asbestos removal. Results shall be reported within the D&D plan.
7. DTSC shall be informed of demolition activities at least 30 days in advance of commencement of demolition operations for any demolition project.
8. The Contractor shall be responsible for supporting pre-demolition site tours related to the specific D&D effort. This shall include site access and site transportation.

C.6.2. Demolition

Demolition activities shall include demolition operations as developed and described in the detailed D&D plans for each CLIN. In addition, the following conditions shall apply:

1. The Contractor shall provide an archeologist and Native American monitor for all ground disturbing activities in accordance with Section 106 of the National Historic Preservation Act.
2. The Contractor shall provide a biological monitor in compliance with Section 7 of the Endangered Species Act for all D&D areas. The necessary clearances for biological resources shall be performed prior to any D&D activities. Results shall be reported within the D&D plans.

3. Demolition shall be conducted in a manner to minimize the comingling of waste types. Demolition shall be conducted to avoid disturbance of underlying soil. Materials such as stained concrete shall be segregated for subsequent characterization and disposal. Generation of soil shall be minimized. If removal of contaminated soil for offsite disposal is necessary as the result of site stabilization or safety concerns, soil shall be containerized and DTSC shall be consulted prior to removal. If removal of contaminated soil for offsite disposal is necessary, the Contractor shall segregate costs, and shall coordinate with the DCO to establish a price for project impacts relating to the management of contaminated soil.
4. Explosive demolition techniques shall not be used.
5. Below-grade vault removal may require soil excavation to provide access and maintain setback requirements for safe excavation. Excavated soils shall be stockpiled and used only to backfill the excavation from which they came.
6. The Contractor shall perform the following additional D&D activities for the Sodium Pump Test Facility (includes buildings 4462 and 4463):
 - a. Remove the exterior cables, instrumentation, auxiliary gas and fluid lines, component insulation, and heater elements that cover or attach to the sodium loop subsystems;
 - b. Selectively dismantle auxiliary systems components to provide clearance and a working area;
 - c. Remove sodium pipe and components in sections sized so that they can be safely maneuvered; and,
 - d. Remove all sodium and sodium compounds, clean all sodium containing components and recycle metal scrap and sodium hydroxide to the extent practical.
7. The Contractor shall use best management practices during D&D activities to disturb as little as possible of the underlying soil. The Contractor shall ensure that stockpiled soil is properly covered and appropriate dust control measures are employed to limit airborne releases.
8. The Contractor shall employ dust control and dust protection measures when the generation of dust resulting from demolition activities must be mitigated. Water used for dust suppression shall be contained within the D&D work areas.
9. The Contractor shall supply sufficient field oversight to maintain worker safety, radiological protections and procedures, storm water controls, and efficient project implementation.

10. All demolition activities shall be performed utilizing qualified OSHA HAZWOPER and radiation trained (for demolition of radiological buildings) Contractor personnel.
11. When performing demolition activities that expose soil, the Contractor shall observe the excavation to determine if there is the potential for previously undocumented releases of hazardous substances to have occurred. Indications of previously undocumented releases could include stained, discolored, wet, or saturated soils; odors; or the discovery of previously unknown features such as tanks or sumps that could indicate past chemical use. If such features are discovered, the Contractor shall pause work in the affected area, notify DOE, and propose a path forward to evaluate the area further and resume work. In such situations, the Contractor shall take necessary actions to minimize health and environmental impacts of the suspected contamination, and to minimize the generation of hazardous or mixed wastes. Should these situations occur, the Contractor shall also segregate costs associated with the presence of previously undocumented releases of hazardous substances, and shall coordinate with the DCO to establish a price for project impacts relating to the presence of the previously undocumented release.
12. The Contractor shall pause work in the affected area and notify DOE if it encounters previously unknown features, the removal of which would result in excavation or soil disturbance to a depth greater than three feet below ground surface. If such features are discovered, the Contractor shall propose a path forward to evaluate the area further, assess the amount of excavation that would be required, and resume work. Should these situations occur, the Contractor shall also segregate costs associated with the presence of previously unknown features, and shall coordinate with the DCO to establish a price for project impacts relating to the presence of the previously unknown features.
13. In the event that an undocumented (i.e., not identified or discovered previously) underground storage tank (UST) is discovered during demolition, the Contractor shall cease work in the vicinity immediately and notify DOE. The Contractor shall propose a path forward to evaluate the area further and resume work. However, the discovery shall remain undisturbed until an investigation has been performed and a course of action is developed and shared with DTSC. Should this situation occur, the Contractor shall segregate costs associated with the discovery of the UST, and shall coordinate with the DCO to establish a price for project impacts relating to the presence of the UST.
14. All field operations will be overseen by DOE, in consultation with the DTSC. DOE will have oversight personnel overseeing day to day operations, including compliance with health and safety requirements. DOE will monitor project progress and provide overall direction. DTSC will have access to the site to monitor compliance with regulatory requirements and to evaluate potential impacts of demolition on the soil investigation.

C.6.3. Management of Demolition Materials and Waste Disposal

The Contractor shall perform the necessary activities for management of demolition materials and waste disposal in accordance with the Contractor's CLIN specific D&D plans. In addition, the following activities shall be performed:

1. The Contractor shall modify the Waste Management Plan to include demolition waste and submit to DOE for approval 90 days prior to commencement of D&D activities.
2. The Contractor shall ship all radioactive waste to a properly permitted and licensed disposal facility based upon the waste acceptance criteria of that facility. Prior to use of a non-DOE waste treatment and/or disposal facility, the Contractor shall prepare an exemption request and receive DOE approval for use of a non-DOE facility for disposal of radioactive waste in compliance with DOE O 435.1, and if applicable, DOE 458.1 Authorized Limits approval documentation.
3. Waste shall be generated, characterized, and packaged per specific waste handling procedures that provide the requirements for loading the waste into containers, recording its description, and completing the waste inventory documentation. All operations shall be performed by trained personnel and in accordance with safety and quality assurance requirements. Containers may be stored at the job site, or be placed in storage at a limited access storage area, pending shipment. Waste may be transferred to the RMHF for size reduction, additional characterization, and storage prior to shipment.
4. There shall be no on-site disposal of demolition waste.
5. Hazardous wastes shall be managed in accordance with Title 40 of the Code of Federal Regulations, Title 22 of the California Code of Regulations, and Chapter 6.5 of Division 20 of the California Health and Safety Code. All hazardous wastes shall be accumulated in closed containers (including lined roll-off bins), tanks, or lined trucks/trailers that prevent the release of any material. Wastes that are hazardous or potentially hazardous shall not be managed using practices such as stockpiling, where the wastes are accumulated outside of lined and closed containers.
6. Segregation, waste compatibility, container labeling, accumulation times, and all other management requirements for hazardous wastes stated in local, state, and federal regulations identified above shall be observed for all wastes as applicable.
7. Once roll-off bins containing hazardous wastes have been filled at the demolition site, they shall be transported only to a staging area that has been designated for that purpose. In all cases, bins containing hazardous wastes shall be transported for off-site disposal within the prescribed 90-day accumulation period as required by RCRA permit.

8. Like all containers of hazardous wastes, roll-off bins shall be kept securely closed, except when wastes are actually being transferred into or out of them.
9. Hazardous wastes that comply with the requirements for Satellite Accumulation Areas as stated in State and Federal regulations may be maintained at the demolition site.
10. Demolition materials determined to be non-hazardous waste and non-radiological material shall be stored, packaged, shipped, and disposed as solid waste in accordance with local, state, and federal regulations.
11. Demolition materials shall be recycled whenever possible and practical in compliance with Ventura County's Ordinance 4357 for construction/demolition debris. DTSC shall be consulted prior to recycling of materials. No materials shall be recycled from radiological facilities.
12. All oil-filled transformers shall undergo verification for the presence of PCBs.
13. All recycling of demolition material shall be carried out in accordance with Chapter 6.5, Article 4 of Division 20 of the California Health and Safety Code and Chapters 11 and 16, Division 4.5 of Title 22 of the California Code of Regulations.
14. During demolition, recoverable metal shall be segregated from other demolition wastes and transported to a metal recycling facility. No materials shall be recycled from radiological facilities.
15. The Contractor shall ensure compliance with the 2010 AOC (Appendix 8) for waste disposition as noted in the Agreement In Principle at page 3.
16. The Contractor shall dispose of all debris from CLINs 00009 and 00010 as low-level radioactive waste or mixed low-level radioactive waste or other out-of-state disposition pathway specifically approved by DOE (except for debris from Building 4019, which has been declared free of contamination).
17. The Contractor shall ensure compliance with the NEPA Environmental Impact Statement and Record of Decision and the CEQA analysis for transportation of waste off-site.
18. The dose rate on both sides of each demolition related, debris-filled truck/roll-off from former radiological buildings shall be monitored and recorded before it leaves the site.
19. No waste from ETEC shall be disposed at the Kettleman Hills disposal site in California.
20. Transportation off-site is controlled to cooperate with local homeowners adjacent to the site and along the access road, Woolsey Canyon Road. The Contractor shall comply with the requirements of the DOE/ETEC Transportation Plan (Appendix 11).

C.6.4. Post-Demolition Activities

The following post-demolition activities shall be performed:

1. Completion of D&D activities shall be consistent with all provisions of the AOC between the State of California and DOE dated 6 December 2010 (Appendix 8), and the NEPA EIS Record of Decision and the CEQA analysis; however, demonstration that the footprint soil (and any required backfill soil) meets the requirements of the AOC will be verified by the U.S. Environmental Protection Agency (EPA) and shall not be within the scope of this PWS.
2. Excavations less than three feet deep shall be re-graded using adjacent soils to restore site surface and ensure proper drainage. Excavated soils shall be stockpiled and used only to backfill the excavation from which they came. The Contractor may use material from an off-site location to backfill deeper excavations. However, the Contractor shall only use backfill material from sources approved by DOE and DTSC. Deeper excavations shall be backfilled to the pre-demolition surface, while ensuring proper drainage.
3. DTSC’s Green Remediation Initiative may be considered as D&D activities are completed and backfill is performed.
4. The Contractor shall prepare a D&D post-demolition report. This report shall include post-demolition maps, field reports, waste characterization information, photographic documentation, and complete copies of the debris/waste documents for recycling and disposal. The D&D post-demolition report for each D&D CLIN will be due within 45 days of completion of the D&D work.

C.7 DELIVERABLES

See Section J, Attachment B entitled “Task Order Deliverables/Submittals.”

C.8 LIST OF APPENDICES

Appendix 1	DOE and Landowner Access Agreement
Appendix 2	Site-wide Water Quality Sampling and Analysis Plan http://www.dtsc-ssfl.com/files/lib_rcra_groundwater/sitewidesap/saps/64788_2010-1202-M489_Site-Wide_WQSAP-F.pdf .
Appendix 3	Listing of Facilities for D&D scope
Appendix 4	DOE Well Conditions Summary (MS Excel spreadsheet)
Appendix 5	RESERVED

Appendix 6	EPA Final Report entitled “Final Radiological Characterization of Soils Area IV and the Northern Buffer Zone” http://www.etc.energy.gov/Char_Cleanup/EPA_Soil_Char.html
Appendix 7	State of California Environmental Protection Agency DTSC 2007 Consent Order for Corrective Action with DOE, NASA, and Boeing
Appendix 8	State of California Environmental Protection Agency DTSC 2010 Administrative Order on Consent for Remedial Action with DOE
Appendix 9	Boeing Facility Transfer Checklist
Appendix 10	List of Required Permits
Appendix 11	DOE ETEC Transportation Plan
Appendix 12	ETEC Interface Matrix