CEHNC-CT-A 9 June 2022

Pacific Region MATOC Contractors

Mr. Carlos Martins, All Phase Services, INC.
Mr. Shane Durand, Central Environmental, INC
Ms. Taylor Dyer, Bhate Environmental Associates, INC
Mr. Rick Marcicki, North American Dismantling Corporation
Mr. Mike Williams, Perma-Fix Environmental Services, INC
Mr. David Frenzel, AHTNA Government Services Corporation
Mr. Donald Patton, Relyant Global LLC

SUBJECT: **PANHES-22-P-0000 003493** Official Request for Proposal for Lowest-Priced Technically Acceptable Task Order, under Pacific Region MATOC, for abatement and demolition services at NASA at Santa Susana Field Laboratory (SSFL), Ventura County, CA. Performance Work Statement Revision 00, dated 30 March 2022.

It is the policy of the US Army Corps of Engineers, Engineering and Support Center, Huntsville (CEHNC) to ensure all MATOC awardees receive fair opportunity for competition of task orders exceeding $3,500. In accordance with FAR 16.505(b)(1)(i) and DFARS 216.505-70(b) all orders in excess of $3,500 are required to be placed on a competitive basis.

One (1) task order will be executed from this Request for Proposal for the Performance Work Statement on a LPTA basis. Please read proposal submission instructions at (Attachment A).

The contractor shall NOT engage into any form of contact with installation personnel/or installation DPW personnel regarding this requirement prior to submission of proposal. Contact regarding the requirements set forth in this RFP shall only occur with the Contracting Officer.

Discussions or information obtained via other sources could make you ineligible for award if deemed a Conflict of Interest or a Violation of Procurement Integrity Act.

Sincerely,

KELLEY.RENEDA.D.1044077511
Digitally signed by KELLEY.RENEDA.D.1044077511
Date: 2022.06.09 12:30:43 -05'00'

RENEDA D. KELLEY
Contracting Officer

Files Transmitted via DoD Safe: N/A

ATTACHMENT A

A. PROPOSAL INSTRUCTIONS:

1. Date of Submission: Proposal shall be submitted by email at your earliest convenience, but not later than **1200, 21 July 2022,** to the names shown in Table 1 below only. All information will be protected as procurement sensitive.

Table 1

Name	Email	Phone	
Reneda Kelley, Contracting Officer	Reneda.d.kelley@usace.army.mil	(256) 895	1136
Darrell Walker, Contract Specialist	Darrell.d.walker@usace.army.mil	(256) 895	1148
FRP proposals inbox	FRPProposalsInboxhnc@usace.army.mil		

2. The offeror shall submit a Firm-Fixed Price proposal to perform abatement and demolition services according to the attached Performance Work Statement.

3. The proposal shall be FIRM FIXED PRICE. The Technical Proposal shall not exceed 20 pages, any pages in excess of 20 will not be considered. There shall be no reference to pricing in the Technical Proposal. To expedite processing of your proposal, the offeror shall provide a signed cover letter with the total price of the project, (including demolition, and abatement, if necessary). Use of (Attachment B) Summary Spreadsheet is required; ensure that you attach all supporting documentation or other spreadsheets to the Summary Spreadsheet to support your proposed price. Contractor shall provide a proposed project schedule using a Gantt chart format. The proposed schedule shall provide an estimated NTP date, mobilization date, and shall detail the sequence of work for each major activity (abatement, demolition, restoration) by facilities or groups of facilities, dependency relationships between activities, and the overall schedule in the task order PWS, to include base work and any/all options. The schedule is not included in the page limitation.

4. Adobe PDF files shall be separated by Volume and identified with offeror's name, volume number and title, proposal date, and solicitation number. When printed, offeror's proposal narrative material shall fit on white 8 ½" x 11" paper with one inch (1") margins on all sides, Time New Roman using 12 point or larger font size, single-spaced. Spreadsheets, tables, charts, etc. may be 11" x 17" but count as two pages. Smaller fonts are permitted on areas of the proposal that will not easily accommodate 12 point font and limited to illustrations, organization charts, and supporting data exhibits.

Legibility, clarity, coherence, and content are more important than appearance. Elaborate brochures or documentation, binding, detailed artwork, or other embellishments shall not be submitted. Footnotes on text pages shall also be in 12-point font.

5. Points of Contact (POC). The contractor is required to identify the primary and alternate point of contacts (POCs) for this effort. Information shall include the POC name, office telephone numbers, mobile telephone numbers, and e-mail address. Details of Corporate experience is not required at the task order level.

6. Proposal will be evaluated on the following relative to the contract Performance Work Statement. **Award will be made based on Lowest Price Technically Acceptable (LPTA), which includes pricing for Base Facilities, and (if applicable) Optional Facilities combined**. Discussion and negotiation between the Contractor and Government may be required.

B. FACTORS to be addressed in your proposal: 1) Technical Approach, 2) Past Performance, 3) Price.

1. Technical Approach: The proposal submitted in response to a task order Request for Proposal (RFP) under the Facilities Reduction Program shall be evaluated for technical acceptability using the following guidelines:

a. The proposal shall be site-specific, not generic. It shall not merely repeat the task order PWS The proposal shall provide a clear, concise, and logical description of the work methods, means, and sequence Contractor intends to use to meet specific requirements of the task order PWS and associated Appendices and Attachments. It should specifically address any atypical structures which will require specialized demolition methods (e.g., structures over 3 floors, basements more than 1 level deep, hardened or extra thick concrete [more than 8" thick], confined space demolition [vault, wind tunnel, or basement interior only], or ACM/ORM abatement with unusual conditions or quantities). Proposal shall include sufficient detail, to include maps and figures, to demonstrate that the Contractor clearly understands requirements of the task order PWS.

b. Contractor shall provide a proposed project schedule, with a clearly delineated critical path, using a Gantt chart format. The proposed schedule shall provide an estimated NTP date, mobilization date, and shall detail the sequence of work for each major activity (abatement, demolition, restoration) by facilities or groups of facilities, dependency relationships between activities, and the overall schedule in the task order PWS, to include base work and any/all options. Maximum durations are contained within the milestone schedule section of the PWS. The Offeror shall not propose shortening durations for Government functions such as reviews, contracting actions, etc.

c. The proposal shall clearly describe Contractor's on-site management and project planning processes through which it will adapt work schedules and processes when encountering changing conditions based on owner needs, site condition problems, and/or weather delays, etc.

d. The proposal shall describe the types and numbers of pieces of equipment Contractor expects to use, describe expected number of personnel by position, identify subcontractors, and provide any information relevant to the evaluation of Contractor's technical ability to perform the required work within the proposed project schedule provided in the task order PWS.

e. The proposal shall indicate the expected diversion rate and indicate whether it will meet diversion goals prescribed in the task order PWS. If the expected diversion rate is less than 60% by weight, the proposal shall describe the reasons for not reaching the expected minimum diversion rate.

f. The proposal shall describe the anticipated quantities and types of materials for diversion/recycling. The proposal shall identify company names, locations, and certifications that will receive diverted/recyclable material. This information may be submitted in tabular form within the technical proposal.

g. The proposal shall describe the anticipated quantities and types of ACM and ORM waste. The proposal shall identify company names, locations, and certifications that will receive ACM and ORM waste. This information may be submitted in tabular form within the technical proposal.

h. The proposal shall describe anticipated quantities and types of non-ACM and non-ORM materials not eligible for diversion/recycling (e.g., materials disposed at landfill, etc.). The proposal shall identify company names and locations that will receive these non-diverted/non-recyclable materials. This information may be submitted in tabular form within the technical proposal.

i. The proposal shall not contain details of corporate or personal experience since all MATOC contractors are already pre-qualified for experience. The names and position held by the expected key personnel shall be furnished in the proposal. Key personnel as prescribed in the base MATOC contract and task order PWS. Proposal shall define dual hatting of personnel within the narrative and shall not conflict with the guidance given in the PWS.

j. The technical proposal shall contain a table at the beginning of the proposal which clearly articulates all assumptions, deviations from PWS requirement(s) to include exceptions to the proposed milestone schedule, and interpretations of regulations that contradict PWS intent.

2. Past Performance: (no submission required) The Government will consider any past performance information in its possession based on previous task orders awarded under this contract. In addition, the Government may review any other source of information for evaluating past performance. Other sources may include, but are not limited to, CPARS (Past Performance Information Retrieval System [PPIRS] merged with CPARS as of 5 May 2019), using all CAGE/DUNS numbers of team members (partnership, joint venture, teaming arrangement, or parent company/subsidiary/affiliate, key subcontractors) identified in the Offeror's proposal, inquiries of owner representative(s), Federal Awardee Performance and Integrity Information System (FAPIIS), Electronic Subcontract Reporting System (eSRS), and any other known sources not provided by the Offeror.

Past Performance will be evaluated using the following rating methodology:

PERFORMANCE CONFIDENCE ASSESSMENTS	
Adjectival Rating	Description
Substantial Confidence	Based on the offeror's recent/relevant performance record, the Government has a high expectation that the offeror will successfully perform the required effort.
Satisfactory Confidence	Based on the offeror's recent/relevant performance record, the Government has a reasonable expectation that the offeror will successfully perform the required effort.

Neutral Confidence	No recent/relevant performance record is available or the offeror's performance record is so sparse that no meaningful confidence assessment rating can be reasonably assigned. The offeror may not be evaluated favorably or unfavorably on the factor of past performance.
Limited Confidence	Based on the offeror's recent/relevant performance record, the Government has a low expectation that the offeror will successfully perform the required effort.
No Confidence	Based on the offeror's recent/relevant performance record, the Government has no expectation that the offeror will be able to successfully perform the required effort.

3. Price: The contractor shall submit a completed Cost Summary Sheet (Attachment B) provided by the government. If there are no costs associated with a particular line-item contract should enter a zero.

The Contractor shall submit a firm, fixed price proposal, which includes all professional labor, wage-grade labor, subcontracts, equipment, materials, supplies, sampling, travel, and any other costs for performance of the work in the task order PWS. Other than the Attachment B, the contractor is not required to provide additional pricing information at the time of proposal. Government will evaluate the price proposals using price analysis techniques to determine reasonableness, realism, and material unbalancing. If proposed pricing appears materially unbalanced, unrealistic, or unreasonable, the Government will not evaluate nor will it be responsible for identifying potential errors in the price factor.

This Task Order is governed by:

Service Contract Act Wage Determination Number.: **WD # 2015-5625**

-and-

Davis Bacon Act General Decision Number: **CA20220015**

Established Per Diem travel rates: https://www.gsa.gov/travel/plan-book/per-diem-rates.

C. SITE VISIT:

Pre-Proposal Site Visit (PPSV) will take place on 23 June 2022 at 0900 PST at NASA SSFL, Ventura County, CA. Contractors must notify the KO/CT Specialist with a list of attendees by 1100 AM CST on 15 June 2022. To obtain access to the installation, contractors must provide:

a. Names as shown on their state-issued driver's license/ID
b. Citizenship status
c. Company affiliation
d. Visit start and expiration dates
e. Purpose of visit: PPSV – FY22 NASA SSFL DEMO

On the day of the PPSV, contractors shall:

a. Proceed to the visitor center located outside of main gate for badging.
b. Point of Contact for NASA SSFL is Jaclyn Fuller / Jaclyn.H.Fuller@usace.army.mil.

COVID 19 REQUIREMENTS for SITE VISIT:
All personnel participating in the PPSV are required to bring the following PPE: safety glasses, hard hat, high-visibility vest or shirt, closed-toed shoes or boots, hearing protection, and face covering. All attendees will abide by the PPSV leaders' direction and stay with the group. Attendees shall not open electrical or other covers/panels and make known to the PPSV leader of any special medical conditions. Attendees exhibiting a fever/not feeling well (self-reported) will not be allowed to attend. All personnel shall attempt to maintain a six-foot distance between other attendees. To the extent practicable, all individuals on DoD property, installations, and facilities will wear cloth face coverings in public areas or work centers.

Note: COVID-19 Restrictions are dictated by State and Local Jurisdictional Authorities, to include NASA POC. GOV will transmit additional COVID-19 restrictions as necessary or if current conditions change

D. OFFEROR'S QUESTIONS AND COMMENTS

All questions and/or comments concerning this Request for Proposal must be submitted via ProjNet Inquiry at http://www.projnet.org/projnet **by 29 June 2022** in order to ensure adequate time is allotted to form an appropriate response and amend the RFP, if necessary. ProjNet will be open on **22 June 2022** and the Government response is due **13 July 2022.** Offerors are requested to review the performance work statement and base contract requirements in their entirety and review the previously released ProjNet questions and answers prior to submission of a new inquiry. Please enter only one question at a time. Do not upload documents with multiple questions.

The Bidder Inquiry Key is: **Z428TM-NPMKU5**

To submit and review bid inquiry items, your company will need to be a current registered user or self-register into the system. To self-register, go to the webpage, click BID tab, select Bidder Inquiry, select agency USACE, enter Key for this RFP listed below, and your e-mail address, click login. Fill in all required information and click create user. Verify that the information on the next screen is correct and click continue. From this page you may view all bidder inquiries or add inquiry. Bidders will receive an acknowledgement of their question via e-mail, followed by an answer to their question once it has been processed.

The call center operates weekdays from 8AM to 5PM U.S. Central Time Zone (Chicago). The telephone number for the Call Center is 800-428-HELP.

E. SPECIAL REQUIREMENTS:

1. Notice to Proceed – After task order award, contractor is not allowed to enter the installation without a written notice to proceed from the Contracting Officer. See Appendix A for NTP requirements.

2. If supplied by the Government, the Contractor shall acknowledge drawings, maps, Site Survey Report, and any other GOV-supplied documentation, in the signed cover letter and indicate in the technical proposal whether any assumptions were made regarding their content.

3. Insurance is required per FAR 52.228-5, INSURANCE--WORK ON A GOVERNMENT INSTALLATION (JAN 1997)

4. FAR 52.236-3 -- Site Investigation and Conditions Affecting the Work.

As prescribed in 36.503, insert the following clause:

Site Investigation and Conditions Affecting the Work (Apr 1984)

(a) The Contractor acknowledges that it has taken steps reasonably necessary to ascertain the nature and location of the work, and that it has investigated and satisfied itself as to the general and local conditions which can affect the work or its cost, including but not limited to
(1) Conditions bearing upon transportation, disposal, handling, and storage of materials;
(2) The availability of labor, water, electric power, and roads;
(3) Uncertainties of weather, river stages, tides, or similar physical conditions at the site;
(4) The conformation and conditions of the ground; and
(5) The character of equipment and facilities needed preliminary to and during work performance.
(a) The Contractor also acknowledges that it has satisfied itself as to the character, quality, and quantity of surface and subsurface materials or obstacles to be encountered insofar as this information is reasonably ascertainable from an inspection of the site, including all exploratory work done by the Government, as well as from the drawings and specifications made a part of this contract. Any failure of the Contractor to take the actions described and acknowledged in this paragraph will not relieve the Contractor from responsibility for estimating properly the difficulty and cost of successfully performing the work, or for proceeding to successfully perform the work without additional expense to the Government.
(b) The Government assumes no responsibility for any conclusions or interpretations made by the Contractor based on the information made available by the Government. Nor does the Government assume responsibility for any understanding reached or representation made concerning conditions which can affect the work by any of its officers or agents before the execution of this contract, unless that understanding or representation is expressly stated in this contract.

(End of Clause)

Appendix A
NTP Checklist

Prior to full mobilization, contractor may request site access to perform certain pre-demolition activities that may assist with the development of work plans, accident prevention plans, and project schedules.

As such, FRP developed the following parameters for allowing requests for partial Notices to Proceed (NTPs).

Contractor shall make every effort to minimize the number of requests for partial NTP.

AT AWARD	
Required Submittals	**Allowable Activities**
Bonds (FAR 28.103-2(a)(4) and 28.103-3, Payment and Performance Bonds)	***Installation Access is not Allowed***
	Home/Office Work
	Work Plan Development
	Accident Prevention Plan Development
PARTIAL NTP TIER #1	
Required Submittals	**Allowable Activities**
Site Visit Abbreviated Accident Prevention Plan	Project Site Access
	Installation Coordination Initiation
	Engineering Assessment
	Project Site Access is not Allowed
PARTIAL NTP TIER #2	
Required Submittals	**Potential Activities (based on AAPP-LS content)**
Abbreviated Accident Prevention Plan for Limited-Scope	Environmental Sampling (ACM/ORM)
	Install Site Security Measures
	Install Erosion and Sedimental Control Measures
PARTIAL NTP TIER #3	
Required Submittals	**Allowable Activities**
	Mobilization

Accident Prevention Plan & Asbestos Abatement Plan	Abatement
FULL NTP TIER	
Required Submittals	**Allowable Activities**
Accident Prevention Plan & Work Plan	Demolition
	Site Restoration
	Demobilization

TASK ORDER PERFORMANCE WORK STATEMENT
FACILITIES REDUCTION PROGRAM
Pacific MATOC FY22 Demolition
NASA – Santa Susana Field Laboratory, Ventura County, California
Phase 6 – COCA Test Area Demolition – Test Stand 4 (2787)

Rev 00 – 30 March2022

1.0 GENERAL STATEMENT OF SERVICES

1.1 Introduction and Purpose. This task order is for a range of commercial demolition services and is issued under the existing Pacific Region U.S. Facilities Reduction Program Multiple Award Task Order Contract (MATOC). All MATOC terms, conditions, specifications, requirements, and guidance apply to this task order. This task order will be awarded to one of the MATOC Contractors on a competitive basis. The purpose of this task order is to support a facilities removal project for NASA at Santa Susana Field Laboratory (SSFL), Ventura County, CA. This is the Phase 6 effort which involves the demolition and salvage of all metal and steel portion of Coca Test Stand No. 4 (2787).

1.2 Location. Santa Susana Field Laboratory (SSFL) is located on 2,850 acres of open, rocky terrain above California's Simi Valley, roughly 30 miles northwest of Los Angeles. The facility opened in 1948 and is divided into four Administrative Areas — Area I through IV. Areas III and IV, most of Area I, and two "undeveloped areas" are owned and operated by the Boeing Company. Area II and a small portion of Area I are owned by the U.S. Government and administered by NASA. After WWII, North American Aviation (later NAA Rocketdyne Division, then Rockwell International, and, more recently, Boeing) began research, development and testing of rocket engines at SSFL, in cooperation with the U.S. Army Air Forces. NASA acquired Area II, consisting of 409.5 acres, from the U.S. Air Force in 1973. A 41.7 acre parcel of Area I, acquired by NASA in 1976, contained a Liquid Oxygen Plant. (The LOX Plant had operated in the 1950s and 1960s in testing liquid-fueled engines.) SSFL is made up of rugged terrain, with rock outcrops forming natural bowls that were ideal for use in engine testing. NASA rocket engine testing took place in Area II at four "test areas" — Alfa, Bravo, Coca, and Delta — each having multiple engine firing positions, known as Test Stands. The Test Stands, built between 1954 and 1957, consisted of open-framed metal structures with concrete foundations and related buildings.

NASA conducted its first liquid-fueled "static" test (the engine being mounted to the test stand, as opposed to being launched) at SSFL in 1962. This would be the first of hundreds of engine tests at SSFL conducted to support the Saturn Apollo Program, which had 33 missions, and ultimately landed a man on the Moon in July, 1969. From 1964 to 1968, much of the Saturn V engine testing took place at the large Coca I and Coca IV Test Stands, which would undergo modifications through the years to meet the needs of larger engines. NASA conducted tests to support the Space Shuttle Main Engine (SSME), the first reusable liquid booster engine for human space flight. Three SSMEs would be used to power each Space Shuttle mission. Coca I and Coca IV Test Stands were used for well over 700 "hot fire" tests — and more than 500 related laboratory tests — on the SSME from 1973 to the last test at Coca in 1988. All Test Stands at SSFL had been taken out of service by 2006.

All of the requirements of this action will fall within NASA Area II.

1.3 Security Requirements. The Contractor shall comply with all SSFL entrance and security requirements. SSFL Security is controlled by Boeing Corporation and it is their access agreement through which NASA and their contractors may enter the site. A copy of a blank access agreement is attached as Appendix I – Boeing Access Agreement. The Contractor shall vet and clear all employees, including subcontractor employees, for criminal warrants before an employee will be allowed to enter SSFL. All personnel entering SSFL will be required to be U.S. Citizens or documented Green Card

holders. Government issued Picture ID will be required to gain access to SSFL. Individuals who will work for extended periods on the site will be required to complete a NCIC background investigation and may be required to attend orientation at Jet Propulsion Laboratory (JPL) in Pasadena.
NOTE: The proponent for this project is NASA, and as such the Army AT/OPSEC security requirements do not apply.

2.0 OBJECTIVE
The objective of this Performance Work Statement (PWS) is to plan and complete the removal of facilities and infrastructure at **SSFL, Ventura County, CA**. See paragraph 3.7 for a list of facilities to be demolished. The demolition will include, but is not limited to, the abatement/removal of asbestos containing materials (ACM) and other regulated materials (ORM), disconnect/capping of utilities, complete removal of utilities (above and below grade), disposal of all debris materials, and restoration of the site to a specified condition. Since originally constructed, the facilities have likely been refurbished and renovated on occasions in the past 50 years. Following demolition, the Contractor shall be responsible for restoring all work sites with respect to grading and proper drainage as specified in the approved Stormwater Pollution Prevention Plan (SWPPP) for that particular area of work within SSFL. All work associated with this effort will be contained with the area defined as NASA Area II, or a very small area immediately adjacent to Area II.
3.0 DETAILED DESCRIPTION OF SERVICES
3.1 General Requirements. All work performed by the Contractor shall be designed and implemented in a manner that conforms to the requirements in the FRP Pacific Region MATOC, this PWS, all applicable Federal, and state and local regulations; and all accepted Work Plans and submittals. If there is a conflict between Federal, state, and local regulations and the PWS, the Contractors shall immediately inform the Contracting Officer. The Contractor shall present a complete description of the planning and demolition process as applied to the subject facilities and structures. All demolition work designed/planned by the Contractor shall be reviewed/accepted by a certified Professional Engineer (PE). The PE will stamp the Demolition Work Plan to satisfy this requirement.
3.1.a. Priority of Work. The priority of work is the complete demolition and salvage of all metal and steel associated with Coca Test Stand No. 4(2787).
3.2 Hazardous Waste Operations (HAZWOPER) Certification. This demolition project does not qualify under CFR1910.120 as a Hazardous Waste Operation, but other contractors are conducting Hazardous Waste Operations within the SSFL boundary. All personnel working on-site at Santa Susanna Field Laboratory must have the OSHA 40-Hour HAZWOPER Certification, and associated current 8-Hour Annual Refresher. This is a requirement of NASA and Boeing for all personnel physically working on SSFL. This does not include personnel who are Project Management Oversight, Clerical, or others (who never leave the cantonment area), or delivery and trucking personnel who arrive at the site, drop, deliver or pickup materials, supplies, samples, etc., and then immediately leave the site. All personnel shall provide CEHNC KO, PM, and NASA On-site personnel a copy of these Certifications and Refreshers in an electronic format, and shall maintain a single hard copy on-site at the job trailer for reference and audit. This record shall be maintained on a weekly basis, as personnel arrive and depart from the site as abatement, demolition, and site restorations activities progress throughout the project.
3.3 NASA and Boeing Access Agreement –Site security is controlled by Boeing Corporation The FRP Contractor is considered a NASA Party, and as such all parties shall sign an Access Agreement with Boeing for access to the Santa Susana Field Laboratory site. The Access Agreement is provided in Appendix I. Requirements may include but are not limited to: 30-day notice of cancellation on all policies; Listing deductible or SIR on all policies; Cross Liability/Separation of Insured parties; MCS 90 on Auto if hauling waste.

The Party whose Authorized Activities allegedly caused the violation of applicable environmental statutes or regulations will promptly at its own cost and expense, perform any necessary action to address such violation and pay any related fine or penalty issued by the governmental authority. If a Party is issued a violation notice assessing fines or penalties by a governmental authority as a result of the spill or release caused by the other Party in performing the Authorized Activities, the Party who received the notice may submit those penalties to the other for reimbursement (Boeing may submit its request for reimbursement pursuant to Paragraph 22.d).

If any of NASA's (and therefore the contractor's) activities at the SSFL cause or may result in a noncompliance or violation of laws or regulations applicable to Boeing (including any Boeing permits), NASA will cooperate with the appropriate government representatives to address any such compliance issues, and pay for any associated corrective actions. If Boeing performs the corrective actions, Boeing may submit the costs to NASA for reimbursement pursuant to Paragraph 22.d.

If either Party's activities in the Access Areas cause the other Party to violate any of its Permits, the Party holding the Permit shall immediately notify the other Party both orally and in writing of the specific permit requirement and the particulars of the activities causing such alleged violation. The notifying Party will provide the other Party the opportunity to be involved in any discussions with the relevant government agency regarding the alleged permit violation. The Party whose actions allegedly caused the permit violation will promptly, and at its own cost and expense, perform any necessary action to address such violation and pay any related fine or penalty issued by the governmental authority. If any NASA Party causes a violation of any Boeing Permit for which Boeing incurs a fine or penalty, Boeing may submit the fine or penalty related to the violation of the Boeing Permits to NASA for reimbursement pursuant to Paragraph 22.d.

Property Damage: If the Authorized Activity of a Party or its representatives, agents, contractors and subcontractors causes material damage to or destruction of the other Party's real property at the SSFL, such Party agrees to, at its own cost, promptly repair or have repaired, or reimburse the cost to repair, such real property to its preexisting condition or as close thereto as reasonably possible. Costs incurred by Boeing in connection with the repair of damaged or destroyed Boeing real property caused by any NASA Party may be submitted to NASA for reimbursement pursuant to Paragraph 22.d.

3.4 On-Site Personnel/Key Personnel

3.4.1 Required - For this action, the following minimum personnel, to include the Project Manager, Site Superintendent(s), and the Site-Safety and Health Officer, shall be on-site daily for this project, and shall be housed within an operational Job Site Trailer supplied by the FRP Contractor. These personnel shall be Prime Contractor Employees, and have been employed with the Prime for at least 1-year, in the proposed position of responsibility. None of these three personnel may dual hat among themselves. The Project Manager may be dual-hatted as the Quality Assurance Officer. However, the contractor must request in writing to the Government for special consideration if they wish to propose any other dual hat functions. The Job Site Trailer shall be of sufficient size to accommodate all FRP Contractor key personnel, and include an office with desk, chair, electrical power, etc. for a single USACE Quality Assurance Representative.

3.4.2 Essential and Readily Available personnel. While the following persons are not required to be on site on a full time basis, they shall be readily available to the FRP Contractor to handle any on-site situation requiring their expertise and shall be able to respond to actions and occurrences of events while abatement, demolition and site restoration activities are occurring

3.4.2.a Waste Manager shall be readily available to handle environmental spills, containment, clean-up, storage, disposal, and reporting required by the State of California or Federal government. This person shall be prepared with the proper certification, equipment, materials, labels and documents to handle all waste associated with this demolition, and equipment used in demolition. The person shall be intimately familiar with Waste Management within the State of California, and more specifically Santa Susana Field Laboratory. Other duties such as supervising the transportation of waste to ensure that it takes place efficiently without contaminating air, land or water sources; ensuring compliance with current legislation in the transportation, handling and disposal of waste; collating statistics and compiling reports often to strict deadlines; monitoring the quality and performance of waste services, including contract management of external providers; aiming to meet waste reduction and recycling targets; assist NASA in dealing with enquiries and complaints from members of the public both in person and by phone or email.

3.4.2.b State of California Storm Water Pollution Prevention Professional (Qualified Stormwater Designer). This person shall be designated in the proposal and work plan. This person is the responsible agent for the FRP Contractor to ensure that all SWPPP and National Pollutant Discharge Elimination System (NPDES) permit requirements, from development, approval, implementation and maintenance are in compliance at the site. This person shall also ensure that all appropriate Best Management Practices (BMPs) are employed, and that any change or modification to the SWPPP is implemented in a timely and efficient manner. This person shall, acting on the part of the FRP Contractor, be responsible for processing any fines or violations levied by the State of California, Environmental Protection Agency or other Governmental Agency.

3.4.2.c State of California Certified Biologist. This FRP contractor shall ensure that all of the State and Federal requirements are met for plants, animals of concern and bird habitat. The Government will provide a separate Quality Assurance Wildlife Biologist who will conduct the baseline survey and will, on a periodic basis, conduct other surveys in the interest of the government. However, the FRP Contractor is responsible for ensuring all the requirements of the State of California and other Federal regulations for migratory birds are met. This person shall be the primary POC for the FRP Contractor when dealing with the State of California Fish and Wildlife Service.

3.4.3 Air Monitors. In accordance with the Ventura County Air Pollution Control Board, the contractor shall provide air monitors as per Rule 54 – Sulfur Compounds. This rule is applicable to any person who discharges sulfur compounds into the atmosphere from any source whatsoever.

3.5 Preparation of Work Plans and Related Documents. Work Plans are a significant quality element of the work. The Contractor's performance with respect to Work Plans will be rated in the

Quality Assurance process. Work Plans are to address the specific needs of the task order. The inclusion of standardized processes in the technical descriptions is acceptable. Generic documents that do not address the site specific needs will be found UNACCEPTABLE. The Contractor shall highlight all revisions within the Work Plan subsequent to the initial submittal. A "Changes List" shall be placed at the front of the document and updated for each re-submittal

Following award of this task order, the Contractor will have an on-board site visit and meeting with USACE (Huntsville Center and Los Angeles District), NASA personnel (On-Site and Off-Site), and others to discuss the development and subsequent review and approval milestones of the project Work Plan, schedule and other pertinent and required permits, SWPPP, etc. The Contractor will then prepare and submit for acceptance a set of Work Plans and Related Documents, including but not limited to lift plans if required. This PWS allows 45 work days following award of the Task Order to prepare the initial work plans and submit them to USACE and NASA for review. More detailed schedule elements are shown in Par. 4.0 – Schedules and Submittals. The Contractor shall take full advantage of the Work Plan preparation period to further refine/identify available markets and landfill resources in the general area in order to develop the Diversion/Recycle Plan such that the maximum cost effective re-use/disposal of this facility is obtained. In addition, these plans and documents will be prepared in accordance with all applicable Federal, state, and local regulations, the instructions and guidance in the basic MATOC, and this task order PWS. The Contractor shall incorporate information and data from the pre-proposal conference site visit, the Pre-Demolition Environmental Survey(s), responses to submitted questions (post site visit), the on-board site visit and other documents as available. .

3.5.1 Site Specific Demolition Work Plan. The Work Plan shall be submitted in accordance with the requirements of DID FRP-11-001 and the specific requirements of this PWS and shall be bookmarked in Adobe. The Demolition Work Plan will include the various sub-plans necessary to support/prosecute the work, e.g., Diversion/Re-Use Plan, Asbestos Abatement Plan, Lift Plan, etc., as well as the plans listed below. A detailed project schedule providing abatement and demolition timelines by structures or groups of structures, restoration of sites by individual site or groups of sites, and a projected completion date shall be included in the Work Plan. The Work Plan shall clearly identify the Key personnel planned to be associated with the Task Order, their qualifications, and accompanying resume and any necessary certifications to support the assigned duties. Sequencing of the work and specific work methods/processes shall be fully described such that the Government can readily understand how the Contractor will perform the individual tasks by building or groups of buildings, or progression through the project.

Initially, the Work Plan for the abatement and complete demolition of Bravo Area shall be developed by the contractor and reviewed and accepted by the government. This specifically relates to Safety, Methods and Procedures for handling large overhead structures and quantities of materials for testing, recycling, and manifesting of those materials for re-use or removal from the site. The Work Plan will specifically address the mitigations and processes required to meet the requirements specified with the (Santa Susana) Record of Decision, Environmental Impact Statements and Public Announcements that apply to the specific work area. These documents can be found on the internet. Most will be provided by the government; the contractor should be familiar with these documents and their requirements prior to submitting a proposal.

3.5.2 Accident Prevention Plan (APP). A site-specific health and safety plan developed in accordance with U.S. Army Corps of Engineers Health and Safety Requirements, manual EM 385-1-1. The APP will include a complete site-specific Activity Hazard Analysis (AHA) for each activity of the work. Refer to Pacific FRP MATOC PWS Sections 1.11 and 5.5.1, as well as Technical Exhibit 4 for requirements and instructions. (APPENDIX E of DID FRP-11-001).

In particular, the Contractor shall develop as part of the APP, specific requirements for any **"lift plan(s)"** needed to remove vessels, equipment, trusses, or other items that require use of a crane or other Load Handling Equipment or lifting device that may cause hazards to personnel or structures as per EM-385-1-1. A specific hazard analysis for each location/type of lift shall be provided, including layout drawings, lift arcs, etc. As part of this effort the Contractor will be required to acquire NASA SSFL Hot Work permit(s). These shall incorporate all applicable NASA, Marshall Space Flight Center (MSFC), SSFL and Ventura County Fire Department Hot Work requirements. Contractor shall complete the form and have the permit signed by COE QA; the QAR/contractor will submit the Hot Work permit application to NASA SSFL and then, notify Boeing of hot work as it occurs (day before or day of).

In addition, NASA requires that contractors (a) apply for/receive a Ventura County Fire Code Permit for Hot Work and Cutting; and (b) contact the Ventura County Fire Department to visit the work location.

3.5.3 Contractor's Quality Control Plan (CQC). Prepare a CQC Plan per requirements and guidance in Pacific FRP MATOC PWS Sections 1.9 and 5.6. (APPENDIX E of DID FRP-11-001)

3.5.4 Explosives Safety Submission (ESS). An ESS is not envisioned for this demolition. However, if the Contractor proposes blasting as part of the demolition effort for this project, it will be specifically addressed in detail within the Proposal, as well as within the Work Plan, prior to approval or NTP for field efforts. This is not a recommended method of demolition.

3.5.5 Storm Water Pollution Prevention Plan (SWPPP). In accordance with State regulations, the contractor is required to prepare a SWPPP for their work area(s) and submit it/them to the on-site NASA personnel and the State of California for acceptance and approval, respectively. The contractor shall coordinate with on-Site NASA representatives to implement and work with existing project specific SWPPPs which may be in place at SSFL for other projects, by other Contractors. The government reserves the right to issue demolition NTP for non-ground disturbing activities prior to SWPPP approval by all parties. The contractor must have the SWPPP approved prior to ground disturbing activities. The Hydro-Mulch and Seeding specification are listed in Appendix H, within this document.

3.5.6 Survey & Report of Bird Species (Determination of Nesting within Buildings/Structures):

The contractor shall perform a survey and prepare a report of findings and bird avoidance plan prior to initiation of abatement and demolition activities. The nesting zone extends 50-feet from any active nests. The survey, report, and plan must be completed and prepared by a qualified wildlife biologist. The contractor shall schedule the survey within the first month after Award of the Project, with the completion of the report of findings (to immediately follow) to be completed prior to initiation of the demolition of structures or any activity that could disturb nesting birds. All work associated with this PWS must be in compliance with the Migratory Bird Treaty Act. The FRP Contractor becomes immediately liable for any abatement and demolition delays caused by nesting birds, upon the date of the field survey, which shall occur long before the annual nesting season in the Spring for migratory birds.

The contractor shall implement the following Standard Operating Procedures (SOPs) within their demolition program, as follows: migratory bird species have been known to nest both inside and outside the older buildings on the installation. Bats may also be roosting within these buildings. Therefore, prior to their demolition, a certified wildlife biologist shall survey the buildings according to survey protocol for the appropriate species to determine the presence of nesting migratory birds, any bat species or any species of concern. Upon the conclusion of the survey, a report of findings (with species type/s and estimated quantities of birds, bats or other species) is required to be provided to the USACE Project Manager for review and determination by the NASA Environmental Office for species presence. In the event there is presence of any migratory bird or special status bat species, building

demolition shall be limited to the appropriate season or precautions shall be taken to protect the species. Note that the Government provided biologist is not local, and requires about five days advanced notice if his/her presence is required.
No demolition or related activities can occur until the young have fledged from the nests. The Contractor shall not perform removals of active bird nests during the nesting season timeframe as breeding migratory birds are protected. Where non pest mammals are present, the contractor shall ensure that a professionally licensed animal control specialist is required to perform a "live-trap" and removal. In the event that there would be a need to remove and/or disturb existing bird nests (during the breeding season), the contractor shall first coordinate with the designated USACE Contracting Officer (KO), USACE Contracting Officer's Representative (COR), and NASA Environmental Office prior to initiating coordination with the United States Fish & Wildlife Services (USFWS) and the California State Department of Fish and Wildlife (DFW) to consult on compliance of the Migratory Bird Treaty Act (MBTA).
3.6 Project Schedule and Site Work Activities. Following acceptance of the Work Plans and related documents, the Contractor will be directed to execute the contract award PWS. The demolition project shall include, but is not limited to, the following requirements:
3.6.1 Mobilization/Demobilization and Site Setup.
a) Includes travel and transport of labor, equipment, and materials to work site, security, in-processing, and site orientation.
b) Installation of storm water protection system and installation of temporary safety fencing will be required and must be compatible with the storm water system installed and operated by Boeing, and shall be in compliance with the contractor's approved SWPPP.
c) The Contractor shall be responsible for all utility disconnect(s), along with cutting and capping of all utilities, and complete removal of all above or below grade utilities within specific areas. The outages caused by these activities shall be specifically coordinated through the on-site USACE representative. That individual will coordinate with all SSFL tenants during weekly SSFL multi-agency meetings. The Contractor shall be responsible for coordinating 10 days in advance of the milestone date required based upon demolition schedule. These milestones will be documented within the Work Plan schedule as part of the NTP, and shall be validated with NASA On-site personnel at the time of the Kick-Off Meeting for Field Activities. Coordination with the NASA On-Site POC is mandatory.
d) For this project the FRP Contractor will be responsible for removing **transformers** located within a given demolition site. This includes ground and pole mounted transformers. Coordination of this will be accomplished through coordination with NASA SSFL and Boeing Site Management. The FRP Contractor will be responsible for any additional testing, if required, above that supplied as part of the ACM/ORM Surveys provided by Great Southern Engineering, Inc. or other ACM/ORM Reports. Due to the 2018 fires (Woolsey) many of these transformers and poles may have been replaced, and any live transformers will likely remain on-site. **Manifesting shall be handled through NASA SSFL – Mr. Peter Zorba.**
e) All utility lines shall be removed entirely, as defined by the specific work/site area polygon, in the requirements in Par. 3.4. The exception is for specific areas/equipment identified to keep some form of permanent power during/after this project.
3.6.2 <u>ACM Abatement and ORM Removal and Disposal.</u> Remove all (identified either in Government-provided surveys or during the pre-bid site walk inspection, and/or encountered during contract work activities) ACM present in or on the facilities to be demolished. All ACM will be abated per Federal, state, and local guidelines and regulations. The Contractor shall check and verify all dimensions and quantities prior to submission of their proposal and assume full responsibility for the accuracy thereof. The Government provided Pre-Demolition Environmental Survey contains information regarding the current condition of the facilities to be demolished, the amounts and types of

ACM that can be expected and the lab results from the tests done during the Pre-Demolition survey. Drawings, surveys, and reports provided by the Government are provided as references and to aid the asbestos abatement and hazardous materials (including but not limited to lead based paint) removal design for this project. The Government makes no warranties or guarantees, implied or otherwise, regarding the quantities of ACMs provided as these are estimates based on professional judgment during on-site review of facilities and preparation of reports. The Contractor is responsible for preparing all drawings/building maps needed to meet regulatory requirements that show locations of ACM and Other Regulated Materials (ORM).

ORM (including, but not limited to: PCB-containing light ballasts, mercury-containing light tubes, mercury-containing thermostats, and self-actuated fire alarms, tritium/radium exit signs, etc.) that are identified as a danger or safety issue shall be removed and disposal performed prior to demolition. The contractor shall remove and dispose of ACM and ORM in accordance with Federal, state and local regulations. Coordination will be required to be made with the NASA On-Site POC at SSFL**.**

Manifesting will be handled through NASA SSFL – Mr. Peter Zorba. Waste must be coordinated with the NASA Waste Manager for storage in 90-day Storage facility, which is located with Area II of SSFL, immediately adjacent to the north end of the Bravo Test Area road.

3.6.3 Demolition. Except where specified or reserved by the Government, all items and objects, materials, and equipment, that are on or inside the demolition polygon specified for each respective area at the time of mobilization are the property of the Contractor and shall be removed from Government property. Specifically:

a) Interior and exterior equipment and machinery whether attached to the structure or free-standing.

b) Exterior pole-mounted lights, poles and other equipment within the site polygon.

f) The contractor shall demolish and remove all ancillary items associated with each structure to be demolished. Structures are included within given demolition areas, and the extent of ancillary removal and subsequent site restoration is defined by each given demolition area. These areas are all inclusive and do not have the USACE typical 15-foot boundary. This includes overhead conveyance systems, unused utilities, walkways, utility poles, fences, metal or wooden stair cases, utility corridors, etc. In summary, the contractor shall remove anything that is manmade, except for concrete footing and foundations, and any drainage flumes and stabilization shot-crete.. This removal shall include all equipment and control systems located within around and within the associated Test Stand.

g) The contractor shall install temporary protective barriers for each respective demolition area, and then remove them when the FRP QA permits.

3.6.4 Debris Disposal/Diversion. The Contractor shall manage wastes and debris in accordance with the government accepted Waste Management Diversion Plan. The contractor shall dispose of debris generated by this work action at an accepted commercial landfill. Suitable materials that meet standards for re-cycle/re-use may go directly to an identified re-cycling facility, direct sale to the public, direct conveyance to non-profit organizations, or by auction or any combination thereof. If an auction process is used, the location shall be outside the boundaries of SSFL. Upon acceptance of the recycling/re-use analysis presented in the Waste Management/Diversion Plan the Contractor shall recycle materials and submit proof of recycling/diversion in the monthly and final reports.

NOTE: Contractor shall provide a mobile truck scale for operations on site. All loaded dump trucks shall be weighed and recorded on the log form before going down Woolsey Canyon Road. Copies of Truck weight tickets shall be provided weekly to on-site QA representative, and accounted for in Monthly Report electronic file (see Par. 3.5.2.d.). A truck log form is provided in the appendix J.

3.6.5 Site Restoration and Final Cleanup. Following completion of the demolition effort, the Contractor shall clean and restore the area as indicated in section 3.3.3 and Technical Exhibit 7 of the Pacific MATOC for specifications on backfill and site restoration. At SSFL, all fill materials must meet specific land use (LUT) screening values. Compaction shall meet the specifications for backfill of

soils. The Contractor shall blend and grade the backfill materials into the surrounding grade to ensure that there is some limited (minimal) ponding and to prevent drainage (runoff) from the area. The Contractor is responsible for management of the permitted surface water protection controls until the clearance of the Contractor's agreement with the SWPPP is complete and closed for each specific demolition area. The hydro-Mulch and Seeding specification are listed in Appendix H, within this document.

3.6.5.1 Option 1 – Asphalt Roadway Replacement The contractor shall replace segments of roadway within Area II, which will include the removal of the old asphalt, filling and smoothing of original base course as required by previous removal of old asphalt. Then the placement of new asphalt through hot mix placement method, to a depth of 4" thick (2 – 2" lift of asphalt concrete.) This option will involve the whole roadway width of the given road section and shall be awarded based upon a length and width (minimum 12-foot width by minimum 50-foot length [66 square yards minimum per segment), but generally will be segments 24-foot wide, by several hundred feet long roadway segments. The units will be in square yards of pavement included within a given length and width of roadway. General specification will follow CALTRANS Asphalt Pavement Specifications, and match the thickness and density of the existing road being replaced.

3.6.5.2 Option 2 – Asphalt Roadway Repair/Patch The contractor shall remove damaged asphalt pavement within Area II, which will include the removal of the old asphalt, filling and smoothing of the original base course as required by previous damage and removal of old asphalt. The repair may be accomplished through either cold or hot patch method and will include the placement of new asphalt to a depth of 4" thick (2 – 2" lift of asphalt concrete.) The units will be per square yard of pavement repair/patch, within or along existing roads. General specification will follow CALTRANS Asphalt Pavement Specifications and match the thickness and density of the existing roadway being repaired.

3.6.6 Salvage Credit. A change in value of salvage and recyclable materials over the course of the contract, shall not be considered a change of conditions and a reason to request a change order modification. **The Contractor shall provide a table of the anticipated salvage value and quantity of material to be salvaged for each numbered facility or demolition work area in the bid proposal. The total salvage value of all materials sold, or salvaged, shall be shown on the bid proposal.**

3.7 Facilities to Be Demolished.

3.7.1 Base Demolition Requirements –

Structure 2787 (Area II, Structure 787) – Coca 4 Test Stand, 3 below Grade Levels, 4 above Grade Decks

This demolition efforts are primarily for the demolition and recycling of all of the metal and steel structure, along with all associated tanks, vessels, and apprentices associated with this particular test stand, contained within the polygon conveyed in Figure 1, below.

Figure 1 - COCA Test Stand 4 Removal Area

- All Ground Water Monitoring Wells on the site shall be protected during all demolition activities. Ground Water Monitoring Wells that are damaged or destroyed during activities by the FRP Contractor associated with this task order shall be replaced to like new condition by the FRP Contractor at no cost to the Government.
- After the 2018 Fire many of the primary power poles within this area were replaced with new poles and lines. None of these poles or primary power lines will be removed as part of this requirement.
- Bird Nesting – The FRP Contractor will be liable for any delays associated with nesting birds, once award of this project and associated bird nesting finding is accomplished, and submitted to NASA and USACE. The FRP Contractor will have access to the site immediately after award following the initial Kick-Off Meeting, and any associated on-site awareness training, for the biologist to access and plan for the management of nesting birds.

3.7.3 Areas Excluded from Demolition - Contractors should be aware that there may be other areas not included in this contract because of their proximity to areas designated as culturally significant and historically significant. Those individual small sites are not shown on these figures, but will be discussed specifically on-site, prior to demolition activities occurring near or in these areas. Consultation with cultural and natural resources will be coordinated through Mr. Peter Zorba, in advance of any field activities. This may also involve daily or weekly monitoring, by the cultural and natural resources POC, during any excavation activities adjacent to these areas.
See Appendix B – Detailed Site Notes for further description of requirements, restrictions, and site restoration requirements.

3.8 Contractor Reporting.

3.8.1 Weekly Status Updates. The contractor shall submit a weekly status report, and participate in weekly on-site NASA SSFL meetings, and provide minutes to those meetings to all attendees within five calendar days of the meeting. The status report will be provided on the day after the weekly on-site NASA SSFL meeting, or the first working day of each week, if meeting is on Friday. These weekly status updates shall include, at a minimum:

a) A summary of work completed in the field, permit status, and any significant events.

b) The Contractor shall provide a copy of all weight tickets for project debris transported to a commercial land fill.

Contractor shall provide the volume and location of any hazardous wastes that are stockpiled onsite and awaiting transportation off-site. The contractor shall properly label containers IAW state and federal regulations. Contractor may need to work with NASA SSFL staff to use their 90-day storage area or to establish satellite hazardous waste storage area(s) based on the materials being handled. These will require special Professional Engineer design/inspection as per the State of California.

c) At least one progress photo (in electronic format) per **building, structure or activity and that depicts major work activities accomplished** during the reporting period shall be provided in each weekly report.

d) Copies of daily field logs shall be provided to the QAR either electronically or via hard copy. At minimum, field logs will include a summary of workers by classification, the move-on and move-off of construction equipment, materials and equipment delivered to the site, and total cumulative hours worked.

e) As generated, all third party Air Monitoring Reports, Biologist Reports and SWPPP Monitoring Reports shall be provided directly to the USACE Quality Assurance Representative and PM.

f) The contractor is required to project the next week's number of truck loads expected to transit down "the hill" at least one working day before the week's work is to begin. This will be used by NASA to coordinate trucking with the other operators (Boeing, DOE, other contractors) at the site.

3.8.2 Monthly Progress Reports. The Contractor shall submit a monthly Progress Report in accordance with MATOC Technical Exhibit 3, not later than the tenth day of the month, and according to the distribution and quantities in paragraph 4.2.3 below. These monthly Progress Reports shall address the following:

a) A summary of work completed in the field with respect to all schedule milestones. Annotate and explain all deviations. Denote anticipated or actual delay of a scheduled field activity, to include basis and any effect on subsequent events or scheduled activities.

b) At a minimum, as pay estimates are generated, the contractor shall provide updated schedules in MS project (version 2003) and as a pdf.

c) Any outside inspection reports, audits, or other administrative information developed/completed or anticipated.

d) Copies of all Quality Assurance Data, sampling and test results and any other laboratory deliverables received, if any.
e) Documentation of material recycling including receipts of recycle centers, proof of concrete crushing and re-use on-site. Project photos are acceptable provided a sufficient explanation is attached. The Contractor shall provide an electronic spreadsheet with manifesting logs and weight ticket data in an excel spreadsheet. The spreadsheet will be updated on a monthly basis and provided with the monthly report.
f) Safety information as required in these specifications.

3.8.3 Final Report. The Contractor shall provide a final report no later than 10 working days after completion of project base. Options awarded under this task order will likewise have a Final Report produced no later than 10 working days after completion of the given Option. The final report shall include a detailed description of work performed and lessons learned (DID FRP 12-001(Rev 01 dated 08-13-13) Technical Exhibit 3, MATOC). A summary of the disposition of all project debris materials as described and organized in Table 2 on page 15-16 of the "*Requirements for Sustainable Management of Waste in Military Construction, Renovation, and Demolition Activities*," dated July 2006. The summary detail will include the quantity and type of debris materials recycled, salvaged, reused, and disposed of and shall be presented in chart form showing original material quantity estimated, quantity recycled, percentage recycled, and approximate cost or cost savings versus a commercial landfill alternative.

3.8.4 Resident Management System. The Government will use the Resident Management System for Windows (RMS) to assist in its monitoring and administration of this task order. The Contractor shall use the Government furnished Construction Contractor Module of RMS, referred to as QCS, to record, maintain, and submit various information throughout the task order period. The Contractor module, user manuals, updates, and training information can be downloaded from the RMS web site: http://www.rmssupport.com/qcs/default.aspx.
The user name is *qcsmaster* and the password is *masterkey*. This joint Government-Contractor use of RMS and QCS will facilitate electronic exchange of information and overall management of the contract. QCS provides the means for the Contractor to input, track, and electronically share information with the Government in the following areas: Administration, Finances, Quality Control, Submittal Monitoring, Scheduling, and Import/Export of Data.

3.8.5 Contractor Man-Hour Reporting. The Office of the Assistant Secretary of the Army (Manpower & Reserve Affairs) operates and maintains a secure Army data collection site where the contractor will report contractor manpower information (including subcontractor manpower information) required for performance of this contract. The contractor shall submit all the information required in the format specified at the following web address:
https://cmra.army.mil/default.aspx
Contractors shall fill in all required fields on the website.

4.0 SCHEDULE AND SUBMITTALS

4.1 Schedule. Unless authorized by the Contracting Officer, the Contractor shall be required to perform all work within the following schedule (days are working days). The Contractor shall assume all federal holidays, and the eight day between 25 December and 1 January as non-working days. Final schedule will be based on Contractor's proposed schedule.

NOTE: THE CONTRACTOR IS NOT AUTHORIZED TO MOBILIZE TO THE SITE WITHOUT ACCEPTANCE OF THE CONTRACTORS' WORK PLAN, WHICH WILL CONTAIN THE ASBESTOS ABATEMENT PLAN, ACCIDENT PREVENTION PLAN, AND OTHER DEFINED SUB-PLANS AND CONTRACTING OFFICER'S WRITTEN NOTICE TO PROCEED.

SCHEDULE

		Total number of Working Days after contract award		
Item	**Description**	**Start**	**Finish**	**Duration**
1	**Task Order Award - Milestone**	0	1	1
2	**Submit Work Plan/Related Documents and Bonds**	2	46	45
3	**Review Work Plan/Related Documents**	47	61	15
4	**Re-Submit Work Plan/Related Documents**	62	71	10
5	**Review and Acceptance of Work Plan and Related Documents**	72	81	10
6	**Process/Issue Abatement and Demolition NTP**	82	86	5
7	**10 Day Site Notification/Mobilization**	87	96	10
8	**Abatement and Demolition**	97	276	180
9	**Site Restoration and Demobilization**	277	296	20
10	**Closure of Permits**	297	326	30
11	**Submit Final Report**	327	346	20
12	**Review Final Report**	347	361	15
13	**Re-Submit Final Report**	362	371	10
14	**Acceptance of Final Report**	372	381	10
15	**Contract Close Out**	382	441	60
				441

4.2 Submittals.
4.2.1 General Submittal Requirements.
a) Distribution. The Contractor is responsible for reproduction and distribution of all documents. The Contractor shall furnish four CD copies of submittals to the Project Manager. The Contractor shall furnish copies of submittals to the addressee, who is the CEHNC Project Manager assigned to this task. Submittals are due at the addressees not later than the close of business on the dates shown in paragraph 4.1.
b) Partial Submittals. Partial submittals will not be accepted without prior written authorization of the Contracting Officer.
c) Cover Letters. A cover letter shall accompany each document and indicate the contract number, project, project phase, the date comments are due, to whom comments are submitted, the date and location of the review conference, etc., as appropriate. (Note that, depending on the recipient, not all letters will contain the same information.) The contents of the cover letters should be coordinated with the CEHNC PM prior to the submittal date. The cover letter shall not be bound into the document.
d) Reproducibles. All submittals shall be provided on CD in Microsoft Word or Adobe PDF (bookmarked) format and in compliance with DID Preparation of submittals and work plan.
e) Mailing Address. All Submittals shall be submitted in CD format to the U.S. Army Corps of Engineers, Engineering and Support Center, Huntsville and shall be mailed to the address below:
CEHNC Project Manager (PM):
Department of the Army
U.S. Army Engineering and Support Center, Huntsville
5021 Bradford Drive NW, Suite B
ATTN: CEHNC-ISP-FRP (Jaclyn Fuller)
Huntsville, AL. 35805
256-895-8131Mail to: Jaclyn.H.Fuller@usace.army.mil

CEHNC Contracting Officer (KO):
Department of the Army
U.S. Army Engineering and Support Center, Huntsville
ATTN: CEHNC-CTA (Ms. Reneda Kelley)
P.O. Box 1600
Huntsville, AL 35807-4301
(office) 256-895-1136
Mail to: Reneda.D.Kelley@usace.army.mil

4.2.2 Table of Submittals. The following table contains a list of submittals and/or samples required to be provided by the Contractor. Additional guidance and direction for submittals is provided in this Task Order, the MATOC (basic contract), and the Technical Exhibits section of the MATOC. This list does not relieve the Contractor of the responsibility of ensuring the accuracy or completeness of the list or responsibility of providing all submittals required by regulatory and contract documents.

Item No.	MATOC / Task Order Reference Section	Description of Submittal or Sample
1		Insurance Certificate(s)
2		Demolition, utility work, hot work, other permits and licenses
3		Project Notifications
4	MATOC Sec 5.3 / T.O. Sec 3.2.1 and Tech Exhibit 6	Site Specific Demolition Work Plan
5	T.O. Sec 4.1 and Tech Exhibit 6	Project Work Schedule
6	MATOC Sec. 1.17 / T.O. 3.2.1	Environmental Protection Plan
7	MATOC Sec. 1.17.2 T.O. 3.2.5	Storm Water Prevention & Protection Plan (SWPPP)
8	MATOC Sec. 1.12 and 5.4 and T.O. 3.2.1	Waste Management and Diversion Plan
9	MATOC Sec. 1.6 and 5.1.2 / T.O. 3.1	Site Access/Egress and Security Plan
10	Tech Exhibit 8, Sec 1.4.5 & 3.1	Asbestos Abatement Work Plan
11	Tech Exhibit 8 Sec 1.1.9, 1.2.3, and 3.5	Asbestos Transportation and Disposal Plan
12	MATOC Sec. 1.5.3 EM 385-1-1	ComPeternt Person Qualifications
13	Tech Exhibit 8, Sec 1.4.5 and 3.5	Hazardous Materials Removal and Disposal Plan
14	Tech Exhibit 8, section 1.1.4	Contractors Asbestos License Information
15	Tech Exhibit 8, section 1.1.9	Asbestos Waste Hauler
16	Tech Exhibit 8, section 1.1.9	Asbestos Landfill Information
17	Tech Exhibit 8	Asbestos Abatement Contractor Insurance
18	Tech Exhibit 8, Sec 1.1.8 and 3.4	Underground Storage Tank Removal
19	Tech Exhibit 8	Final Air Monitoring Tests/Results
20	Tech Exhibit 8, Sec 1.1.10	Sample Records
21	MATOC Sec. 1.11 and 5.5.1 and T.O. 3.2.2 and EM 385-1-1	APP and Activity Hazard Analysis
22	MATOC Sec. 1.9 and 5.6 and T.O. 3.2.4	Contractor Quality Control (QCP) Plan

23	Dated drawing for project facilities	As built locations of underground basements/foundations and utilities to remain and location of all caps and plugs.
24	MATOC Sec. 5.1.10	Project Reports
	T.O. Sec 4.5	

4.2.3 Document and Submittal List. Large documents maybe uploaded to AMRDEC or other government approved FTP site.

	Number of Copies	
Recipient	Draft	Final
PM CD copy	2	2
PM paper copy	1	1
Total	3	3

5.0 PUBLIC AFFAIRS

The Contractor shall not publicly disclose any data generated or reviewed under this contract. The Contractor shall refer all requests for site information to the Installation Public Affairs Office and requests for contract information shall be forwarded to the Contracting Officer, Huntsville Center. Reports and data generated under this contract shall become the property of the Department of Defense and distribution to any other source by the Contractor, unless authorized by the Contracting Officer, is prohibited. The Contractor shall notify the Contracting Officer, Program Manager, and Huntsville Public Affairs Office prior to any contact with regulatory agencies.

6.0 INVOICING

All invoices shall be submitted via email format to the U.S. Army Corps of Engineers, Engineering and Support Center, Huntsville for technical review and payment. Invoices shall be mailed to the address below:

By Electronic Mail:
FRPInvoices@usace.army.mil
Receipt of Invoices:
Disbursement of Payment will be made by:
U.S. Army Corps of Engineers Finance Center
5722 Integrity Drive
Millington, TN 38054-5005

7.0 ORDER OF PRECEDENCE

In the event of a conflict or inconsistency between any of the requirements of the various portions of the contract, precedence shall be given in the following order:

Any portions of the accepted proposal or accepted work plan that exceed the requirements of the solicitation.
As between the accepted work plan and the accepted proposal:
Any portion of the accepted proposal that exceeds the accepted work plan

Any portion of the accepted work plan that exceeds the accepted proposal
The requirements of the task order solicitation and then the requirements of the basic contract.
Those portions of the accepted proposal or accepted final design that meet but do not exceed the solicitation requirement.

8.0 REFERENCES

8.1 Government Provided Project Documentation – Provided via separate cover(s). See Appendix G - Relevant Reports and Documents.

8.2 All applicable Federal and State regulations. It shall be the contractor's responsibility to review, be familiar with and adhere to all applicable federal, state, and local regulations pertaining to the specific work site.

8.3 Performance Work Statement Tracking Table

REVISION NUMBER	DATE OF REVISION	DESCRIPTION
Revision 00	30 March 2022	PWS for SSFL Phase 6 – Demolition of COCA Test Stand No. 4

8.4 Appendices

1) Appendix A: Quality Assurance Surveillance Plan (QASP) – Included within this document.
2) Appendix B: Detailed Site Notes – Included within this document.
3) Appendix C: Projnet Questions – To be added later, as part of future PWS revision.
4) Appendix D: Utility Diagram – Above ground Utilities were severely impacted by the 2018 Woolsey Canyon Fire. No new utility diagrams and plans are available.
5) Appendix E: Photographs – May be added through a future revision.
6) Appendix F: Maps and Figures – May be added through a future revision.
7) Appendix G: Relevant Reports and Documents including ACM/ORM Report – Provided under separate cover:

Appendix G1 – Historic Facility Planning Support Santa Susana Field Laboratory GSE-108, dated March 21, 2013 - Filename: "*PWS_AppendixG_1_GSE - Historic Buildings Maintenance Evaluation.pdf*" (24 PDF pages) –

Appendix G2 - Pre-Demolition Survey Report, Santa Susana Field Laboratory, Alfa, Bravo, and Coca Areas, dated December 2, 2013 - Filename: "*PWS_AppendixG_2_GSE-Alfa, Bravo, Coca Pre-Demolition Report.pdf*" (726 PDF pages)

8) Appendix H: Hydro-Mulch and Seeding Specifications – Provided under separate cover. Filename: "*PWS_AppendixH-Hydro-mulchandSeedingSpec_29Sept2020.pdf*" (4 PDF pages)
9) Appendix I: Boeing Access Agreement – Provided under separate cover. Filename: "*PWS_AppendixI-BoeingAccess Agreement_29Sept2020.pdf* " (3 PDF pages)
10) Appendix J: Truck Tracking log example – Included within this document
11) Appendix K: Programmatic Boeing/NASA SWPPP for the State of California - Provided under separate cover.
12) Appendix L: Concrete testing standards for reuse on site; water testing standards prior to disposal. – Included within this document.
13) Appendix M: NASA Noxious Weed and Invasive Species Control Plan (Dec 2014) - Provided under separate cover.

Appendix M1 – Noxious Weed and Invasive Species Control Plan. Filename: "*PWS_AppendixM_1-NoxiousWeedandInvasiveControlPlan_Dec2014.pdf*" (38 PDF pages)
Appendix M2 – Weed Management Plan Responsibilities Table. Filename: "*PWS_AppendixM_2-WeedMgtPlanResponsibilitiesTable_30Sep2020.pdf*" (1 PDF Page)

APPENDIX A

QUALITY ASSURANCE SURVEILLANCE PLAN (QASP)

1.0 Performance Requirements Summary

The table on the following page lists the PWS requirements/deliverables that the Government shall monitor. The absence of any contract requirement from the PRS/QASP does not detract from its enforceability nor limit the rights or remedies of the Government under any other provision of the contract, including the clauses entitled “Inspection of Services” and “Default.” The table defines the standard for each listed PWS service, sites the respective specification, provides the method of surveillance, and describes disincentives for not meeting acceptable standards.

2.0 Government Quality Assurance

The Contracting Officer (KO) has overall responsibility for overseeing the Contractor’s performance. The KO shall monitor day-to-day contract compliance and administration. The COR shall assist the KO with their duties and is responsible for technical administration of the project. The COR also assures proper Government surveillance of the Contractor’s performance and shall monitor, record, and report on the technical performance of the Contractor on a day-to-day basis. The COR, along with USACE subject matter experts, shall assure the Contractor is meeting contract PWS standards, as well as all Federal, state, and local regulatory requirements. The Government intends to use the following methods to monitor standards:

- Inspection and review of all required documents and submittals.
- Periodic inspection of work processes or output.
- 100% inspection at the completion of key work segments and deliverables.
- Customer feedback.

3.0 Performance Evaluation

Performance of services shall be evaluated to determine whether or not it meets the performance requirements of the contract. The COR shall evaluate and report Contractor performance to the Contracting Officer at each milestone and delivery per the project schedule. Progress inspection reports shall be submitted as required. When the performance requirement is not met, a contract discrepancy report (CDR) shall be issued to the Contractor by the Contracting Officer. The Contractor must respond to the CDR and return it to the contracting officer within five (5) calendar days of receipt. Failure to meet acceptable performance standards may result in one or all of the following actions:

- Issue a temporary work stoppage awaiting corrective action.
- Withdrawal of work
- Terminate the task order.
- Terminate the MATOC (basic) contract.

DA Form 5473-R Performance Requirements Summary

Required Service	Paragraph. Number	Standard	Method of surveillance	Incentives / Disincentives
Preparation and submittal of all pre-project, documents, forms, permit requests, and notifications.	3.2.	Meets acceptable or better performance standards. Govt. and/or Regulatory agency reviews and approves deliverable.	Govt. / Regulator review or inspection	Submittals that do not meet acceptable performance standards may be rejected in whole or in part. If Contractor refuses to, or is appreciably delayed in, correcting material deficiencies they may be subject to issuance of show cause notice/bad performance rating and possible termination.
Mobilization / demobilization and work site setup to include protection of land and water resources.	3.3.1	Meets acceptable or better performance standards.	Periodic progress inspection	Failure to arrive at the work site installation on schedule may negatively impact host installation operations and result in a less than acceptable performance rating. A pattern of failing to meet schedules negatively affects the ability of the Govt. to provide intended services and may impact Contractor's future business with the Federal Govt.
Removal, capping, rerouting of all affected utilities, as specified.	3.3.1	Meets acceptable or better performance standards.	100 % inspection	Failure to correctly perform this service may disrupt installation utility services and negatively impact operations such an incident may result in a less than acceptable performance rating and result in temporary work stoppage, withdrawal of work, or issuance of show cause notice and possible termination for lost utility service. Contractor maybe held financially liable for losses incurred by their action/inaction.
Abatement and disposal of all ACM and other hazardous materials / items.	3.3.2	Meets acceptable or better performance standards with no meaningful regulatory deviation.	100 % inspection	Failure to perform this service in compliance with Federal, state, and local environmental, health and safety regulations, or the PWS, may result in a less than acceptable performance rating and/or a stop work order. A pattern of less than acceptable performance may affect future business with the Federal Govt. and/or subject the Contractor to withdrawal of work or termination for cause.
Demolition to include removal of all specified facilities, structures, buildings, interior equipment and machinery, conveyance systems, walkways, parking areas and their associated components.	3.3.3	Meets acceptable or better performance standards with no meaningful regulatory deviation or safety deviation.	Periodic progress and final inspection	Failure to perform this service in compliance with Federal, state, and local environmental, health and safety regulations, or the PWS, may result in a less than acceptable performance rating and/or a stop work order. A pattern of less than acceptable performance may affect future business with the Federal Govt. and/or subject the Contractor to withdrawal of work or termination for cause.
Debris disposal and diversion to include handling, transporting, and disposal means and methods. Recycle, and reuse debris materials per industry best practices to the maximum economic extent. Effort also includes tracking, reporting, and accounting for all debris material quantities and respective disposition method.	3.3.4	Meets acceptable or better performance standards with no meaningful regulatory deviation	Periodic progress and final inspection	Failure to perform this service in compliance with Federal, state, and local environmental, health and safety regulations, or the PWS, may result in a less than acceptable performance rating and/or a stop work order. A pattern of less than acceptable performance may affect future business with the Federal Govt. and/or subject the Contractor to withdrawal of work or termination for cause.
Site-restoration and final cleanup to include backfilling of basements/ trenches/excavations, cleaning, fine grading, and seeding the site.	3.3.5	Meets acceptable or better performance standards	Periodic progress and final inspection	Failure to perform this service in compliance with Federal, state, and local environmental, health and safety regulations, or the PWS, may result in a less than acceptable performance rating and/or a stop work order. A pattern of less than acceptable performance may affect future business with the Federal Govt. and/or subject the Contractor to withdrawal of work or termination for cause.
Contractor shall salvage all materials suitable for re-use, re-sale, recycle.	3.3.6		Total dollar value of salvage	Value provided the Government will be a criterion considered for future work.
Reporting to include weekly, monthly, and final reports.	3.5.1 3.5.2 3.5.3 3.5.4 3.5.5	Meets timelines and acceptable or better performance standards.	Govt. review	Govt. may reject in whole, or in part, reports that do not comply with PWS requirements. Contractor must resolve and correct deficiencies in reasonable time or shall be subject to issuance of show cause notice/bad performance rating and possible termination.
Site-Specific Demolition Work Plan to include all required sections and sub-plans.	3.2.1	Meets acceptable or better performance standards.	Govt. review	Govt. may reject in whole, or in part, Plans that do not comply with PWS requirements. Contractor must resolve and correct deficiencies in reasonable time or shall be subject to issuance of show cause notice/bad performance rating and possible termination.
Waste Management and Diversion Plan to include types and quantities of debris, means and methods of disposal, and efforts to divert debris from landfills through recycling, salvaging, reuse, and other means.	3.2.1 3.3.4	Meets acceptable or better performance standards.	Govt. review	Govt. may reject in whole, or in part, Plans that do not comply with PWS requirements. Contractor must resolve and correct deficiencies in reasonable time or shall be subject to issuance of show cause notice/bad performance rating and possible termination.

Accident Prevention Plan to include Contractor Health and Safety Plan, work site safety performance and compliance.	3.2.2	Meets acceptable or better performance standards.	Govt. review	Govt. may reject in whole, or in part, Plans that do not comply with PWS requirements. Contractor must resolve and correct deficiencies in reasonable time or shall be subject to issuance of show cause notice/bad performance rating and possible termination.
Contractor's Quality Control Plan.	3.2.3	Meets acceptable or better performance standards.	Govt. review	Govt. may reject in whole, or in part, Plans that do not comply with PWS requirements. Contractor must resolve and correct deficiencies in reasonable time or shall be subject to issuance of show cause notice/bad performance rating and possible termination.
Compliance with FAR 52.222-50 Combating Trafficking in Persons	Zero Incidents	COR monitoring of contractor performance to ensure the contractor has educated its employees regarding human trafficking	Option exercise/lack of exercise. Adverse PPR	Compliance with FAR 52.222-50 Combating Trafficking in Persons

APPENDIX B

DETAILED SITE NOTES for Santa Susana Field Laboratory

All of these notes may not be applicable in every area of Santa Susanna Field Laboratory, but are provided for awareness and guidance for activities at NASA SSFL, Area II

1. General Notes:

a) It is highly recommend that attendance at the Pre-Proposal Site Visit is considered valuable to the Contractor to see the uniqueness of Santa Susana Field Laboratory. Attendance at the PPSV is NOT an evaluation factor in this acquisition. (10 March 2017 change)
b) All attendees of the PPSV will be required to attend a 1-hour Safety Session (provided by the Government) prior to accessing the field portion of the PPSV. This will be part of the initial PPSV in-brief.
c) All attendees of the PPSV will be required to supply their own Personal Protective Equipment to attend the field portion of the PPSV. The minimum PPE is: Boots and Snake Gaiters (or Snake Boots), Pants, Long Sleeve Shirt or Sunscreen, Hat (No hard hat required). Recommended items are Safety/Sun Glasses, hydration supplies and snacks.
d) While operating on SSFL, all Non-Boeing-Badged personnel who are providing hauling and trucking services shall be escorted by a person who is Boeing-Badged. Persons who are not going to be on the site for extended periods of time will have daily badges and may require escorts.
e) All ground water and other monitoring wells shall be protected. If these must be removed or destroyed for demolition purposes, the FRP Contractor shall coordinate and be responsible for the restoration/replacement of same prior to site restoration at that location.
f) Government has provided GIS for underground utility quantity. Aboveground utilities shall be removed even if GIS information is incomplete.
g) Remove piping/conduit/concrete/debris/supports (above and below grade). Leave any ground water monitoring piping (typically black HDPE) / systems / monitoring wells in place.
h) Leave any struts that are supporting the HDPE piping systems. Remove those not attached to HDPE (along with metal piping) and those serving no purpose once old piping is removed.
i) The contractor may disconnect the HDPE pipe that remains in service on the site in order to conduct work; outages may be for two to five days, depending on use. The contractor shall provide two weeks' notice to USACE in order that the outage may be coordinated with Boeing. The contractor shall reconnect/repair HDPE piping upon completion, and dispose of any water appropriately.

2. Sampling and Testing:

a. Collect, test and dispose of any fluids as necessary that are found in piping or septic tanks; testing shall be based on what the pipe or septic typically contained and shall

be in accordance with California State regulations and, if necessary, RCRA regulations.

b. Acceptable imported backfill material is defined as: certified clean 2”-minus washed crushed rock. From on site, concrete shall be clean, crushed to 2” minus.

3. Other:

a) For excavation sites, a slight "depression" shall be left on site. Instead of "positive drainage" where water will run off, the area of excavation is to be contoured such that the water will remain in the area or creates "negative drainage" and will not run off. This does not mean a large, deep depression, but rather a gentle concave area.
b) Laydown areas with power are available in the service area. If necessary, the Contractor will need to provide temporary power pole, transformer and connection.
c) Wireless telecommunications, water, trash and portable restrooms must also be provided by contractor.
d) Decontamination: in addition to using construction entrances, contractors who move their equipment between work sites that have known contaminants or who demobilize from the site, are required to decontaminate their equipment and vehicles as follows:
    i. Before moving to a new area, equipment with tracks shall be dry decontaminated, transported to the SPA area (90-day storage area) where the equipment shall undergo wet decontamination.
    ii. Vehicles and equipment with tires shall be dry decontaminated prior to driving to the SPA where the contractor shall wet-decontaminated prior to moving to another site for work or demobilizing off site.
    iii. Vehicles that come on site only to deliver, pick up or load materials (such as dump trucks, etc.) shall use the construction entrance and, if necessary based on their travel within the work area, be dry decontaminated at the location prior to moving off site.
    iv. Water used for wet decontamination shall be collected at the SPA, tested and disposed according to regulations.
e) The RCRA post closure impoundment is one of those exclusions and shall be protected. The area labeled as "RCRA Cap Area" within the concrete drainage flume ring shall be protected, and not impacted by contractor removal or work on other features. The existing grated drain and outfall through berm shall be retained to drain the impoundment area.
f) After demolition, this security cantonment fence (or new if the one removed is not reusable) shall be re-established. Assumption is that same linear amount will be required.
g) The contractor is to assume that the insulating material in the double walled tanks is perlite and shall take appropriate precautions during demolition and disposal.

Table B-1: NASA Table of Assumptions

No.	Assumption Statement	Clarification
1	NASA will provide power outages and coordination within SSFL.	INCORRECT. The FRP contractor shall be responsible for subcontracting a licensed electrical company for performing outages. Suggested that use of SSFL experienced contractor, like: BlueTristar http://www.btse.la 818-810-9137 (SSFL Site Contact, David Stevens, 323-371-5261 Also, electrical activities must be coordinated with: CINDY CALEMMO Senior Right of Way Agent Land Operations - Northern Region Land Management Real Properties - Operations Support Southern California Edison Company 2425 S. Blackstone Street Tulare, CA 93274 559-685-3210 (work) PAX 73210 559-685-3261 (fax) PAX 73261 559-906-9946 (cell) cynthia.calemmo@sce.com
2	FRP Contractor will be responsible for cutting, capping, and disconnection of all utilities and transformers.	Correct: FRP Contractor shall test and dispose of all removed transformers.
3	Crushing Operation will occur within the Service Area. Crushing operations to be provided by the FRP Contractor.	Correct: Helipad and area east of Building 2207 shall be available for crushing operation. crushing activities must meet any Ventura County or state requirements.
4	Re-use of reclaimed non-potable water potentially may be used.	Use of NASA water tank located at LOX (Area 1) shall be provided as needed.
5	NASA will control the overall SSFL Area II SWPPP. The FRP Contractor will submit sub-set controls for areas of work under this delivery order, to assist NASA in maintaining existing SWPPP.	Correct: NASA SWPPP shall be maintained in compliance by FRP site specific plans. Coordination with on-site SSFL personnel is required to assure NASA SWPPP stays in compliance due to FRP actions.

6	Soil disturbance will be kept to an absolute minimum. Exposed rock is not soil disturbance.	Correct: This effort is demolition and removal of man-made material, not soil disturbance.
7	Foundations, Footing, and sub-terrainian features shall be removed to 5-foot or bedrock, whichever is shallower.	Correct. However, this does not apply to the test stands and the concrete around them, which is to be removed in their entirerty to bedrock.
8	With advance notice, NASA will provide Archeological and Native American Monitor. Coordination will occur through USACE rep at weekly on-site PDT. Work stoppage will be issued should features be discovered.	Correct.
9	Septic tank(s) shall be removed. Field lines will remain in-place.	Correct: FRP Contractor shall provide X, Y, and Z GPS coordinates on a map showing location of any field lines left in place.
10	FRP Contractor will sample and dispose of Transformers within each respective demolition area or polygon. Peter Zorba will be the manifesting officer for NASA SSFL.	Correct: FRP contractor will be responsible for full compliance management of all hazardous waste generated by demo ops, including but not limited to manifesting. Pete Zorba will be the signing authority for NASA manifests
11	Currently the NASA allotment of truck loads per day is 20 loaded down-hills per day.	Correct: NASA will also want to make sure trucks aren't coming up Woolsey before about 7 am daily to minimize complaints from neighbors. With advance notice, it is possible that exceptions to the 20 truck/day limit may be issued.
12	FRP Contractor will be required to provide radio communication services within SSFL. Each individual work crew will require communications within SSFL. Coordination with Peter Zorba will be required in advance of establishment of services. . Cell phones are not to be relied upon in lieu of radios.	Correct: FRP contractor communications must provide (a) frequency of communication or (b) method of communication to NASA Site Management

13	FRP Contractor will be required to maintain their specific area SWPPP requirements from demolition and site restoration, through a 1-year warranty period. The 1-year warranty period will begin when USACE and NASA QA Representatives sign site restoration initial acceptance memo provided by FRP Contract QC Representative.	Correct.
14	FRP Contractor will coordinate the cutting, capping, and subsequent replacement of HDPE, if required for safe and efficient demolition at a given site or location within SSFL. In some locations new unistrut w/ HDPE is attached (Tack welded) to old support and cable barriers. Only new unistrut and HDPE will remain, all other structures and ancillary items are considered part of the demolition.	Correct: Dual Containment HDPE spec is provided in case HDPE is damaged, or requires removal for demolition.
15		
16	Trailers located near 2204, Pumps for Outfall 10, and WS-09A fed through Delta Area and Service Area. Power shall be continuous at these locations.	Correct. Also, outages for pumps may be up to 24 hours unless otherwise approved for longer.
17	Demolition Target Work Hours 7:00 a.m. - 5:00 p.m.; Monday - Friday	Correct. Weekend work is not possible
18	The FRP Contractor shall have the capabilities to weigh all trucks prior to departure from SSFL.	Correct. Weight tickets and manifesting documents shall be provided on a weekly and monthly basis, electronically, to the on-site USACE QA representative.
19	The FRP Contactor will be required to obtain an air quality management permit for emissions on trucks, generators, etc., as required by State of California Law, and Ventura County Air Pollution Control District (APCD).	Correct.

APPENDIX C

PROJNET QUESTIONS

APPENDIX D
Utility Diagram

Above ground Utilities were severely impacted by the 2018 Woolsey Canyon Fire.
No new utility diagrams and plans are available.

APPENDIX E

Photographs

May be added through a future revision.

APPENDIX F:

Maps and Figures

May be added through a future revision.

Appendix G

Relevant Reports and Documents

– Provided under separate cover:

Appendix G1 – Historic Facility Planning Support Santa Susana Field Laboratory GSE-108, dated March 21, 2013 - Filename: "*PWS_AppendixG_1_GSE - Historic Buildings Maintenance Evaluation.pdf*" (24 PDF pages) –

Appendix G2 - Pre-Demolition Survey Report, Santa Susana Field Laboratory, Alfa, Bravo, and Coca Areas, dated December 2, 2013 - Filename: "*PWS_AppendixG_2_GSE-Alfa, Bravo, Coca Pre-Demolition Report.pdf*" (726 PDF pages)

Appendix G3 – "Record of Decision, Environmental Impact Statement for Proposed Demolition and Environmental Cleanup Activities at Santa Susana Field Laboratory", dated April 2014. (46 PDF pages)

Appendix H:

Hydro-Mulch and Seeding Specifications

Provided under separate cover.

Filename: "*PWS_AppendixH-Hydro-mulchandSeedingSpec_29Sept2020.pdf*" (4 PDF pages)

Appendix I:

Boeing Access Agreement

Provided under separate cover.

Filename: "*PWS_AppendixI-BoeingAccess Agreement_29Sept2020.pdf* " (3 PDF pages)

Appendix J:
Sample Outgoing Truck Log

Sample Truck Log for use on SSFL; submit weekly, and separate months by using tabs.

Date	On-site Location Where Loaded	Truck Number	Trucking Company	Bin Number	Bin Size	Weight	Contents	Waste Classification (Haz/NonHaz)	Outside of Bin Clean?	Cover Type	Cover On and Secure?	Placarding (if needed)

Appendix K:

Sample Programmatic Boeing/NASA SWPPP for the State of California

Provided under separate cover.

Appendix L:

Solids and Liquids Testing Standards

Table L-1: Solids Testing Standards*

Method	Waste Material	Description of Method
EPA 600/R-93/116 PLM	Concrete	ASBESTOS BY PLM
SW846 6010B/ 7000 series	Concrete, LBP, Soil	METALS (CAM 17/Title 22)
SW846 8082	Concrete, LBP, Soil	POLYCHLORINATED BIPHENYLS (PCBs)
SW846 8260B	Concrete, Soil	VOLATILE ORGANIC COMPOUNDS
SW846 8270 C SIM	Concrete, Soil	PAH COMPOUNDS
SW846 8015	Concrete, Soil	TPH (including GRO, DRO, ORO)
EPA 600/R-93/116 PLM	Piping, pipe wrap, gaskets, tank coatings,	ASBESTOS BY PLM
SW846 8082 3500B/3540C	Piping, pipe wrap, gaskets, tank coatings, oil	PCB in Building Materials (GRAB SAMPLE)
SW846 8260B	Piping, pipe wrap, gaskets, tank coatings,	VOLATILE ORGANIC COMPOUNDS
SW846 6010B/ 7000 series	Pipe wrap, gaskets, tank coatings,	METALS (CAM 17/Title 22)
SW846 8270 C SIM	Pipe wrap, gaskets, tank coatings,	PAH COMPOUNDS
SW846 8015	Pipe wrap, gaskets, tank coatings,	TPH (including GRO, DRO, ORO)
SW846 6010B/7000A	Asphalt	METALS (CAM 17/Title 22)
EPA 600/R-93/116 PLM	Building Materials	ASBESTOS BY PLM
SW846 6010B/ 7000 series	Building Materials	METALS (CAM 17/Title 22)
SW846 8082	Building Materials	POLYCHLORINATED BIPHENYLS (PCBs)
SW846 8260B	Building Materials	VOLATILE ORGANIC COMPOUNDS

SW846 8270 C SIM	Building Materials	PAH COMPOUNDS
SW846 8015	Building Materials	TPH (including GRO, DRO, ORO)

*Additional STLC/TCLP analyses may be required prior to disposal for any results exceeding RCRA or non-RCRA screening levels.

Method	Description of Method
SW846 6010B/6020	CAM 17/TITLE 22 METALS
EPA SW846 7199	DETERMINATION OF HEXAVALENT CHROMIUM IN DRINKING WATER
SW846 8270C/8260	NDMA and 1,4 Dichlorbenzene
SW846 M8015	TOTAL PETROLEUM HYDROCARBONS
SW846 7470A	MERCURY
SW846 8260B	VOLATILE ORGANIC COMPOUNDS
SW846 8260BSIM	VOLATILE ORGANIC COMPOUNDS
SW846 8270C SIM	SEMIVOLATILE ORGANIC COMPOUNDS (PAH)
SW846 8082	POLYCHLORINATED BIPHENYLS (PCBs)

Table L-2: Liquids Testing Standards – required prior to disposal

Appendix M:

NASA Noxious Weed and Invasive Species Control Plan (Dec 2014)

Provided under separate cover.

Filename: "PWS_AppendixM_1-NoxiousWeedandInvasiveControlPlan_Dec2014.pdf" (38 PDF pages)

Filename: "PWS_AppendixM_2-WeedMgtPlanResponsibilitiesTable_30Sep2020.pdf" (1 PDF Page)