

JOINT BASE LEWIS-MCCHORD (JBLM) DESIGN STANDARDS

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Preparing Activity: JBLM DPW June 2020

JOINT BASE LEWIS-MCCHORD (JBLM) DESIGN STANDARDS

SECTION 01 57 19.01 20

SUPPLEMENTAL TEMPORARY ENVIRONMENTAL CONTROLS
06/20

NOTE: This guide specification supplements Section 01 57 19 TEMPORARY ENVIRONMENTAL CONTROLS and includes additional environmental controls required for operations on Joint Base Lewis-McChord, WA (JBLM), to include Yakima Training Center (YTC) and supported external facilities. Although the title of this section employs the terminology "temporary," nothing in this section should be construed to limit or narrow its scope. It applies to overall management of all contract-related actions with the potential to adversely impact the environment.

Edit this specification section to include weblinks to additional applicable requirements. Add related sources to the Reference list and cite within the body of this section. Clearly state in this section any deviations from an applicable requirement. Coordinate with the JBLM Directorate of Public Works (DPW) Environmental Division (ED) to identify applicable requirements. A general, though not exhaustive, list of legal and other requirements applicable on JBLM can be found at the [JBLM Environmental Division webpage](#).

Adhere to [UFC 1-300-02 Unified Facilities Guide Specifications \(UFGS\) Format Standard](#) when editing this guide specification or preparing new project specification sections. Edit this guide specification for project specific requirements by adding, deleting, or revising text. For bracketed items, choose applicable item(s) or insert appropriate information based on project scope and location.

Remove information and requirements not required in respective project, whether or not brackets are present. If there is a question as to applicability of a requirement or the repercussions of removing it, coordinate with DPW ED (usarmy.jblm.id-readiness.list.environmental-project-review@mail.mil), or see contact information at <https://home.army.mil/lewis-mcchord/index.php/my-Joint-Base-Lewis-Mcchord/al>

Throughout: Insert bracketed language for JBLM YTC

when actions will or may occur at JBLM YTC. Select other bracketed option for actions at JBLM Lewis Main, Lewis North, or McChord Field (to include training areas) or supported external facilities. Select both options if work will or may occur at JBLM YTC and elsewhere on JBLM.

NOTE: Select the appropriate FEC/Region where work is being done and delete the un-used Regions.

PART 1 GENERAL

Joint Base Lewis-McChord (JBLM) is committed to protect and conserve the environment. All maintenance, repair and construction work on the installation, to include JBLM Yakima Training Center (YTC), will comply with all applicable environmental policies, laws and regulations; identify potential sources of pollution and meet or exceed Army goals for pollution prevention; and minimize adverse environmental impacts. Conform to JBLM's Environmental Policy and the requirements of JBLM's Environmental Management System (EMS).

1.1 REFERENCES

NOTE: This paragraph is used to list the publications cited in the text of the guide specification. The publications are referred to in the text by basic designation only and listed in this paragraph by organization, designation, date, and title.

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only. If state or local references are not provided here, refer to Section 01 57 19 TEMPORARY ENVIRONMENTAL CONTROLS for appropriate references.

NOTE to FEC: For each state listed below, the FEC should edit the section to include state or local specific references that will be called out in later portions of this document.

Reference lists are tailored by each FEC.

AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS (ASHRAE)

ASHRAE 189.1 (2014) Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings

JOINT BASE LEWIS-MCCHORD (JBLM))

Regulation 200-1 (most current) Environmental Protection

	and Enhancement
Regulation 350-30	(most current) Fort Lewis Range Regulations
Regulation 350-31	(most current) Joint Base Lewis-McChord Yakima Training Center Range Regulation
Regulation 420-5	(most current) Procedures for the Protection of State and Federally Listed Threatened, Endangered, Candidate Species, Species of Concern, and Designated Critical Habitat
ICP	Integrated Contingency Plan
PRESIDENT OF THE UNITED STATES)	
EO 13834	(2018) Efficient Federal Operations
U.S. ARMY (DA)	
DA AR 200-1	(2007) Environmental Protection and Enhancement
DA PAM 710-7	(2017) Hazardous Material Management Program
ASA IE&E SDD Policy	(2017) Sustainable Design and Development Update
U.S. Code (USC)	
42 USC 8259b	Federal Procurement of Energy Efficient Products
U.S. DEPARTMENT OF DEFENSE (DOD)	
UFC 1-200-02	(2019) High Performance and Sustainable Building Requirements
U.S. NATIONAL ARCHIVES AND RECORDS ADMINISTRATION (NARA)	
7 CFR 3201	Guidelines for Designating Biobased Products for Federal Procurement
10 CFR 436 Subpart A	Methodology and Procedures for Life Cycle Cost Analyses
40 CFR 247	Comprehensive Procurement Guideline for Products Containing Recovered Materials

1.2 DEFINITIONS

NOTE: Delete definitions not applicable based on project scope.

1.2.1 Environmental Management System (EMS)

A set of processes and practices that enable an organization to reduce its environmental impacts and increase its operating efficiency. All organizations on JBLM, including contractors, are required to participate in the installation's EMS program. The nature of this participation will depend on the unit or organization's processes and potential impact on the environment. Participation is established through coordination with the JBLM EMS Coordinator, providing an approved Environmental Protection Plan (including associated plans) where required, and a description or evidence of a company management system.

1.2.2 Pollution Prevention

The use of processes, materials, or products that avoid, reduce, or control pollution, which may include source reduction, recycling, treatment, process changes, control mechanisms, efficient use of resources, sustainable acquisition, and material substitution. Pollution prevention is a proactive environmental management approach addressing all types of waste as well as natural resource conservation. It is the Army's preferred approach, where timely and cost-effective, to achieve and maintain compliance with environmental laws and regulations.

1.2.3 Sustainability

The practice of managing economic, community, and natural resources to support the present installation mission without compromising the ability to support future missions. A sustainable force meets current as well as future mission requirements worldwide, safeguards human health, improves quality of life and enhances the natural environment. Sustainability is a guiding operational and development strategy for JBLM, which implements this strategy through its Installation Sustainability Program (ISP) and Environmental Management System (EMS). Contractors will support the installation's sustainability goals through conformity to the installation EMS and in coordination with the installation EMS Coordinator.

1.2.4 Sustainable Acquisition

NOTE: If 01 33 29 is included in the contract specifications, select the bracketed option for 01 33 29. If not, select the bracketed option for this section and include paragraph SUSTAINABLE ACQUISITION and bracketed sustainable acquisition submittal options at paragraph SUBMITTALS.

Also known as green procurement. A collection of environmentally preferable purchasing requirements incumbent upon Federal purchases and contracts. These include requirements to buy recycled content materials, biobased products, energy and water efficient products, non-ozone depleting substances, and other environmentally preferable items and services. More information is available from the installation Sustainable Acquisition Program Coordinator within Public Works (DPW), Environmental Division (ED). [See also [Section 01 33 29 SUSTAINABILITY REPORTING](#).][See also paragraph SUSTAINABLE ACQUISITION in this section.]

1.3 SUBMITTALS

NOTE: Review Submittal Description (SD) definitions in Section 01 33 00 SUBMITTAL PROCEDURES and edit the following list to reflect only the submittals required for the project.

The Guide Specification technical editors have designated those items that require Government approval, due to their complexity or criticality, with a "G." Generally, other submittal items can be reviewed by the Contractor's Quality Control System. Only add a "G" to an item, if the submittal is sufficiently important or complex in context of the project.

For submittals requiring Government approval on Army projects, a code of up to three characters within the submittal tags may be used following the "G" designation to indicate the approving authority. Codes for Army projects using the Resident Management System (RMS) are: "AE" for Architect-Engineer; "DO" for District Office (Engineering Division or other organization in the District Office); "AO" for Area Office; "RO" for Resident Office; and "PO" for Project Office. Codes following the "G" typically are not used for Navy, Air Force, and NASA projects.

The "S" following a submittal item indicates that the submittal is required for the Sustainability eNotebook to fulfill federally mandated sustainable requirements in accordance with 01 33 29 SUSTAINABILITY REPORTING. Locate the "S" submittal under the SD number that best describes the submittal item. If project scope is such that 01 33 29 does not apply, omit the bracketed sentence for that section and utilize the bracketed option for the Environmental Records Binder instead.

Where given as an option, select DPW ED for work on JBLM Lewis Main, Lewis North, or McChord Field (to include training areas) or supported external facilities. Select YTC ED for work on JBLM YTC. Likewise, select Pollution Prevention for work on JBLM Lewis Main, Lewis North, or McChord Field (to include training areas) or supported external facilities. Select YTC Environmental Compliance for work on YTC.

Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are [for Contractor Quality Control approval.][for information only]. When used, a designation following the "G" designation identifies the office that will review the submittal for the Government. Submittals with an "S" are for inclusion in the [Sustainability eNotebook, in conformance with Section 01 33 29 SUSTAINABILITY REPORTING][Environmental Records Binder, in conformance

with Section 01 57 19 TEMPORARY ENVIRONMENTAL CONTROLS]. Submit the following in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:

SD-01 Preconstruction Submittals

- Hazardous Material Authorization and Reporting; G [DPW ED Pollution Prevention][and][YTC DPW ED Environmental Compliance]
- [EPA-Designated Recovered/Recycled Materials; G, S
- USDA-Designated Biobased Products; G, S
- Energy Star or FEMP-Designated Products; G, S
- WaterSense-Designated Products and Services; G, S
- EPEAT-Designated Products; G, S
- Low-Emitting Products and Materials; G, S
- Rapidly Renewable Materials; G, S
- Refrigerants and Chemical Fire Suppressants; G, S
- Wood Materials; G, S
- Third-Party Ecolabels; G, S
- Sustainable Acquisition Exception Form (HJB Form 225); G, S

SD-03 Product Data

- Hazardous Material Authorization and Reporting; G [DPW ED Pollution Prevention][and][YTC DPW ED Environmental Compliance]
- Hazardous Material Inventory; G [DPW ED Pollution Prevention][and][YTC DPW ED Environmental Compliance]

SD-07 Certificates

- [Irrigation System Design, Installation, Maintenance, or Auditing; G,S

SD-11 Closeout Submittals

- [EPA-Designated Recovered/Recycled Materials; G, S
- USDA-Designated Biobased Products; G, S
- Energy Star or FEMP-Designated Products; G, S
- WaterSense-Designated Products and Services; G, S
- EPEAT-Designated Products; G, S
- Low-Emitting Products and Materials; G, S

Rapidly Renewable Materials; G, S

Refrigerants and Chemical Fire Suppressants; G, S

Wood Materials; G, S

Third-Party Ecolabels; G, S

Sustainable Acquisition Exception Form (HJB Form 225); G, S

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1.4 ENVIRONMENTAL PROTECTION REQUIREMENTS

Comply with all applicable requirements in JBLM installation environmental regulations and policies, to include [Regulation 200-1](#) (Environmental Protection and Enhancement).

1.4.1 Environmental Training

Ensure applicable employees and subcontractors complete all environmental training specified in--and required for compliance with--federal, state, and local laws and [Regulation 200-1](#) (https://www.lewis-mcchord.army.mil/designstandards/pdf/pwref/FLReg_200-1.pdf) as well as any training necessary to meet contract requirements. Coordinate with the JBLM EMS Coordinator to identify training needs associated with specific processes/impacts and the EMS, and arrange training or take other action to meet these needs.

Maintain a record of all required training, and the date conducted, for each individual requiring training and make this record available to the Government at all times during the execution of this contract.

1.4.1.1 Environmental Awareness Training

Upon contract award, ensure project employees and subcontractors complete general environmental awareness training (available at <https://home.army.mil/lewis-mcchord/index.php/my-Joint-Base-Lewis-Mcchord/all-services>), are aware of their environmental roles and responsibilities with regard to the JBLM EMS, and understand how these requirements affect the work performed under the contract. Document compliance with the awareness training requirement (for employees and subcontractor employees) within 30 days of the Notice to Proceed or within 30 days of the start of employment (whichever comes later) and make this information available to the Government upon request.

1.4.1.2 Environmental Operations Management Training

Required for Environmental Officers, Hazardous Material Technicians, and Hazardous Waste Technicians with projects on JBLM. Per [Regulation 200-1](#), ensure all personnel appointed to these positions complete the course annually (every 365 days). Contact (253) 966-6454 or 967-4786 to register.

The 8 hour course is typically available three Wednesdays a month from DPW, Environmental Operations and must be taken prior to the Contractor generating, storing, or handling hazardous materials or hazardous wastes on the installation. To facilitate the annual training requirement, Environmental Operations also conducts a half-day refresher version of this course monthly for those who have completed Environmental Operations Management training within the past 365 days.

Certificates are provided to Environmental Officers, Hazardous Material Technicians, and Hazardous Waste Technicians upon completion. Maintain these in your records and submit copies per Section 01 57 19 TEMPORARY ENVIRONMENTAL CONTROLS.

1.4.1.3 Asbestos and Lead-Based Paint Training

Ensure applicable personnel complete asbestos and/or lead-based paint training, per Regulation 200-1.

1.4.1.4 Spill Response Training

Ensure personnel and subcontractors that work around hazardous materials or hazardous waste receive at least initial and annual training in spill response procedures. This training must be in accordance with JBLM spill response procedures as described in the ICP and Regulation 200-1. It must include contingency plan review and rehearsal for employees.

1.4.1.5 First Responder Awareness Level Training

Complete as specified and required in the ICP.

1.4.1.6 Hazard Communication Training

Ensure employees receive hazard communication training conformant with OSHA requirements. Document and maintain records of employee completion. Make records available upon request by the Contracting Officer's Representative or Government Project Manager.

1.5 ENVIRONMENTAL ASSESSMENT OF CONTRACT PERFORMANCE

Any deviations from the drawings, plans and specifications requested by the Contractor and which may have an adverse environmental impact will be subject to approval by the Contracting Officer or Contracting Officer's Representative and applicable DPW ED(s) and may require an extended review, processing, and approval time. The Contracting Officer reserves the right to disapprove alternate methods, even if they are more cost effective, if the Contracting Officer, Contracting Officer's Representative, or applicable DPW ED(s) determine(s) that the proposed alternate method will have an unacceptable adverse environmental impact.

In addition, contractors operating on JBLM are subject to assessment by the DPW ED Environmental Compliance Assessment Team (ECAT). See Regulation 200-1 for more information. Correct non-compliance or Environmental Management System non-conformance identified by ECAT assessment.

1.6 JBLM ENVIRONMENTAL DIVISION POINTS OF CONTACT

For subject area points of contact within JBLM DPW ED, see the JBLM Environmental Division webpage. For JBLM YTC, consult <https://home.army.mil/yakima/index.php/units-tenants/directorate-public-works>.

[1.7 SUSTAINABLE ACQUISITION

NOTE: Only include paragraph SUSTAINABLE ACQUISITION and its subparagraphs (as applicable)

based on project scope) if Section 01 33 29
SUSTAINABILITY REPORTING (dated Feb 2015 or later) is
not incorporated into the contract specifications.
Include bracketed Federal Acquisition Regulation
language for appropriated funds contracts.

This paragraph addresses sustainable acquisition requirements deriving from various federal laws and Executive Orders, as implemented via Department of Defense (DoD) and Service policies. These include the requirements of the Resource Conservation and Recovery Act (RCRA) of 1976 as amended (40 CFR 247), the Farm Security and Rural Investment Act (FSRIA) of 2002 as amended (7 CFR 3201), the Energy Policy Act of 2005 (42 USC 8259b), the Energy Independence and Security Act of 2007, EO 13834, UFC 1-200-02, and ASA IE&E SDD Policy. [See also Parts 23 and 52.223 of the Federal Acquisition Regulation.]

Within DoD and the Department of the Army, these requirements are incorporated in various green procurement and sustainable design and development policies as well as UFC 1-200-02. For more specific citations, consult paragraph REFERENCES or contact the JBLM Sustainable Acquisition Program at usarmy.jblm.id-readiness.list.dpw-green-procurement1@mail.mil. See also <https://sftool.gov/greenprocurement>.

For applicable requirements noted under this paragraph, submit evidence of compliance at both the pre-construction (for proposed products and services) and post-construction (for provided products and services) phase (see paragraph SUBMITTALS in this section). When referenced under other applicable specification sections, these submittals will bear an 'S' designation, meaning they must be submitted to the Government Contracting Officer and/or Contracting Officer's Representative as evidence of compliance with federal sustainable design and sustainable acquisition requirements.

1.7.1 Energy Efficient Products

Provide only energy-consuming products and equipment that are Energy Star labeled, or that meet the Federal Energy Management Program (FEMP) recommended efficiency. Where Energy Star or FEMP criteria have not been established, provide most efficient products and equipment that are life-cycle cost effective. Provide only products and equipment that meet FEMP requirements for low standby power consumption, where applicable. Energy efficient equipment and criteria can be found at: <https://www.energystar.gov/products> and <https://www.energy.gov/eere/femp/search-energy-efficient-products>. Provide the following documentation:

Proof that Energy Star or FEMP-Designated Products comply with the cited requirements. Energy Star eligible items must be Energy Star labeled under the most current version of the Energy Star Standard. Alternatively, if claiming one of the exception criteria allowed under Section 104 of the Energy Policy Act of 2005, submit written justification per paragraph EXCEPTIONS.

1.7.2 Water Efficient Products and Services

Provide only water-emitting products and services that are EPA WaterSense labeled (as applicable) or, in case of water fixtures, the most efficient

fixtures available that meet the requirements of [ASHRAE 189.1](#) Section 6.3.2 when WaterSense products are not available. WaterSense products and services can be found at <https://lookforwatersense.epa.gov/products/>. Provide the following documentation:

Proof that [WaterSense-Designated Products and Services](#) are WaterSense labeled; for all other fixtures, proof that they comply with the cited efficiency requirements. For [Irrigation System Design, Installation, Maintenance, or Auditing](#) services, certificate of completed training under a WaterSense labeled program. Alternately, see paragraph EXCEPTIONS for available exception procedures.

1.7.3 Reduce Volatile Organic Compounds (VOC) (Low Emitting Materials)

Provide interior materials and products with low pollutant emissions per [UFC 1-200-02](#) and [ASA IE&E SDD Policy](#), including composite wood products, adhesives, sealants, interior paints and finishes, flooring systems, ceiling systems, wall systems, and furnishings. Do so by supplying materials meeting the requirements of [ASHRAE 189.1](#) Sections 8.4.2 or Section 8.5.2. Provide the following documentation:

Proof that [Low-Emitting Products and Materials](#) do not exceed the maximum emission thresholds at 8.4.2 or 8.5.2 of [ASHRAE 189.1](#). This will generally be via manufacturer's documentation stating emissions levels, or via evidence of current third-party certification verifying compliance with the applicable standard(s).

1.7.4 Recycled Content

Comply with [40 CFR 247](#). Refer to <https://sftool.gov/greenprocurement> and <https://www.epa.gov/smm/comprehensive-procurement-guideline-cpg-program> for assistance identifying products designated under [40 CFR 247](#). Provide the following documentation:

Proof that [EPA-Designated Recovered/Recycled Materials](#) meet the minimum recycled content percentages(s) in the associated EPA Recovered Material Advisory Notice (RMAN). Alternately, if claiming one of the exception criteria allowed under [40 CFR 247](#), submit written justification for exception per paragraph EXCEPTIONS.

1.7.5 Bio-based Products

Comply with [7 CFR 3201](#). Refer to <https://sftool.gov/greenprocurement> and <https://www.biopreferred.gov/BioPreferred/> for assistance identifying products designated under [7 CFR 3201](#). Provide the following documentation:

Proof that [USDA-Designated Biobased Products](#) meet the minimum biobased content percentage established by USDA BioPreferred. Alternately, if claiming one of the exception criteria allowed under [7 CFR 3201](#), submit written justification for exception per paragraph EXCEPTIONS. For other [Rapidly Renewable Materials](#) supplied, provide documentation showing type of material and material content percentage.

1.7.6 Ozone Depleting Substances and Refrigerants with High Global Warming Potentials

Eliminate the use of ozone depleting substances (ODS) and refrigerants with high Global Warming Potentials (GWPs) during and after construction, where alternative environmentally preferable products are available and

approved as substitutes by the EPA Significant New Alternatives Policy (SNAP) Program. Any acquisition of class I ODS requires Army Acquisition Executive approval, coordinated with JBLM DPW ED Air Program. Provide the following documentation as a pre-construction submittal for proposed products:

- a. Safety Data Sheets (SDS) for all [Refrigerants and Chemical Fire Suppressants](#). Obtain hazardous material authorization in accordance with paragraph HAZARDOUS MATERIAL AUTHORIZATION AND REPORTING. Note that all ODS are restricted on JBLM and require written authorization from the JBLM DPW ED Pollution Prevention Program (usarmy.jblm.id-readiness.list.dpw-hm-inventory1@mail.mil) prior to use or storage on JBLM, or by YTC ED Environmental Compliance prior to use or storage on JBLM YTC.
- b. Proof that products are approved alternatives under EPA SNAP, <https://www.epa.gov/snap/snap-substitutes-sector>.

1.7.7 Sustainably Certified Wood

Wood materials must be Forest Stewardship Council (FSC)-certified whenever practicable based on availability and cost. If sufficient supply of FSC-certified materials is not available, supply Sustainable Forestry Initiative (SFI)-certified or other sustainably certified materials. For more information, consult <https://us.fsc.org/en-us> and <https://www.sfiprogram.org/>. For FSC-, SFI-, or other credible certified sustainable wood materials, provide the following documentation:

Proof that [Wood Materials](#) are certified by FSC, SFI, or other credible third-party certifier. Alternately, see paragraph EXCEPTIONS for available exception procedures.

In addition, all wood products must conform to the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES). When CITES-listed species are supplied, provide documentation demonstrating CITES compliance.

1.7.8 Green Electronics

Electronic product categories covered by the Electronic Product Environmental Assessment Tool (EPEAT) must be EPEAT certified. First preference must be given to products that are certified at Silver level or higher. For electronics not designated under EPEAT, supply environmentally preferable options where feasible. Provide the following documentation:

Proof that [EPEAT-Designated Products](#) carry current EPEAT certification and the level of certification (Gold, Silver, or Bronze). Alternately, see paragraph EXCEPTIONS for available exception procedures.

Additional information and a list of compliant products is available at <https://sftool.gov/greenprocurement> and <https://epeat.net/>.

1.7.9 Third-Party Ecolabels

Third-party ecolabels are required for product classes with EPA-recommended ecolabels. For more information, see <https://sftool.gov/greenprocurement> and [EPA recommended ecolabels](#). [There is also a broader requirement for environmentally preferable purchasing at

Part 23.7 of the Federal Acquisition Regulation. See associated guidance at <https://www.epa.gov/sites/production/files/2015-09/documents/finalepapguidance.pdf>.] Provide the following documentation:

Proof that any product falling under EPA recommended [Third-Party Ecolabels](#) is currently certified under one of the EPA-recommended ecolabel programs. Alternately, see paragraph EXCEPTIONS for available exception procedures.

1.7.10 Toxics/Hazards Minimization

In accordance with [DA AR 200-1](#), provide products and materials with no, or lower, hazards and toxicity whenever feasible.

For construction materials, this can include products free of various red-listed chemicals. See, for example, <https://living-future.org/declare/declare-about/red-list> and <https://transparency.perkinswill.com/lists/precautionary-list>.

1.7.11 Exceptions

Several federal sustainable acquisition laws allow for exceptions in certain cases. Namely, if sufficient market research has determined that no available compliant product/material/service option will meet contract cost, availability, or performance requirements. In such cases, document and electronically submit sufficient justification on the JBLM [Sustainable Acquisition Exception Form \(HJB Form 225\)](#) to the contracting official and the JBLM Sustainable Acquisition Program per the form instructions. Note that the cost exception for energy- and water-related products must be based on life cycle cost considerations per [10 CFR 436 Subpart A](#).

]

PART 2 PRODUCTS

Provide products, materials, and services compliant with Federal and JBLM sustainable acquisition requirements. In addition to meeting the specifics of the Federal sustainable acquisition programs, provide environmentally preferable products to the maximum extent practicable. EPA guiding principles for such products can be found at <https://www.epa.gov/sites/production/files/2015-09/documents/finalepapguidance.pdf>. See also <https://sftool.gov/greenprocurement> for information regarding the Federal programs. Questions may be directed to the JBLM Sustainable Acquisition Program Coordinator (usarmy.jblm.id-readiness.list.dpw-green-procurement1@mail.mil).

Products must also comply with the applicable Washington State Stormwater Management Manual.

All hazardous materials must be authorized by the applicable ED prior to use or storage on JBLM. Authorization will be granted by [JBLM ED Pollution Prevention Program][and][YTC ED Environmental Compliance]. See paragraph HAZARDOUS MATERIAL AUTHORIZATION AND REPORTING for more information.

Note that both the main JBLM installation (JBLM Lewis Main, Lewis North, and McChord Field) and the JBLM YTC sub-installation maintain a Restricted Use List (RUL) of chemicals. See paragraph RESTRICTED USE LIST for more information.

Product provision, use, transport, and storage must comply with all Federal, State, and local laws and all applicable requirements in [Regulation 200-1](#).

Minimize use of hazardous and toxic materials to the maximum extent practicable. Contractors that use or store such materials on JBLM must have an active program in place to address and minimize hazardous and toxic product use/storage.

PART 3 EXECUTION

3.1 PROTECTION OF NATURAL RESOURCES

Any project/activity occurring in priority habitats of listed Endangered Species Act (ESA) species and/or where ESA listed species occur may require consultation with U.S. Fish and Wildlife Service prior to any project/activity work being initiated. No work will be initiated in a project area without coordinating with the Contracting Officer's Representative or Government Project Manager and JBLM DPW ED Fish and Wildlife Program for project assessment under the ESA. All activities involving natural resources, including, but not limited to, wetlands, threatened and endangered species, tree and vegetation removal, etc., must comply with [DA AR 200-1](#) and [Regulation 200-1](#), [Regulation 350-30](#) (for work downrange), [Regulation 350-31](#) (for work downrange at YTC), and [Regulation 420-5](#).

Vehicle travel or construction activities (e.g., digging or laydown) in Seibert Staked areas is prohibited. Seibert Stakes are used to mark and protect environmentally or culturally sensitive areas. Seibert Stakes are mounted on fence posts and are identified by alternating red and yellow bands with a single white band at the top. The protection side of Seibert Stakes is identified by a narrow black band extending the full length of

each Seibert. All vehicles are to remain on the opposite side of the black band. Consult with the applicable DPW ED if Seibert Stakes are within the specified project area.

Text

3.1.1.1 Species and Habitats at Lewis Main, Lewis North, and McChord Field

NOTE: Include this paragraph for work on JBLM Lewis Main, Lewis North, or McChord Field.

JBLM provides habitat for both nesting and wintering populations of bald eagles. JBLM has established a primary (400 meter) and secondary (800 meter) zone around nest sites and communal night roosts, which require specific protection measures to avoid adverse impacts to eagles. The bald eagle nesting period at JBLM extends from December 1 to August 31. Avoid major land uses such as construction of buildings, roads, power lines, and trails during the nesting period to protect nesting bald eagles on the Installation. This applies to both primary and secondary zones around nest sites. Coordinate with the COR or Government Project Manager and JBLM DPW ED Fish and Wildlife Program for guidance regarding bald eagle restrictions and locations.

Contractors must comply with [Regulation 200-1](#), including the removal of any Oregon white oak trees. Avoid removing Oregon white oak trees (*Quercus garryana*) that have a diameter breast height (dbh) of 4 inches or greater. Any removed oak trees must be mitigated by planting six (6) 2-inch caliper balled Oregon white oak trees for every one (1) mature tree removed within the construction footprint. Coordinate with the COR or Government Project Manager and JBLM DPW ED Fish and Wildlife Program for guidance on locations for planting replacement oak trees. Construction work should be done outside the oak's and other trees' root zones. A tree's root zone is considered an area one-third larger than the drip line area. Ideally, no disturbance should occur within this zone, including digging.

Per [DA AR 200-1 4-3](#), "Assure that agricultural and forest products are not given away, abandoned, carelessly destroyed, used to offset contract costs or traded for services, supplies, or products or otherwise improperly removed". If timber is to be harvested, coordination with DPW Forestry is necessary in advance of cutting. Pile merchantable trees in a neat, limb-free deck for subsequent disposal by the Government. Locate piles as directed by the JBLM DPW ED Forestry Branch via the COR or Project Manager. Decking may require log transport off-site to an appropriate location on the installation. Coordinate with the COR or Project manager and DPW Forestry if timber removal is part of project.

Trees to be cut down (except commercial harvests) should be cut outside the mid-May through August timeframe. The mid-May through August period is the general time when migratory birds nest at JBLM. Avoiding the tree cutting during this period would prevent harm to any birds nesting in these trees and would be in compliance with the Migratory Bird Treaty Act. Coordinate with the COR or Project Manager and JBLM DPW ED Fish and Wildlife Program for guidance.

3.1.2 Species and Habitats at JBLM YTC

NOTE: Include this paragraph for work on JBLM YTC.

In addition to the regulations cited at paragraph PROTECTION OF NATURAL RESOURCES in this section, there may be additional requirements, to include project design features, best management practices, and/or mitigation measures relative to natural resource protection described in associated project-specific National Environmental Policy Act (NEPA) analyses for the proposed action/project or other Federal/State environmental laws (e.g., Endangered Species Act) or project related permits. Coordination with JBLM YTC DPW ED is required to ensure all relevant natural resource protection measures and requirements are fully incorporated into associated project contracts and project specific Environmental Protection Plans prior to contract award and project implementation.

The following general protection measures apply unless otherwise modified during contract development:

- a. In areas without Seibert Stakes, vehicle movement parallel to drainages will remain 60 meters from riparian areas and streams.
- b. Staging areas and fueling operations must remain 100 meters from drainages, riparian areas, and streams.
- c. Use existing hardened areas to stage equipment and materials to the greatest extent possible. A number of Brigade Support Areas (BSAs) and Command Posts have been hardened with rock and may be available for this purpose. The location of hardened sites can be obtained by calling Range Operations (509-225-8113).
- d. Avoid cross-country travel between specified construction sites. Travel in steep areas will be confined to existing roads to the greatest extent possible.
- e. Avoid creating new roads by using existing roads open to the public to the greatest extent possible. Permanently closed roads are marked with "Road Closed" signs, barriers, or berms and all closures must be complied with. Additional unmarked roads may be seasonally or temporally closed (see Sage-grouse Protection Measures section below).
- f. Off-road vehicle movement and construction activities may be curtailed when soils become saturated with water. Contractors are cautioned that construction activities may be suspended or redirected to other areas during periods when soils are saturated with water. Saturated soils generally occur during periods of snowmelt in the winter and early spring months.
- g. The following protection measures are in place to prevent unnecessary impacts to wildlife species and habitat of particular management concern by JBLM YTC. Specifically, no such species of wildlife may be harassed, touched, captured, or killed under any circumstances. Personnel will comply with all protection measures applicable to YTC and contained in [Regulation 200-1](#) and [Regulation 420-5](#).

- (1) Sage-Grouse Protection Measures

- (a) Activities in designated sage-grouse protection areas (SGPA) are closely managed and must be coordinated in advance with the YTC Range Operations and YTC DPW ED.
- (b) Sage-grouse use breeding grounds (leks) and nesting/brood-rearing areas from February to mid-June. To protect breeding and nesting grouse, all non-military activities within Training Areas (TAs) that contain leks and/or core sage-grouse use areas (SGPA; TAs 7-11, 13-16) is prohibited from 1 February to 15 June with the exception of access on Main Supply Routes as coordinated with the YTC DPW ED and Range Operations unless otherwise specified by project specific environmental analyses (e.g., National Environmental Policy Act, Endangered Species Act). Between 1 February and 15 June construction activities may occur on designated established Ranges (Ranges 4, 5, 10, 10Z, 11, 12, 14, 16, 26, and 55) between the hours of 0900 and 2400 upon prior coordination with YTC DPW ED and Range Operations.
- (c) Construction activities within the SGPA or the ranges listed above is restricted between the hours of 2400 and 0900 between 1 February and 15 June unless otherwise specified by project specific environmental analyses (e.g., National Environmental Policy Act, Endangered Species Act) and coordinated with YTC DPW ED and Range Operations.
- (d) Travel through the SGPA is not authorized for anyone between 2400 and 0900 except on authorized main supply routes or other designated roads to ranges listed above and coordinated with the YTC DPW ED and Range Operations.
- (e) Construction activities occurring off designated roads within the SGPA is restricted from 1 February to 15 June unless otherwise specified by project specific environmental analyses (e.g., National Environmental Policy Act, Endangered Species Act) and coordinated with YTC DPW ED and Range Operations.

Aircraft in support of construction activities are not permitted to over-fly leks within one kilometer and below 300 feet above-ground-level between 2400 and 0900 from 1 February to 15 June.

(2) Bald Eagle Protection Measures

- (a) The following seasonal land use constraints are in place at YTC between 8 December and 24 March annually to protect wintering bald eagles at YTC.
- (b) Construction activities to include vehicle traffic on Hanson Creek road between GS 18008750 and GS 28008420 is prohibited between 1500 and 0900. Coordination and prior approval by YTC DPW ED and Range Operations is required to use this road during this period.
- (c) During the seasonal protection period (8 December through 24 March), a 24 hour-a-day aircraft flight restriction is in place in the vicinity of Hanson Creek and the Columbia River. The flight routes are described as: (aa) Hanson Creek flight route between coordinates GS 18008750 and GS 28008420 the minimum flight level is 300 feet AGL (above ground level). Flights must maintain a one kilometer buffer to the north and south of Hanson Creek, with traffic moving west remaining one kilometer north of Hanson Creek. This flight route supports two-way traffic; (bb) Columbia River flight route between

grid lines 83 and 69. The flight route supports one-way traffic and flights must maintain a one-kilometer buffer to the west of the railroad right-of-way along the Columbia River.

In addition to the documents cited in this subparagraph, it should be noted that there may be additional requirements to include project design features, best management practices, and/or mitigation measures relative to natural resource protection described in associated project specific National Environmental Policy Act analyses for the proposed action/project or other Federal/State environmental laws (e.g., Endangered Species Act) or project related permits. Coordinate with JBLM YTC DPW ED to ensure all relevant natural resource protection measures and requirements are fully incorporated into associated project contracts and project specific Environmental Protection Plans prior to contract award and project implementation.

3.1.3 Landscaping

Trees, shrubs, vines, grasses, land forms and other landscape features indicated and defined on the drawings to be preserved must be clearly identified by marking, fencing, or wrapping with boards, or any other approved techniques. Restore landscape features damaged or destroyed during construction operations outside the limits of the approved work area.

Vegetation and soil resources outside of the specified project footprint that have been damaged as a result of construction activities will be restored to original existing condition (i.e., slope, grade, native and desired species composition).

Any landscaping/planting should ensure that planned species are permitted/acceptable for planting on JBLM. As a priority, native species should be used.

Generally, any landscaping should be done between approximately mid-October to mid- March for optimum planting survival, unless irrigation is available. See Division 32 specifications for additional landscaping and irrigation requirements.

Refer to applicable federal guidance for sustainable landscaping (https://www.sustainability.gov/pdfs/sustainable_landscaping_practices.pdf and <https://www.fs.fed.us/wildflowers/pollinators/BMPs/index.shtml>) and adopt sustainable practices to the maximum extent feasible under the contract terms, in coordination with the Contracting Officer's Representative or Government Project Manager and applicable DPW EDs. For pollinator-supportive planting guidance specific to Western Washington, see <https://www.pollinator.org/PDFs/PacificLowlandrx8.pdf>.

3.2 HAZARDOUS WASTE MANAGEMENT

**NOTE: Coordinate this paragraph with paragraph 01
57 19 TEMPORARY ENVIRONMENTAL CONTROLS. Only select
bracketed options for turn in to Government if a
prior agreement exists with the applicable DPW EDs
and make selections based on project location(s).**

Accumulate hazardous waste in waste-compatible, sturdy, leak-proof, closed

containers that are Department of Transportation (DOT) approved.[If the waste is to be turned in to DPW ED Operations, accumulate wastes only in Government-issued hazardous waste containers. Prior coordination and agreement between the Environmental Division, Project Manager, Contracting Officer's Representative, and Contractor is required for DPW to assume waste management disposal responsibility. In such cases, contact DPW ED Operations, phone (253) 967-4786 for drums.][If the waste is to be turned in to the YTC One Stop Yard, obtain all hazardous waste containers from the One Stop Yard and turn in properly containerized hazardous waste to the One Stop Yard. For more information, coordinate with the Contracting Officer's Representative or Government Project Manager and contact the One Stop Yard at(509) 577-3830. Note: Contractors will be billed by JBLM for waste that is turned-in to the One Stop Yard for disposal. Hazardous wastes generated under service, facility, maintenance or construction contracts (construction demolition debris (asbestos/lead), paints, soil disposal, disposal of sand from ranges, sludge from wash racks, oil/water separators, water treatment plants, etc.) are to be funded as part of the original contract. Fees for disposal are set through Defense Logistics Agency-Disposition Services per waste stream by weight.]

Clearly label each hazardous waste container with the words HAZARDOUS WASTE, a description of the waste, and the hazard associated description or label.[Any container issued by [DPW ED Operations][or][the One Stop Yard at JBLM YTC] will have a bar-coded label that contains all necessary labeling information. This label can be obtained by contacting [DPW ED Operations][or][the One Stop Yard at JBLM YTC].]

Keep container tops and/or bungs tight. Properly ground containers when transferring flammable materials. Containers holding flammable liquids (flash point less than 140 degrees F) must be grounded. Store reactive and ignitable waste containers in a manner compatible with National Fire Protection Association (NFPA) Fire Code requirements. Do not accumulate incompatible wastes in the same container or in the same area.

All accumulation areas/storage facilities must conform to the requirements of Regulation 200-1, have overhead cover, be capable of being secured, meet all fire code requirements and provide adequate ventilation, secondary containment, and protection from the elements. Contractor vehicles are not considered a proper storage facility. Provide warning signs, limit access to the facility, and lock it when it is unattended or not in use. Restrict access to the area to trained personnel who need to be in and use the area.

Inspect each accumulation area weekly, utilizing the Contractor Hazardous Waste Site checklist, (HJB Form 950-1) to verify compliance with the above requirements. Maintain the checklist on site for inspection.

3.3 HAZARDOUS MATERIAL MANAGEMENT

NOTE: Select bracketed text depending on geographic location of contract work, i.e., JBLM YTC language for work at JBLM YTC and other language for work at all other JBLM locations and supported facilities.

Designate personnel to manage hazardous material compliance. The primary individual(s) assigned these responsibilities must perform the function of Environmental Officer as stated in installation Regulation 200-1 and meet

the applicable training requirements as stated in that regulaton.

3.3.1 Restricted Use List

To meet Pollution Prevention, Hazardous Materials Management, and Sustainable Acquisition obligations, [JBLM DPW ED][and][JBLM YTC DPW ED] maintain[s] a Restricted Use List (RUL). Any product is considered unauthorized if it contains at least one RUL-listed chemical. A copy of the applicable RUL is available from the [JBLM Pollution Prevention Program (Bldg 1210)][and][JBLM YTC Environmental Compliance (Bldg 810)]. If a product containing a restricted constituent is essential to project completion, submit a RUL exemption request (HJB Form 226) to [the Pollution Prevention Program][and/or][YTC Environmental Compliance] via the Contracting Officer's Representative. A current written and signed exemption letter from [Pollution Prevention][and][YTC Environmental Compliance] is required for any use of a product containing restricted constituents on [JBLM Lewis Main, Lewis North, McChord Field, and supported external facilities][and][JBLM YTC]. The Contractor must receive this authorization from [the Pollution Prevention Program][and][JBLM YTC Environmental Compliance] via the Contracting Officer's Representative or Government Project Manager prior to using any product that contains chemicals listed on the applicable RUL. Only materials necessary for and associated with the execution of the contract are allowed on Government property. The exemption request form is available at the [JBLM Design Standards website](#).

3.3.2 Hazardous Material Authorization and Reporting

NOTE: Make bracketed selections based on project location(s).

Per DA PAM 710-7, JBLM has compiled Authorized Use Lists (AULs) for hazardous material users on JBLM. No hazardous material may be brought on JBLM until it has been reviewed by the [JBLM Pollution Prevention Program][or][JBLM YTC Environmental Compliance] and authorized for use (i.e., added to the Contractor's Authorized Use List). Per this paragraph and paragraph RESTRICTED USE LIST in this section, [the Pollution Prevention Program][or][JBLM YTC Environmental Compliance] will review submitted documents and notify the Contractor regarding any unauthorized or disapproved hazardous materials via the project Contracting Officer's Representative or Government Project Manager. Only use hazardous materials that have been authorized for the Contractor or subcontractor's use by the applicable approving office(s) (Pollution Prevention and/or JBLM YTC Environmental Compliance).

Only order hazardous materials as needed. Submit an initial list of hazardous materials that will be used on the project, to include unit(s) of measure and Safety Data Sheet (SDS) for each product, via email to the Contracting Officer's Representative or Government Project Manager. Concurrently submit to [the Pollution Prevention Program by including usarmy.jblm.id-readiness.list.dpw-aull@mail.mil in the carbon copy ("cc") line of the email submittal][or][JBLM YTC Environmental Compliance by including usarmy.jblm.id-readiness.list.dpw-yc-hm-inventory1@mail.mil in the carbon copy ("cc") line of the email submittal]. Include any distinguishing specific features for products with multiple variants (e.g., color, scent, amp, voltage, fuel grade, product code). Only include products that will be or are very likely to be used on the

project. Also provide contact information for the Contractor's primary point of contact for hazardous material management.

In addition, submit this information for all additional hazardous materials as the need for their use arises. A reformulated product is considered a new product and must have its SDS submitted in this manner.

Submitted documents will undergo a chemical review by the applicable review office(s) (Pollution Prevention and/or JBLM YTC Environmental Compliance). The review office will contact the Contractor via the project Contracting Officer's Representative or Government Project Manager if any issues arise, such as restricted constituents (per this paragraph and paragraph RESTRICTED USE LIST). Allow a minimum 2 weeks for ED review.

Ensure submitted SDS documents are legible, have a sufficiently large font size that it is easily readable, and are imaged on a white background that is easily photocopied or scanned. Ensure these documents are the most current available from the manufacturer. Ensure submitted SDS documents list all hazardous constituents, including the Chemical Abstract Service (CAS) number and percentage by weight (or percentage range) of each hazardous constituent, and include descriptions of the product's physical properties, acute health risks, chronic health risks, and environmental effects.

Any hazardous materials that are not in use or not used within one week from initial entry onto JBLM will be considered in storage. Storage is authorized only for those hazardous materials directly supporting the government contracted project.

Report any hazardous materials on a quarterly basis through the submission of a hazardous materials inventory (HJB Form 953). This form is available at the [JBLM Design Standards website](#) and is due by the 15th day following the calendar year quarter in which the materials were used or stored on JBLM. Submit the inventory via email to the Contracting Officer's Representative or Government Project Manager with [usarmy.jblm.id-readiness.list.dpw-hm-inventory1@mail.mil (for Pollution Prevention)][or][and][usarmy.jblm.id-readiness.list.dpw-ytc-hm-inventory1@mail.mil (for JBLM YTC Environmental Compliance)] entered in the carbon copy ("cc") line. Include hazardous material information, such as product codes, color (e.g. paint color), unit of measure, storage location, and quantities used.

3.3.3 Storage

Facilities for the storage of hazardous materials must conform to the requirements of [Regulation 200-1](#), meet all fire code requirements and provide adequate ventilation, secondary containment, and protection from the elements. Provide warning signs, limit access to the facility, and lock it when it is unattended or not in use. Restrict access to the facility to trained personnel who need to be in and use the area. Only store authorized hazardous materials in the facility. Contractor vehicles are not considered a proper storage facility. Do not store hazardous material in vehicles overnight or for any length of time.

Store hazardous materials according to product labels and SDS requirements. Do not store incompatible materials together. Properly label all containers as to contents and keep them in good condition with tight fitting lids. Segregate unopened containers from opened containers. Ensure personal protective equipment (PPE) required by the

SDS or product label is available and worn by all personnel who handle the product.

Keep container tops and/or bungs tight except when adding/dispensing material. Avoid tipping a drum on its side to issue product outside the hazardous material storage shed; use of a transfer pump is the preferred issue method. Properly ground containers when transferring flammable materials. Ground containers holding flammable liquids (flash point less than 140 degrees F). Store reactive and ignitable waste containers in a manner compatible with NFPA Fire Code requirements.

3.3.4 Inspections and Recordkeeping

Perform quarterly inspections of hazardous material storage facilities utilizing the Contractor Hazardous Materials Checklist ([HJB Form 951-1](#)). Maintain on site a current list of hazardous materials stored at the facility. Additionally, ensure a current SDS for each product used or stored is present and on file at the site where the product is used or stored.

3.3.5 Hazard Communication Program

Have a written OSHA-compliant Hazard Communication program, which explains how personnel are informed and trained concerning hazardous materials in the workplace as required by federal, state and JBLM regulations. Locate the written program at a hazard communication station that is accessible to all Contractor personnel and ensure it contains the following sections:

- a. A current inventory of hazardous materials, who is responsible for classifying a product as a hazardous material, and how the inventory is updated.
- b. Labels and other forms of warning: This section must describe the procedure for ensuring that each hazardous material container is clearly labeled and has the appropriate warnings. The section also states who is responsible for labeling requirements and how label information is updated.
- c. SDS file: Describe the location of the SDS file, who maintains the file, and how personnel may access the file,. Also describe what is done when a product is received without the SDS and how the SDS file is updated.
- d. Personnel training and information: Describe initial and refresher training provided to personnel concerning the hazards of the hazardous materials in the workplace, the training provided, and who conducts the training.
- e. Information to non-Contractor personnel: Describe how non-Contractor personnel are informed about possible hazards, where SDS copies can be obtained, and what PPE is required in the workplace.

-- End of Section --