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## **ENVIRONMENTAL PROTECTION REQUIREMENTS FOR SUBCONTRACTORS**

### **A. REMARKS**

1. The purpose of this document is to ensure compliance with federal, state, local, and Air Force Environmental regulations for Lockheed Martin Space Systems - Astronautics Operations (LMAO) Vandenberg Launch Operations and Lockheed Martin subcontractors.

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### **B. GENERAL**

1. This document provides guidance necessary for satisfactory implementation of environmental regulatory requirements at Vandenberg Air Force Base (VAFB). The agency selected to perform work, as a subcontractor to LMAO, will here in after be referred to as the contractor. This document is intended to provide those specific instructions that will enable standard procedures and a standard interface with appropriate government and government contractor agencies.
2. Application and Implementation:
  - a. The guidance contained herein is applicable to the contractor for all work performed at VAFB under contract with LMAO, and will be implemented for the duration of contract.
    - (1) LMAO as prime contractor, provides overall contract management, and therefore reserves the right to monitor contractor operations for compliance with safety and environmental protection requirements. LMAO is the sole interface with the Air Force or its representatives for resolving any environmental protection issues on VAFB involving the contractor/project.
    - (2) In performing work for LMAO, the contractor shall comply with all applicable federal, state, county, local and Air Force environmental protection laws, rules, regulations, and procedures. In the event of differences in the interpretation of these documents, LMAO shall be the final authority for their resolution and coordination with the Government.
    - (3) Where a regulatory requirement exists that requires a contractor to be registered or licensed to perform specified work (such as asbestos related), the contractor shall be responsible for maintaining that registry and for all decisions and tasks within its scope.
    - (4) Contractor shall not vacate the site until all LMAO Environmental, Safety, and Health (ESH) requirements are met.
    - (5) Projects requiring land alteration resulting in potential erosion control problems shall have an erosion control and revegetation plan as part of the construction plan (except those generated by Lockheed Martin). Such plans are subject to review and approval by LMAO ESH.
    - (6) The use of chemicals that contain methylene chloride or other substances known or suspected by Cal/EPA or California or federal OSHA to be a carcinogen or mutagen at concentration greater than 0.1% is prohibited

### **C. RESPONSIBILITIES**

1. LMAO Resident Engineer will:
  - a. Provide LMAO ESH with the work package schedule and deliverables submitted by the contractor.
  - b. Investigate any incident and provide LMAO ESH with the incident report. Assist LMAO ESH with follow-up and resolution of the incident report.

2. LMAO ESH will:

- a. Ensure the contractor complies with all applicable federal, state, county, local and Air Force environmental protection laws, rules, regulations, and procedures. ESH shall provide periodic surveillance/audits of contractor operations to evaluate environmental compliance with applicable requirements, and reserves the right to exercise stop work authority.
- b. Notify the contractor, through the LMAO Resident Engineer, of any noncompliance with the provisions of this document or other contract requirements and the corrective action to be taken. The contractor shall, after receipt of such notification, promptly correct or mitigate the condition(s).
- c. Provide the interface with the Air Force or its representatives for resolving any environmental protection issues on VAFB involving the contractor.
- d. Prior to use, approve usage of all hazardous materials on-site.
- e. Perform a pre-shipment inspection of the hazardous waste. The following items will be inspected to ensure compliance:
  - (1) Hazardous Waste Characterization Form (Form CAP-021) describing the process generating the waste is signed, and labels and markers are affixed to drum(s).
  - (2) Drum in good condition, free of corrosion or rust.
  - (3) Drum is sealed/locked/bolt & ring secured.
  - (4) Drums are on pallets (when applicable).
  - (5) Drums are tied down or banded to pallets or tied down securely (when applicable).
- f. Provide technical guidance for the disposal of solid wastes.

3. Contractor will:

- a. Comply with all applicable federal, state, county, local and Air Force environmental protection laws, rules, regulations, and procedures to include, but not limited to:
  - (1) Asbestos requirements found in 29 CFR Part 1910 and 40 CFR Part 61.
  - (2) SBCAPCD Rules and Regulations with special consideration given to the rules given in section C.3.h.(5).
  - (3) 30<sup>th</sup> Space Wing (SW) Lead Based Paint Management Plan (32-1002)
  - (4) 30<sup>th</sup> SW Asbestos Management Plan, (32-1052-A) and Asbestos Operating Plan (32-1052-B)
  - (5) 30<sup>th</sup> SW Plan Hazardous Materials Emergency Response Plan (32-4002)
  - (6) 30<sup>th</sup> SW Hazardous Waste Management Plan (32-7043-A)
- b. Appoint an environmental point of contact that would be responsible for the identification, handling, storage, and disposal of hazardous waste.
- c. Immediately report all spills, through the LMAO Resident Engineer to LMAO ESH when they are discovered.
- d. Immediately report the discovery of previously undocumented asbestos to LMAO when discovered.
- e. Prior to work efforts, provide one copy of each MSDS to LMAO to ensure material/chemical compliance and right-to-know requirements. Materials must be approved before use. Please allow 48-hours for approval of materials.
- f. The contractor shall be responsible for timely application for, and maintenance of, air emission permits/registrations for equipment and water pollution source/discharge permits to be operated by the contractor at VAFB in support of the contract.
- g. If applicable for Hazardous Waste, the contractor will:
  - (1) Provide LMAO with an initial hazardous waste forecast for the period of contract. Updates will be required when a new waste deviates from the original forecast. At a minimum, the forecast will describe the hazardous waste, the physical state of the waste (liquid or solid), the quantity to be produced, the type of container (drum, pallet or bulk) and geographical location of the waste.

- (2) Provide a spill prevention plan and hazardous waste contingency plan appropriate for the materials to be used and for the waste to be generated. The documents must discuss emergency reporting response, clean-up procedures, and responsibilities. If appropriate, the hazardous waste contingency plan can be part of the spill prevention plan. A sample plan is included as Attachment 1 of this document.
- (3) Make every attempt to reduce quantities of hazardous waste by source reduction, recycling, reclamation, reuse, or by LMAO approved process change.
- (4) Provide to LMAO the hazardous waste training records of employees who will be performing hazardous waste functions. The contractor is obligated to keep the training records current as employees are added or additional training is completed.
- (5) Initiate, complete, and sign the Hazardous Waste Characterization Form (Form CAP-021) (Reference Attachment 1). The contractor will coordinate the completion of the Hazardous Waste Characterization Form (HWCF) with LMAO ESH.
- (6) Place all hazardous waste generated during performance of work shall be placed into properly labeled and approved United Nations/Department of Transportation (DOT) containers. Approved hazardous waste containers must satisfy 30<sup>th</sup> SW Plan 32-7043-A container requirements. The contractor shall procure the hazardous waste containers. The containers will not be returned. When the HW is first placed in a drum, LMAO ESH will be notified.
- (7) Upon LMAO ESH approval, accumulate hazardous waste at the LMAO ESH approved Satellite Accumulation Point (SAP). Up to one quart of acutely hazardous or extremely hazardous waste or 55-gallons of hazardous waste may be accumulated in drums for 270 days. When the quantity limitation is reached, filled containers will be turned into the LMAO 45-day CAP within three days. The contractor will be responsible for the handling and transportation of the waste to the CAP.
- (8) Equip the SAP with the following:
  - (a) Secured area or waste cabinet/waste locker.
  - (b) A means of preventing inadvertent spillage of hazardous waste from contaminating the surrounding environment, (for example; curbing, temporary sandbags, etc.).
  - (c) Clear space of thirty-six (36) inches for rows of containers or pallets.
  - (d) Container rows are not to exceed a depth of eight (8) feet or two pallets.
  - (e) Segregation of incompatible wastes (such as oxidizers, flammables, acids, bases, and general wastes).
  - (f) Use of overhead shelters or drum covers.
  - (g) A source of communication (for example, nearby telephone or portable radio transmitter).
  - (h) Chemical warning signs and "No Smoking" signs (as applicable).
  - (i) Portable fire extinguishers.
  - (j) Spill cleanup equipment.
  - (k) Appropriate personnel protective equipment.
- (9) Maintain a file of all hazardous waste documentation (for example, training records, waste analyses, inspection reports, etc.) at the contracted work location. This file will be available for LMAO/Air Force review. Upon completion of the contracted task, the contractor will provide LMAO all hazardous waste documentation produced by the contracted activity.

h. If applicable for Air Emissions, the contractor will:

- (1) Identify all expected air emission sources that require permitting or registration to LMAO prior to commencement of work. A copy of the permit/registration will be provided to LMAO prior to operation of equipment and maintained at the location where the equipment is operated.
- (2) Ensure that all air emission sources are operated and maintained as required by the permits/registrations conditions. The contractor will advise LMAO if failures or deficiencies occur in the operation of the equipment.
- (3) Ensure reporting requirements are maintained consistent with the permit/registrations. Copies of the reporting requirements will be given to the LMAO.

- (4) Shall maintain a daily log of the amounts and types solvents used on-site. This log will be submitted to LMAO on a monthly basis or at the conclusion of the work effort, which ever is shorter. In addition, the contractor shall keep track of the usage of all paints, sealant, and adhesive used on-site and supply LMAO with a usage report monthly or at the conclusion of the work effort, which ever is shorter.
- (5) Comply with the following, but not limited to, SBCAPCD Rules:

<b>SBCAPCD RULES:</b>	
102	Photochemical Reactive Solvents
201	Permits Required
302	Visible Emissions
303	Nuisance
306	Dust or Fumes in Northern Zones
317	Organic Solvents
322	Metal Surface Coating Thinner and Reducer
323	Architectural Coatings
324	Disposal and Evaporation of Solvents
330	Surface Coating of Metal Parts and Products
337	Surface Cooling of Aircraft and Aerospace Vehicle Parts and Products
339	Motor Vehicle and Mobile Equipment Coating Operations
351	Surface Coating of Wood Products
353	Adhesives and Sealants

i. If applicable for Water Quality, the contractor will:

- (1) Identify all expected water pollution sources/discharges that require permitting to LMAO prior to commencement of work and maintain those permits for operation of equipment on VAFB in support of the contract.
- (2) Provide LMAO with an initial industrial wastewater forecast that includes management practices to prevent contamination of surrounding areas and a description of how the wastewater will be produced, the likely contaminants, and how the wastewater will be collected and stored.
- (3) Will coordinate with LMAO to obtain sampling support. If sample results indicate wastewater is a hazardous waste, the contractor will handle the wastewater in accordance with Section C.3.g of this document.
- (4) Not allow the discharge of any hazardous materials or wastes into the site sanitary sewer or stormwater drains.

j. If applicable for Solid Waste, the contractor will:

- (1) Provide LMAO with an initial solid waste forecast for the period of contract. Updates will be required when a new waste deviates from the original forecast. At a minimum, the forecast will describe the solid waste, the quantity to be produced, the type of container (drum, pallet or bulk) and geographical location of the waste.
- (2) Dispose of the solid waster per the directions of LMAO.

k. If applicable for Abrasive Blasting, the contractor will:

- (1) Ensure that the blast media is California Air Resources Board certified.
- (2) Provide a temporary containment shelter to contain ALL abrasive blast media used in the operation. The contractor will coordinate with LMAO prior to setting up containment shelter.
- (3) Collect used abrasive blast media and containerize in approved waste containers.
- (4) Contact LMAO for sample coordination of the containerized blast material.
- (5) Shall maintain a daily log of the amount of abrasive blasting media used on-site. This log will be submitted to LMAO on a monthly basis or at the conclusion of the work effort, which ever is shorter.

- l. If applicable for Polychlorinated Biphenyls (PCBs), the contractor will
  - (1) Not use PCB materials. If work with PCBs is necessary, the contractor shall comply with all applicable federal, state, local and Department of Defense (DOD) laws and regulations regulating the storage, use, disposal and record keeping for PCBs of PCB items.
  - (2) Prevent PCB contamination to the environment in the performance of work. The contractor will identify any found items containing PCBs to LMAO.
- m. If applicable for Asbestos, the contractor will:
  - (1) Not use asbestos-containing materials.
  - (2) Be registered to perform the task in conformance with the California Labor Code, Part I, Division 5; and shall comply with the requirements outlined in SBCAPCD Rule 1001.
- n. If applicable, for Lead-Based Paint Removal, the contractor will:
  - (1) Submit a written Lead-based Paint Removal Plan to include:
    - (a) Work practices covering area preparation, Personal Protective Equipment to be used, methodology used to remove, and post work area clean up.
    - (b) Certifications and work experience of foreman and workers.

**D. REFERENCES**

1. Forms

Hazardous Waste Characterization Form (HWCF)	Form CAP-021
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2. Documents

<a href="#">SBCAPCD Rules and Regulations</a>	-
30 <sup>th</sup> Space Wing (SW) Lead Based Paint Management Plan	32-1002
30 <sup>th</sup> SW Asbestos Management Plan	32-1052-A
Asbestos Operating Plan	32-1052-B
30 <sup>th</sup> SW Plan Hazardous Materials Emergency Response Plan	32-4002
<a href="#">30<sup>th</sup> SW Hazardous Waste Management Plan</a>	<a href="#">32-7043-A</a>

**E. ATTACHMENTS**

Sample Spill Prevention Plan/Sample Hazardous Waste Contingency Plan	Attachment 1
Hazardous Waste Characterization Form (HWCF) Form CAP-021	Attachment 2
Instructions for HWCF	Attachment 3
Matrix of Deliverable Items	Attachment 4

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## Sample Spill Prevention Plan/Sample Hazardous Waste Contingency Plan

## SAMPLE CONTINGENCY PLAN

FACILITY NAME: \_\_\_\_\_ NUMBER: \_\_\_\_\_

RESPONSIBLE ORGANIZATION: Company XYZ

EMERGENCY PHONE NO.: (805) 999-9999

PRIMARY EMERGENCY COORDINATOR: John Smith  
ADDRESS: Any St, Anywhere CA 99999DUTY PHONE: 999-9999  
PAGER: 999-9999SECONDARY EMERGENCY COORDINATOR: Jane Doe  
ADDRESS: Any St, Anywhere CA 99999DUTY PHONE: 999-9999  
PAGER: 999-9999

## COMMUNICATIONS EQUIPMENT:

EMERGENCY EQUIPMENT, LOCATION, AND CAPABILITIES:			
#	Item	Location	Capabilities
1	Fire Extinguisher	In office	Various types
2	Spill Control Equipment	In equipment trailer	
3	First Aid Kit	In office and equipment trailer	Full first aid kits
4	Decontamination Equipment	In equipment trailer	Solvents and neutralization chemicals
5	PPE	In equipment trailer	Gloves, goggles, and boots.
6	Bung Wrench	In equipment trailer	Multi use wrench
7	Shovel	In equipment trailer	Square and round nose
8	Broom	In equipment trailer	Push and general sweep broom
9	Dust Pan	In equipment trailer	Plastic and metal
10	Tool Box	In equipment trailer	Full wood and metal shop
11	Polyethylene bags	In equipment trailer	Various size from 4x6 to 36x36 inch
12	Overpack/Extra Drums	In equipment trailer	
13	Pallets	In equipment trailer	Four drum pallets
14	Spill Absorbent/Diking Material	In equipment trailer	Kitty litter.

## MATERIAL SAFETY DATA SHEET LOCATION:

## HAZARDOUS WASTE PROFILE SHEET LOCATION:

## 1. In the event of a spill or emergency at this facility, take the following actions:

- A. Evacuate, if necessary. (Attach evacuation plan.)
- B. Activate internal alarm system, if applicable.
- C. If the situation involves a fire, explosion, and/or personal injury, **CALL 911**.
  - 1) Use fire extinguishers only on small fires. Do not fight large fires.
  - 2) Provide assistance to any injured person(s).
  - 3) Direct the Fire Department to source of fire when they arrive. Assist the Fire Department, when requested.
- D. If the situation involves a hazardous substance spill or leak:
 

**CALL 911 or NOTIFY: Base Command Post (606-9961) and 30 CES/CEV (606-1921) as conditions necessitate.**

  - 1) Provide assistance to any injured persons, flushing off affected body parts, evacuate area (if necessary).
  - 2) Don appropriate protective wear: suits, boots, gloves, and eye and respiratory protection as necessary.
  - 3) Contain spill or leak by diking with absorbent material, if possible.
  - 4) Visually identify the extent of contamination.

- E. The Emergency Coordinator (or designee) shall identify the character, exact source, amount, and extent of any material released. An initial assessment will be made to determine equipment necessary for site clean-up and waste removal from unserviceable tank or secondary containment system to facilitate repair or replacement. Identification of unique clean-up equipment shall be made as early as possible.
- F. The Emergency Coordinator will conduct an assessment of possible hazards to human health or the environment that may result from the incident.
- G. The Emergency Coordinator will assist the Base Disaster Response Team with all information necessary to decide whether local areas should be evacuated.
- H. The Emergency Coordinator will provide information requested by the Base Command Post and 30 CES/CEV when any quantity of hazardous waste/material is released to the environment. As a minimum, the following information shall be reported:
  - 1) Name and telephone number of reporter
  - 2) Name and address of facility
  - 3) Time and type of incident (e.g., release, fire)
  - 4) Name and quantity of material(s) involved, to the extent known.
  - 5) The extent of injuries, if any
  - 6) The possible hazards to human health or the environment outside the facility

**NOTE:**

30 CES/CEV is the responsible agency on Vandenberg Air Force Base for notification of hazardous waste/material incidents to federal and state agencies.

30 CES/CEV	Phone: 606-1921
State Office of Emergency Services	Phone: 1-800-852-7550
Dept. of Toxic Substance Control (Region 3 Duty Officer)	Phone: 1-818-551-2830

**2. The Emergency Coordinator (or designee) will ensure post-emergency inspection, documentation, and recovery actions are initiated immediately following emergency termination.**

- A. The Emergency Coordinator (or designee) will take charge of clean-up operations.
  - 1) An inventory of waste material containerized.
  - 2) Hazardous waste documentation initiated and containers labeled.
  - 3) Hazardous waste removed to designated waste collection point.
- B. The Emergency Coordinator (or designee) shall ensure all emergency equipment listed in the Contingency Plan is cleaned, replaced, and fit for its intended use before operations resume.
- C. Conduct a critique of the incident as soon as possible to make appropriate adjustments to reporting, response actions, clean-up, and post-inspection activities. Recommendations to prevent incident recurrence will also be addressed. Amend the Plan whenever the:
  - 1) Facility permit is revised or regulations affecting the facility change.
  - 2) Plan fails in an emergency.
  - 3) Facility changes in its design, construction, operation, maintenance, or other circumstances in a way that materially increases the potential for fires, explosions, or releases of hazardous waste or hazardous waste constituents, or change the response necessary in an emergency.
  - 4) List of emergency coordinator's change.
  - 5) List of emergency equipment changes.

Plan Date: \_\_\_\_\_

Hazardous Waste Characterization Form (HWCF) FORM CAP-021

PART I - GENERATOR INFORMATION

A. Generation Point (Bldg #) CAP (Bldg #) SAP (Bldg #)
B. Organization: Supply Shop Code:
C. Technical Point of Contact (print): Phone:
Title:

PART II - PROCESS INFORMATION

A. Is this material an unused, expired shelf life, or off-specification product? (Circle) Yes No (If Yes, attach MSDS and list FSC #, and NIIN #, then go to H.)
B. Short name of process generating waste (5 words or less):
C. Intended purpose or use of material for this process:
D. Identify all products used during the process (Hazardous and Non-Hazardous):

Table with 4 columns: Product Name/Common Name, % of Waste, Product Name/Common Name, % of Waste

NOTE: TOTAL CONCENTRATION OF ALL COMPONENTS (HAZARDOUS & NON-HAZARDOUS) MUST EQUAL 100%

E. Identify any contaminants in the waste and any potential sources of contamination:
F. If this waste stream has been sampled, attach analytical results and indicate most recent sample date:
G. If the waste is the result of a process, describe how each material listed in Parts D and E were used in the process.

H. Physical Data: Physical State (Circle one): Liquid Solid Gas Sludge Aerosol pH
Color of Waste: Layering (Circle one): Single Bi-layered Multi-layered
I. Projected Annual Weight (pounds) (This includes one time turn-ins)

PART III - GENERATOR CERTIFICATION

A. I, hereby certify that the descriptions and information I have submitted for the completion of this HWPS is to the best of my knowledge an accurate representation of the waste and waste generating process.
I have a process in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practical.
B. Basis for Information:
User Knowledge (Attach MSDSs or other supporting documentation)
Chemical Analyses (Attach analytical results)
C. Signature of Generator Representative: Date:

For Internal Use Only: Process Code: GA #: VAFB Profile #:



## Instructions for HWCF

**HAZARDOUS WASTE CHARACTERIZATION FORM INSTRUCTIONS****INTRODUCTION**

These instructions are intended to guide the generator of HW to complete the Hazardous Waste Characterization Form (HWCF) used by the profiler to characterize the HW stream onto a Hazardous Waste Profile Sheet (HWPS). Before filling out the HWCF, the generator must be knowledgeable about the process generating the waste and have access to the documentation for each material/product in the process. This form is subject to minor changes and the most up to date form should be used.

The following instructions provide guidance and some examples on how each line item should be filled out. Please take the time necessary to complete the form so that the reader can understand all parts of the process, including materials input and the resulting waste generated. Please do not leave any spaces blank. Place "N/A" or indicate that the space is not applicable to your particular process, write legibly, and attach additional page(s) if necessary. A HWCF must be completed for each process generating a hazardous waste. If the process has changed in any way since the initial characterization, you must again complete this form for the new process. HWCFs are required to be turned in with each waste stream on Vandenberg AFB.

**PART I - GENERATOR INFORMATION**

- A. Generator Point (Bldg #)** The building/location where the process takes place.  
**CAP (Bldg #)** - Is there a CES/CEV authorized CAP for this waste stream? If yes, list the building number(s).  
**SAP (Bldg #)** - Is there a CES/CEV authorized SAP for this waste stream? If yes, list the building number(s).
- B. Organization.** Indicate the organization generating the waste. **Supply Shop Code (DoDAC)** - Five Characters (3 numbers and 2 letters) used for billing purposes. *Example: 123AB*
- C. Technical Point of Contact (print).** This person is the main point of contact responsible for the characterization and turn in of the waste. This person must be available to answer questions about the process generating the waste. **Phone** - Telephone number where the technical point of contact can be reached and pager number if available.  
**Title** - The position title of the technical contact.

**PART II - PROCESS INFORMATION**

- A. Is this material an unused, expired shelf life, or off specification product? (Circle)** This will notify the sampler/profiler that the waste is a pure product and should not be contaminated from any outside sources. If the answer to this question is "Yes," please attach an MSDS and annotate the Federal Stock Class (FSC). If using the HMIS, annotate the National Item Identification Number (NIIN), then go to line H.
- B. Short Name of Process Generating Waste (5 words or less).** This is the name of the process, not the name of the resulting waste. The short name is for reference purposes only; it is not an official name of the process. Indicate if waste is a result of a spill clean-up. *Example: Annual vehicle motor oil changeout*
- C. Intended purpose or use of material for the process.** Some products may have multiple uses, indicate the use of the material in this particular process.  
*Example: Isopropanol used for metal parts cleaning, floor cleaning, and wipedown of system components*
- D. Identify all products used during the process (Hazardous and Non-Hazardous).** Please identify the products used during the process. Do not break down the products into ingredients. Attach MSDSs of products which are listed.  
*Example: Products - Mobil Oil 10W-30      Common Name - Isopropyl Alcohol*  
**% Of Waste** - Indicate the percent of each product or material in the waste container. Ranges are recommended if you do not know the exact percentage of a given material or product (*max range = 20%*). If laboratory analysis was conducted enter the analytical concentration for the components listed and specify the units for each.  
*Example for Antifreeze Solution:    Ethylene Glycol 45-55%, Water 45-50%, Dirt <1%*
- E. Identify any contaminants in the waste and any potential sources of contamination.** Indicate if there is any suspected contamination from a piece of equipment or other source and identify the source.

*Example for Automobile Engine Oil Changeout: May be contaminated with heavy metals from engine friction*  
*Example for Refrigerant Compressor Oil Changeout: May be contaminated with CFCs from leaky Freon system*

**F. Has the waste stream been sampled within the last year?** If yes, please attach analytical results and annotate the most recent sample date. If a waste stream has been sampled more than one year ago, the results may need to be verified and not totally reanalyzed. Past analytical results can be used as a reference to request the necessary analytical methods for the waste.

**G. If this waste is the result of a process, describe how each material listed in Parts D and E were used in the process.** Please describe how each of the materials/products is used in the process and any specifics about the process that will change the characteristics of the waste. Also include the way in which non-hazardous materials were used in the process. Be specific enough so that someone can understand how each product is used for the final outcome of the process and resulting hazardous waste. You may reference the products and materials using the corresponding numbers designated in Part D.

*Example: #1 was mixed with #3 and used as a cleaning solution for metal parts/components cleaning.*

*Example: #1 was mixed with #2, solidified on the surface of the parts and subsequently scraped off and collected.*

**H. Physical Data:**

**Physical State** - Circle the state in which the waste currently exists.

**pH of waste** - If the waste is aqueous and can be safely field-tested, indicate the result (as applicable).

**Color of waste** - Indicate the color of the waste as it currently exists (*e.g., green, red/clear*).

**Layering** - Circle the applicable layering of the waste as it currently exists.

- **Single** - Waste is homogeneous (*e.g., water*)
- **Bi-layered** - Waste has two layers which may or may not be of the same phase (*e.g. oil & water*)
- **Multi-layered** - Waste has more than two layers (*e.g. oil & water & sludge*)

**I. Projected Annual Weight.** Indicate the approximate weight of the waste for the current year (in pounds).

### **PART III - GENERATOR CERTIFICATION**

**A. Certification Statement.** Print the name of generator to certify that the descriptions and information submitted is an accurate representation of the hazardous waste and the process generating waste.

**B. Basis for Information.** Check the space that indicates the way in which your waste will be characterized.

**User Knowledge** - If you have enough information about your waste and process to characterize your HW, attach MSDSs for each material, and any other relevant information regarding the waste stream. MSDSs must be dated within three (3) years of turn-in of the hazardous waste.

**Chemical Analyses** - If you cannot characterize your waste based on user knowledge or do not know the particular levels of contamination, attach the analytical results for past chemical analyses. Analytical results must be dated within one (1) year of turn-in of hazardous waste.

**C. Signature of Generator Representative.** The signature is required of the person who is responsible for the generation and disposal and is the most knowledgeable about the process generating the hazardous waste stream.

## Matrix of Deliverable Items

**REFERENCE  
LIST OF REQUIRED DOCUMENTS**

Program: Lockheed Martin

Project: \_\_\_\_\_

Location: \_\_\_\_\_

The documentation listed below shall be submitted in the form, type, and quantities within the number of working days of related events all as indicated below. Documentation description appears in VP 60.00.48.

Line No.	Req'd		Documentation	Review	Approval	Form/Type/Qty						Days			Event		Ref. Para. No.		
	Proposal	Contract				Prelim	Working	Final	Reprod	Print	Photocopy	Prior	At/With	After	Start	Complete		Activity	
1		X	MSDS		X			X				1	2			X		OPERATION	C.3.e
2		X	HW Forecast	X		X	X					1	2			X		OPERATION	C.3.g.1
3		X	Spill Prevention Plan		X			X				1	2			X		OPERATION	C.3.g.2
4		X	HW Contingency Plan		X			X				1	2			X		OPERATION	C.3.g.2
5		X	HW Training Records	X				X				1	2			X		OPERATION	C.3.g.4
6		X	HWCF		X	X		X				1		X				OPERATION	C.3.g.5
7		X	Air Permit/Registrations	X				X				1	2			X		OPERATION	C.3.h.1
8			Air Reporting Requirements	X				X				1	2			X		OPERATION	C.3.h.3
9		X	Monthly Chemical Usage	X			X	X				1		X	1		X	OPERATION	C.3.h.4
10		X	Wastewater Forecast	X		X	X					1	2			X		OPERATION	C.3.i.2
11		X	Solid Waste Forecast	X		X	X					1	2			X		OPERATION	C.3.j.1
12		X	Abrasive Blasting Media Usage	X			X	X				1		X	1		X	OPERATION	C.3.k.5
13			Lead-based Paint Removal Plan		X			X				1	2			X		OPERATION	C.3.n.1.a
14		X	Lead Certification/Experience		X		X	X				1	2			X		OPERATION	C.3.n.1.b