

APPENDIX 2-3
PCAPP EDS INSPECTION LOG SHEETS

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**PCAPP EDS Daily (When in Use) Operational Inspection Checklist
EXAMPLE**

Environmental Enclosure 1 or 3

Inspected By: _____ **Date:** _____
Signature: _____ **Time:** _____

No.	Activity	Yes, No, or Not Applicable (NA)?	Corrective Action Required? If Yes, provide detail below.
EDS Containment Vessel (Interior and Exterior)			
1	Are there any spills, leaks, or liquids in the area?		
2	Does the exterior—tubing and valves—show any signs of corrosion, leakage, or other physical damage, such as tears, stresses, gouges, rips, cracks, loose screws, etc.? [Subpart CC]		
3	Does the interior show any signs of physical damage that would impair treatment capability?		
4	Are the Waste Transfer Subsystem hoses/connections from the vessel door to liquid waste containers in good condition? Are the sealing surfaces of the vessel clean and in good condition? [Subpart CC]		
EDS Waste Transfer Subsystem			
5	Are containers in good condition, i.e., no signs of deterioration, rust, corrosion, or leaking? [Subpart CC]		
6	Is there adequate aisle spacing between containers and walls of the Environmental Enclosure?		
7	Does the secondary containment for waste containers show signs of cracks, flaking, chips, gouges, or obvious wear or deterioration? [Subpart CC]		
8	Does the secondary containment for waste containers have signs of drips, spills, or leaks or any accumulated liquids?		
EDS Trailer/Skid Secondary Containment Pan			
9	Does secondary containment pan show liquids, leakage, or signs of corrosion, or other physical damage, such as cracks, gaps, or holes?		
Enclosure Floor Area Secondary Containment Systems			
10	Does the enclosure floor area secondary containment berm show signs of cracks, flaking, chips, gouges, or obvious wear or deterioration? Are there signs of drips, spills, or leaks or any accumulated liquids?		
EDS Lift Assist – IF THE LIFT ASSIST IS NOT BEING USED, DO NOT COMPLETE THIS SECTION.			
11	Has the lift assist unit been visually inspected to confirm that the unit is marked with load rating and the date of next inspection?		
Environmental Enclosures			
12	Is the structural integrity of each environmental enclosure showing signs of rips, tears, holes, gaps, or other deterioration? Presence of leaks?		

Comments/Discrepancies/Remedial Work Required:

Date Corrective Action Completed:

Verified by:

**PCAPP EDS
Daily Inspection (When in Use)
EXAMPLE**

Inspected By: _____ Date: _____

Signature: _____ Time: _____

No.	Activity	Yes, No, or Not Applicable (NA)?	Corrective Action Required? If Yes, provide detail below.
Communication Equipment			
1	Are landline telephones, cellular telephones, hand-held radios or other communication equipment present and operable?		
2	Is closed-circuit television operable and are visual clarity/tilt, pan, and zoom functions acceptable?		
3	Has the integrity of audible/visual alarm been checked?		
Personnel Decontamination Station			
4	Is appropriate and adequate decontamination solution present? Is PDS easily accessible? Is PDS equipment present and operable?		
Spill Kits and Emergency Response Equipment			
5	Do Spill Kits contain sufficient inventory? Are items in good condition and within expiration dates (as applicable)?		
6	Is emergency response equipment such as shovels, brooms, overpacks, present onsite, in sufficient quantities and in good condition to support response actions?		
Monitoring (MINICAMS[®] and DAAMS)			
7	Are monitors in good physical condition? Operating properly? Are diagnostic indicators operating?		
8	Are sample lines and connections in good condition? Is heat trace functional? Proper ventilation for exhaust?		
9	Was chemical agent challenge test and calibration conducted?		
Boiler/Chiller Container Subsystem			
10	Perform visual inspection of components. Is steam generator in good physical condition? Is any damage present?		
11	Are the flowmeters and the controls mounted on the small skid functioning and operable?		

Comments/Discrepancies/Remedial Work Required:

Date Corrective Action Completed:

Verified by:

**PCAPP EDS Site
Monthly Inspection
EXAMPLE**

Inspected By: _____ **Date:** _____

Signature: _____ **Time:** _____

No.	Activity	Yes, No, or Not Applicable (NA)?	Corrective Action Required? If Yes, provide detail below.
Fire Extinguisher			
1	Are fire extinguishers present and operable? Is there adequate gauge pressure? Is the equipment within the service date?		
Emergency Generators			
2	Start generators; check voltage current and frequency output regularity and filter differential pressure. Are units operable?		
Security			
3	Is fencing of good integrity; any intrusion, or obstruction by vegetation or other damage?		
4	Are warning signs present and legible?		

Comments/Discrepancies/Remedial Work Required:

Date Corrective Action Completed:

Verified by:

**PCAPP EDS Site
CSU H1102
EXAMPLE ANNUAL INSPECTION**

Name of Inspector: _____

Date and Time of Inspection: _____

Inspection Items	Results	Corrective Action Required?
	Yes or No	Yes or No [If Yes, Provide Details Below]
CSU H1102 Carbon Filtration System		
Has the validation been conducted in accordance with PCD SOP PU-0000-R-491?		

FOR CORRECTIVE ACTIONS: PROVIDE DESCRIPTION OF CORRECTIVE ACTION(S) AND DATE(S) COMPLETED BELOW.

**PCAPP EDS Site
CSU H1102 and H1103
EXAMPLE WEEKLY INSPECTION**

Name of Inspector: _____ **CSU:** _____

Date and Time of Inspection: _____

Inspection Items	Results	Corrective Action Required?
	Yes or No	Yes or No [If Yes, Provide Details Below]
Containers		
Are munition pallets or containers or signs in area labeled with the words "Hazardous Waste," description of contents, applicable waste codes and/or DOT label or wording indicating primary hazard, and accumulation start date?		
Are waste containers stacked ONLY 1 high on containment pan? (Must not be more than 1 high)		
Are containers in good condition (i.e., show no signs of deterioration, rust, corrosion, or signs of leaks)? [Subpart CC]		
Are there any visible cracks, holes, gaps, or open spaces in the interior of the container when cover and closure devices are secured in the closed position? [Subpart CC]		
Are containers securely closed (except when adding or removing wastes)? [Subpart CC]		
Does any container require repairs? If yes, defect must be repaired or container replaced within 5 days of finding. [Subpart CC]		
Are storage area warning signs present and visible?		
Is adequate aisle space maintained in area to allow unobstructed movement of personal and safety/response equipment?		
Has inventory been verified to be within the permitted capacity for permitted storage?		

Inspection Items	Results	Corrective Action Required?
	Yes or No	Yes or No [If Yes, Provide Details Below]
Secondary Containment (Pallets)		
Does portable secondary containment pan show signs of cracks, holes, gouges, tears, excessive wear, or other physical damage?		
Does portable secondary containment pan show signs of drips, leaks, or spills? Are any accumulated liquids present?		
CSU Floor Area		
Is CSU floor in good condition without visible cracks or accumulated liquids?		
Have general areas been inspected for signs of leakage?		
Is communication system available and functioning? (e.g., radio)		
Are emergency response/spill kit items present and in sufficient supply?		
Are fire extinguisher and eyewash present and operable?		
Are igloo entry/exit doors functioning properly (free of damage, closes and locks)?		
Roll-Off Containers (CSU H1103 only)		
Are containers in good condition, i.e., no signs of deterioration, corrosion, rust, or leaks?		
Is container properly labeled?		
Is container covered and kept closed except when adding waste? [Subpart CC]		
Are all components (i.e., door hinge, latch, shaft, rollers, safety chain, ladder) present and functioning properly?		
Is a liner present?		
Is the container locked when not in use?		

FOR CORRECTIVE ACTIONS: **PROVIDE DESCRIPTION OF CORRECTIVE ACTION(S) AND DATE(S) COMPLETED BELOW.**

**PCAPP EDS Site
CSU H1102 and H1103
EXAMPLE MONTHLY INSPECTION**

Name of Inspector: _____ CSU: _____

Date and Time of Inspection: _____

Inspection Items	Results	Corrective Action Required?
	Yes or No	Yes or No [If Yes, Provide Details Below]
CSU Carbon Filtration System (CSU H1102 ONLY)		
Is the carbon filtration system adequately clean and in good condition, and free of visible damage or deterioration that may affect performance?		
Are vents clean and free of visible damage or significant deterioration? Are exterior and interior screens intact and dampers properly positioned?		
CSU (Exterior)		
Are security, warning signs, doors, locks, fire extinguisher, door vent, rear vent properly placed and operational? Is area clear of debris and vegetation?		

FOR CORRECTIVE ACTIONS: **PROVIDE DESCRIPTION OF CORRECTIVE ACTION(S) AND DATE(S) COMPLETED BELOW.**

**PCAPP EDS SITE SEMI-ANNUAL
Lightning Protection System (LPS) Inspection Sheet- Visual Inspection**

Facility _____

Inspector: _____ **Date:** _____

Identify Area: *(ex. Environmental Enclosure, Personnel Decontamination Station, or Mobile Analytical Platform)*

Inspect LPS components for the following:		Y/N	**Corrective Action [If Yes, Provide Details Below]	Comments
1.	Components broken or in need of repair?			
2.	Are there any loose connections?			
3.	Components free of corrosion? (Discoloration not considered corrosion)			
4.	Components free of breaks, cuts, and damage that will affect equipment integrity?			
5.	Bonding straps have more than 50% of wire strands broken?			
6.	Components weakened by vibration (e.g., wind)?			
7.	Are all components securely fastened to their mounting surfaces, including down conductors?			
8.	Are all ground conductors and terminals (visible portions) intact (e.g., not severed)?			
9.	Are there visual indications of damage to surge suppression (overvoltage) devices, if present?			
10.	Is there evidence of lightning strike damage that has degraded the integrity of the system?			
11.	Components protected against accidental mechanical displacement?			
12.	Have there been additions or alterations to the protected facility that would require additional protection or testing?			

References: PCD RCRA Renewal Permit, August 2013; DA Pam 385-64, Lightning Protection. LPS must be **visually** inspected **semi-annually**, including surge protection devices (SPDs).

** If the deficiency cannot be corrected immediately, the LPS inspection personnel shall record the deficiency and notify the installation safety office. If the LPS protects an ammunition or explosive storage structure, the custodian of the contents shall be notified (DA Pam 385-64).

Additional Comments/Discrepancies/Remedial Work Required:

Date Corrective Action Completed:

Verified by:

PCAPP EDS SITE
Lighting Protection System (LPS) Inspection Sheet–Electrical Inspection

Inspector (Print): _____ Date: _____

Signature: _____ Time: _____

Ohmmeter S/N: _____ Date: _____

Equipment:		Ohmmeter Readings (ohms):						Pass/Fail:
		CSU H1102	CSU H1103	EE1	EE2	ESM1	ESM2	
1.	PANEL (IDS BOX)							
2.	CONDUIT ENTERING IGLOO							
3.	PANEL (ELECTRIC S/W BOX)							
4.	PANEL (SERVICE BOX)							
5.	PANEL (SERVICE BOX)*							
6.	UPPER HINGE							
7.	LOWER HINGE							
8.	UPPER ARM							
9.	LOWER ARM							
10.	SECURITY PLATE							
11.	DOOR							
12.	DOOR VENT							
13.	LIGHT BRACKET							
14.	AERIAL #1							
15.	AERIAL #2							
16.	AERIAL #3							
17.	AERIAL #4							
18.	AERIAL #5 (VENT)							

Equipment:		Ohmmeter Readings (ohms):						Pass/Fail:
		CSU H1102	CSU H1103	EE1	EE2	ESM1	ESM2	
19.	REAR VENT							
20.	REAR VENT ARM							
21	ARM OPERATION (pass/fail)							
All values include the line resistance subtracted from the reading.								
*Test if Service Box is 400 square inches or greater IAW DA Pam 385-64.								
Pass/Fail Resistance:		ohms						
Line Resistance:		ohms						
Comments:								

References: PCD Hazardous Waste Permit, December 2013; DA Pam 385-64.

NOTE: LPS must be **electrically** tested for the electrical continuity of bonds **every 24 months**. LPS grounding rods subsystem must be tested **every 24 months**.

CSU = Container Storage Unit
 EE = Environmental Enclosure
 ESM = Explosive Storage Magazine