

# KSC ENVIRONMENTAL CHECKLIST

1. PROJECT TITLE: Activation of 90-Day Hazardous Waste Storage Site		2. PROJECT NO.: NA
3. PROJECT LOCATION: <input checked="" type="checkbox"/> KSC <input type="checkbox"/> CCAFS <input type="checkbox"/> PAFB <input type="checkbox"/> OTHER		4. FACILITY NAME/NO.: Haz Waste Staging Shelter / M6-0737
5. REQUESTOR/PROJECT LEAD: Donald Humphrys ORG/MAIL CODE: ISC-8200		6. PHONE NO.: 867-0478
7. PREPARER OF CHECKLIST: Donald Humphrys ORG/MAIL CODE: ISC-8200		8. PHONE NO.: 867-0478
9. PROJECT DESCRIPTION: <i>(Provide site plans, maps, etc. as separate attachment(s))</i> Open 90-Day hazardous waste storage area for construction projects.		
10. a-r. Check the appropriate box (Yes, No, Undetermined) to identify if any component of the proposed project (including, but not limited to: construction, installation, demolition, removal, activation or operation) will involve any of the items listed. Use the attached instructions. Provide more specific information for each item marked Yes or Undetermined in the third column.		
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Undetermined	a. <u>Construction/Modification/Demolition</u> : Constructing, altering, expanding, modifying (other than routine maintenance), or demolishing any building, pavement or structure.	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Undetermined	b. <u>Land Impacts</u> : Land disturbance, soil addition or removal, digging, grading, trenching, alteration or removal of vegetation, equipment/material staging area required, stockpiling and any activity in or near surface water (including ditches and low-lying areas).	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Undetermined	c. <u>Hazardous Material and Hazardous, Controlled or Universal Waste</u> : Use, storage, generation and/or disposal of any hazardous or toxic material, petroleum products or paint coatings.	Storage of hazardous waste
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Undetermined	d. <u>Asbestos Containing Material (ACM)</u> : Disturbance of construction material that may contain asbestos (i.e., roofs, walls, ceilings, floor tile, piping insulation, caulk, etc.).	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Undetermined	e. <u>PCBs</u> : Disturbance or replacement of electrical distribution systems, communication systems, lightning protection, transformers, non-liquid PCB materials or any other items believed to contain PCBs, including paint coatings.	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Undetermined	f. <u>Painting</u> : Initial application or repainting of a facility (interior or exterior), structure or utility.	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Undetermined	g. <u>Paint, Sealant, Caulking Removal</u> : Includes surface preparation such as sandblasting, scraping, water blasting or chemical stripping of existing paint coatings. Specify method.	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Undetermined	h. <u>Dewatering</u> : Use of conventional wellpoints, hydraulic pumps, or other means to transfer groundwater (including water in utility manholes) for project activities including utility trenching, foundation work, roadbed construction, stormwater treatment pond, and borrow excavation.	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Undetermined	i. <u>Stormwater</u> : Construction of new building, pavement, impervious, or semi-impervious surface and/or modification of an existing stormwater system. Give approximate square feet of impervious surface being added.	Sq Ft
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Undetermined	j. <u>Drinking/FIREX Water</u> : Installation or modification of potable water system. Include diameter of new water piping if known.	inches
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Undetermined	k. <u>Domestic/Industrial Wastewater</u> : Installation or modification of domestic sewer system, including septic tank systems, generation of process wastewater or modification to a system that handles or transports wastewater, including condensate lines, washdown effluent, outfalls, holding ponds and non-point source discharges associated with industrial applications/processes.	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Undetermined	l. <u>Air Emissions</u> : Installation or alteration of a stack, scrubber, exhaust fan, vent, generator, fume hood, cooling tower, boiler, halon fire suppression system, HVAC system, refrigeration system; or discharge from painting or sandblasting. Describe emission source.	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Undetermined	m. <u>Open Burning</u> : Burning of any land clearing debris.	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Undetermined	n. <u>Tanks</u> : Construction, modification, or repair of aboveground or underground storage tanks (including piping and/or containment). Give commodity stored and capacity.	gallons

<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Undetermined	o. <u>Transformers/Generators</u> : Installation, replacement or repair of transformers, generators, or any other oil-filled equipment. Give capacity.	gallons
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Undetermined	p. <u>Exterior Lighting</u> : Installation, refurbishment or modification of exterior lighting.	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Undetermined	q. <u>Radiation</u> : Generation of ionizing or non-ionizing radiation or use of any radiation source.	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Undetermined	r. <u>Other</u> : Please describe any other aspect of the proposed action that could potentially affect the environment. Use separate sheet if necessary.	



September 03, 2010

ISC1274-10

John Matthews  
Lead, Environmental Compliance  
Environmental Program Branch, TA-B1B  
National Aeronautics and Space Administration  
Kennedy Space Center, FL 32899

**ACTIVATION OF 90-DAY HAZARDOUS WASTE STORAGE SITE – HAZARDOUS WASTE STAGING SHELTER, FACILITY # M6-0737, KSC.**

Effective September 3, 2010, the ISC Facility # M6-0737, has been activated as a 90-Day Hazardous Waste Storage site.

This site is utilized to accumulate and store hazardous waste generated by the ISC Construction Management.

Should you have any questions or require additional information, please contact our office at 867-0478.

Sincerely,

Rena Mercadante  
Branch Manager  
ISC Environmental Assurance

Attachment – ISC Hazardous Waste Facility Site Activation Checklist

Email cc: L. Bryson – ISC-8200  
Pat Lynn – TA-B1B  
Curtis Byrd – IHA-200  
Rodney Brown – TA-B1B





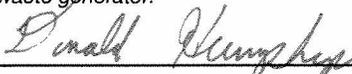
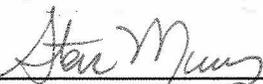
# ISC Hazardous Waste Facility Site Activation Checklist

<b>DATE:</b>	9 / 3 / 2010	<b>TIME:</b>	10:00 <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">a.m.</span> / p.m.
<b>FACILITY NUMBER:</b>	M6 - 0737		
<b>FACILITY DESCRIPTION:</b>	HAZARDOUS WASTE STAGING SHELTER		
<b>SITE CONTACT:</b>	RONALD SPENCER	<b>PHONE NUMBER:</b>	867-1184
<b>SITE MANAGER:</b>	BRIAN MILLER	<b>PHONE NUMBER:</b>	476-5653
<b>MAIL CODE:</b>	ISC - 4200		

USAF (A) NASA (N) BOTH (B)	RECORDKEEPING	90- Day Site (✓)	Satellite Area (✓)	N/A
B	Obtain a current ISC Waste Compliance Manual	✓		
Ensure the Manual Contains.....				
A	Current AF Operations Plan (OPLAN 19-14 and OPLAN 10-2)			✓
B	Current copy of ISC Waste Generator Handbook	✓		
Verify that personnel with hazardous waste management responsibilities have/will receive the following initial training....				
B	QG211KSC (initial hazardous waste training)	✓		
B	QG299KSC (universal waste training)			✓
B	QG368KSC (satellite accumulation area training)			✓
B	Develop job titles and descriptions for each position related to hazardous waste	✓		
Notify the following....				
B	ISC Safety (will conduct inspection)	✓		
B	JBOSC Fire Prevention (will conduct inspection)	✓		
N	NASA Environmental Program Branch	✓		
A	45 <sup>th</sup> CES/CEAN (through ESC)			✓
B	Develop weekly inspection log	✓		
Post ISC Contingency Plan with the following....				
B	Emergency contact and phone #	✓		
B	List of emergency equipment	✓		
B	Instructions for dialing 911 (including cell phones)	✓		
B	Evacuation Plan	✓		
USAF (A) NASA (N) BOTH (B)	EQUIPMENT	90- Day Site (✓)	Satellite Area (✓)	N/A
Are satellite accumulation containers....				
N	Under control of the operator (within visual contact) and no more than 50 feet from the point of generation or have a site specific exemption from NASA EFB			
A	At or near the point of generation and under the control of the operator or have a site specific exemption from 45 <sup>th</sup> CES/CEAN			
B	Provide grounding equipment for adding or removing ignitable/flammable wastes from containers	✓		

USAF (A) NASA (N) BOTH (B)	EQUIPMENT (Continued)	90-Day Site (✓)	Satellite Area (✓)	N/A
B	Confirm fire control equipment is present and has been inspected and approved by JBOSC Fire Prevention	✓		
B	Confirm that incompatible wastes are separated (i.e., by wall, berm, dike, etc.)	✓		
B	Confirm that a communication/warning system (i.e., air-horn, bell, etc.) or alarm system is present and operational	✓		
B	Confirm that a two-way radio or working telephone is present and operational <i>CELL PHONE</i>	✓		
Confirm the following warning signs are posted....				
B	"NO SMOKING" (where ignitable and/or reactive wastes are stored)	✓		
B	"DANGER - UNAUTHORIZED PERSONNEL KEEP OUT"	✓		
B	"IN CASE OF EMERGENCY DIAL 911"	✓		
B	incompatible waste storage areas are placarded to identify waste types	✓		
Confirm decontamination equipment is installed/operational (recommended as a best management practice at a satellite accumulation area)				
B	Confirm water source is available	✓		
B	Eyewash station	✓		
B	Shower station	✓		
Confirm the following spill control equipment is present...(recommended as a best management practice at a satellite accumulation area)				
B	Spill absorbents/neutralizers	✓		
B	Salvage drum	✓		
B	Protective gear	✓		
When a hazardous waste tank system present, confirm the following....				
	Tank system complies with regulations (40 CFR 265 Subpart J)			
	Obtain written assessment certified by qualified, registered professional engineer			
	Tank system includes secondary containment			
	VOC emission controls (40 CFR 265 Subpart CC)			

The signatures below represent that ISC Environmental Assurance has conducted an initial inspection of the referenced facility in accordance with the above checklist to determine if the facility is in regulatory compliance to generate/store hazardous waste and that that a responsible representative from the generating facility has been shown the results of the inspection and is aware of the regulatory obligations associated with being a hazardous waste generator.

	<i>DONALD HUMPHRYS</i>	<i>9/3/10</i>
<b>Signature Environmental Assurance Rep</b>	<b>(Print Name)</b>	<b>Date</b>
	<i>STEVEN MURRAY</i>	<i>9-03-2010</i>
<b>Signature Generator Representative</b>	<b>(Print Name)</b>	<b>Date</b>

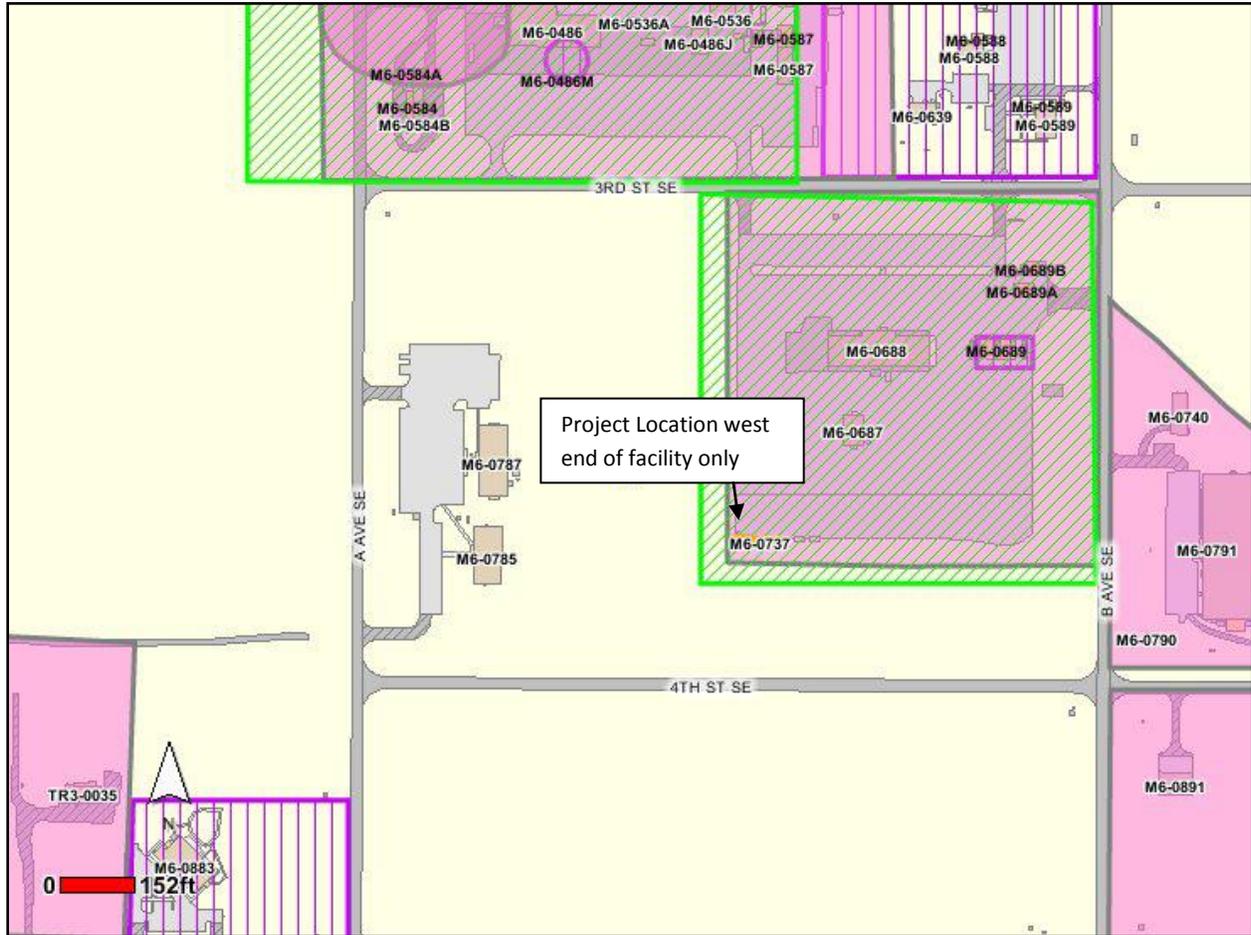
Project Title: Activation of 90-Day Hazardous Waste Storage Site

Facility: Hazardous Waste Staging Shelter M6-0737



Project Title: Activation of 90-Day Hazardous Waste Storage Site

Facility: Hazardous Waste Staging Shelter M6-0737



### Map Legend

-  LAND\_COVER
-  BUILDINGS
-  PAVILION
-  SHEDS
-  ROADS
-  PARKING
-  DRIVEWAYS
-  SLABS
-  POTENTIAL\_RELEASE\_LOCATIONS
-  SOLID\_WASTE\_MANAGEMENT\_UNITS
-  LUCIP\_AREA

# Avoid Verbal Orders

**TO:** ISC-8200/ISC Environmental Assurance

**DATE:** 9/28/2010

**FROM:** TA-B1C/NEPA Compliance

**SUBJECT** KSC Record of Environmental Consideration (REC)

**CHECKLIST #:** 8091

## 1. PROJECT INFORMATION

**Project Title:** Activation of 90-Day Hazardous Waste Storage Site

**Project Lead:** Donald Humphreys, ISC-8200, 867-0478

**Directorate Project No.:** URS-21-10

**EPB Reviewer:** LPH

**Facility No.:** M6-0737/HAZARDOUS WASTE STAGING SHELTER

## 2. NEPA DETERMINATIONS

- a. **Categorical Exclusion per 14 CFR Part 1216.305(d)**
- b. **Environmental Assessment (EA) Required per KNPR 8500.1**
- c. **Environmental Impact Statement (EIS) Required per KNPR 8500.1**
- d. **Project on CCAFS:**

## 3. ENVIRONMENTAL REQUIREMENTS

- a. **Non-Permit Requirements**       **YES**                       **NO**
- b. **Permit Requirements**               **YES**                       **NO**

3.a.1. **SOLID WASTE MANAGEMENT UNIT (SWMU):** The proposed hazardous waste storage site is located within the boundary of a SWMU (SWMU #013, GSA Automotive Facility) being investigated by the Remediation Group (Jennifer Levitt, TA-B1B, 867-6691). A SWMU designation means a site had historical operations which had the potential to impact the environment. A Land Use Control Implementation Plan (LUCIP) has been prepared for the GSA Automotive Facility. These controls are necessary to prohibit residential exposure to soil present at the site. There are no special considerations or issues involved with reactivating the 90-day hazardous waste storage facility.

A site visit and review of proposed 90-day hazardous waste storage facility (M6-0737) was conducted by the NASA Environmental Assurance Branch (TA-B1B). The facility meets the requirements of a 90-day hazardous waste storage facility and project may proceed as planned.

No other environmental issues were identified based upon the information provided in the KSC Checklist. This Record of Environmental Consideration (REC) does not relinquish the project lead from obtaining and complying with any other internal NASA permits or directives necessary to ensure all organizations potentially impacted by this project are notified and concur with the proposed activity.

Due to potential changes in regulations, permit requirements and environmental conditions, statements in this REC are valid for 6 months, and subject to review after this period. It is the responsibility of the project lead to notify the Environmental Management Branch (TA-B1C) if the scope of the project has changed since the original checklist was submitted.

cc: R. Traylor/ISC-8200  
D. Humphreys/ISC-8200  
C. Brown/ISC-1395

- 4 Upon evaluation of the subject project, the above determinations have been made and identified. Contact the Environmental Program Office (TA-B1C) at 867-8448 for re-evaluation should there be any modifications to the scope of work.**



10/1/2010 12:23:51 PM

Lynne Phillips

Date