Hazardous Substance Management System (HSMS)
Facilitate EPCRA reporting, as required by EO 13148
Tracks the full life-cycle of hazardous materials and hazardous waste
All materials and waste are process related
Maintains a continuous, updated, chemical inventory
Provides global visibility of all material, waste, and chemical inventories
EPCRA reporting
## Tier II

### Tier Two Emergency and Hazardous Chemical Inventory

#### Facility Identification
- **Name**: DYNAMAC / LSBC
- **Street**: NO0000
- **City**: BLDG M7-355 RM 3103
- **County**: BREvard
- **State**: FL
- **Zip**: 32903

#### Owner/Operator Name
- **Name**: RAMONA BOERER
- **Street**: NO0000
- **City**: KENNEDY SPACE CENTER
- **County**: BREvard
- **State**: FL

#### Emergency Contact
- **Name**: DOUGLAS BRIT
- **Phone**: 321-677-3615
- **Title**: PROJECT MANAGER

#### Reporting Period: January 1 to December 31, 2002

### Chemical Description

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### Physical and Health Hazards

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### Inventory

- [X] Toxic
**Form R**

**EPA**

**TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM**

**Part 1: Facility Identification Information**

**Section 1: Reporting Year**

**Section 2: Trade Secret Information**

**Section 3: Certification**

**Section 4: Facility Identification**

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

---

<table>
<thead>
<tr>
<th>Section</th>
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<tr>
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<td>Section 2</td>
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<tr>
<td>Section 3</td>
<td>Certification</td>
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<td>Section 4</td>
<td>Facility Identification</td>
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Important: Read and sign after completing all form sections.
## Material Life Cycle

![Image of Material Life Cycle interface](image.png)

### Inventory List

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<th>Barcode</th>
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<th>Ship</th>
<th>Lot</th>
<th>Serialized</th>
<th>Comp</th>
<th>Lot/Batch Num.</th>
<th>Quantity On Hand</th>
<th>Quantity Issued</th>
<th>Quantity Available</th>
<th>Unit of Usage</th>
<th>Material Class</th>
<th>Material in Transit</th>
<th>Issued To ID</th>
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</table>

**Actions:**
- Issue
- Disposal
- Change Location
- Transfer Confirmation
- Transfer Material Off-site
- Inventory Adjustment
- Update Expiration Date
- Expiration Date
- Regard Material
- View MSDS
- Reprint Barcodes
- Reprint Issue Report(s)
- Document Transaction History

**Totals:**
- Records: 18
- Displayed Columns: 29 of 27
<table>
<thead>
<tr>
<th>Barcode</th>
<th>Status</th>
<th>Size</th>
<th>UOM</th>
<th>DOT Code</th>
<th>Waste Weight</th>
<th>Total Weight</th>
<th>Accumulation</th>
<th>Container</th>
<th>Original Material</th>
<th>Start Date</th>
<th>99-day Storage Date</th>
<th>TSDF Storage Date</th>
<th>Fill Date</th>
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<tr>
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<td>OL</td>
<td>101</td>
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<td></td>
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<tr>
<td>2 OLWVEP01</td>
<td>READY FOR ISSUE</td>
<td>66</td>
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Additional options are available in the dropdown menu:
- Close
- Disposition
- Store
- Recycle
- Reopen
- Pickup Request
- Overpack
- Consolidate
- Deconsolidate
- Sample
- Change Location
- Change Status
- Correct Waste Characterizations
- Container Info / History
- Reprint Barcodes

Total Records: 29  Displayed Columns: 20 of 23
<table>
<thead>
<tr>
<th>Year</th>
<th>UIC/DoDAAC</th>
<th>Organization</th>
<th>Current Weight On Hand</th>
<th>Total Weight Used</th>
<th>Max Weight</th>
<th>Max Weight Date</th>
<th>Exceed TPQ</th>
<th>Exceed TPQ in year</th>
<th>Days Onsite</th>
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<td>□</td>
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</table>
Supports compliance with other initiatives

- Safety and Health (OSHA)
- Pollution Prevention (P2)
- Resource Conservation and Recovery Act (RCRA)
- Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA)
- Munitions (including disposal)
- Clean Air and Water Acts (CAA & CWA)
Process Information

Site-specific Process: ID0507-ACP

Generic Process: INDUSTRIAL, PAINTING, SPRAY- AEROSOL CAN
ID: ACP
Name: PAINTING, AEROSOL CAN
Work Center: DPWPNT DPW PAINT SHOP
Location: 7126 DPW PAINT SHOP
Date Created: 
Respondent: LHANNIGA HAHNIGAI, LIIDA
Technical POC: LHANNIGA HAHNIGAI, LIIDA
Occurrence Count for Job: 
Authorization: 
## Algorithm

### Site-specific Process: ID0501-SPR

#### Training Required
- Process
- Monitoring
- Aliases
- Material(s) within Process
- Material Substitutes

#### Equipment Required

#### Regulation(s)

#### Permit(s)

#### Weapon System(s)

#### Waste Association

#### Algorithms by Chemical State

### Algorithms by CAS

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<th>Activities and Uses</th>
<th>Percent</th>
<th>Form-R</th>
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<td>Land Onsite</td>
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- Valid Data Record

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2 of 16
Multiple Facility Tracking

- HSMS capable of tracking one or more installations in a single database
- Allows connectivity using trusted domains across Wide Area Network
- Facilitates regional implementations
Interfaces

- HSMS implements interfaces to external systems
  - Hazardous Material Information Resource System
  - Logistics Interface Utility
  - DRMS Automated Information System
Hazardous Material Information Resource System (HMIRIS) Interface

- Connection is made to the on-line database at DLIS, Battle Creek
- Queries are similar to those on CD-ROM
- Data retrieved from HMIRIS and may be used to populate MSDS records in HSMS, including chemical constituents
Logistics Interface Utility

- Imports information from Army logistics systems
  - SARSS
  - IFS / Supply 2000
- Supports 7 transactions, including receipts, inventory adjustments, issues, returns
<table>
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<tr>
<th>Edited</th>
<th>Document Nbr</th>
<th>NSN</th>
<th>Unit of Issue</th>
<th>Qty</th>
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DRMS Automated Information System (DAISY) Interface

- Electronic transfer to DRMS of DD1348 waste information, including waste containers and waste profiles
- Electronic import of manifest and delivery order information
Defense Data Dictionary Compliant

DITSCAP Certification
Barcodes are configurable
Administrative Module

- Allows the HSMS system/database manager to manage user-access rights to all functions
- Each function can be assigned up to 5 levels of access
- System and user settings
**System Default Settings**

**Material**

- Default Material Class Code: A/VIRGIN/NEW
- Set New Locations as Receiving Locations
- Autogenerate MSDS IDs
- HHIs marked as serialized by default

- Transactions cannot occur after AUL Exception Warnings
- Transactions cannot occur after Issue Exception Warnings
- Turn off Chemical Hazard Exception Warnings

- Restrict transactions by Work Center
- Restrict transactions by Organization

- Users cannot change their passwords
- Require entry of disposition of used material containers

**Buttons:**
- Save
- Cancel
### User Defaults

#### Material

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#### Storage Process for Uncommitted Material:

- [ ] Print Item Barcodes for Receipts
- [ ] Print Item Barcodes for Issue
- [ ] Print Component Barcodes for Receipts
- [ ] Print Component Barcodes for Issue
- [ ] Print Packing Label for Receipts
- [ ] Print Packing Label for Issue
- [ ] Print Hard Copy for Receipts
- [ ] Print Hard Copy for Issue
- [ ] Print Hard Copy Later for Receipts
- [ ] Print Hard Copy Later for Issue
- [ ] Print Hard Copy Later for Disposition
- [ ] Print Hard Copy Later for Disposition

**# of Hard Copies:**

- 1
- 1
- 1
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[Save] [Cancel]