

**SITE AND FACILITY WASTE TRANSPORTATION  
SERVICE PLANNING DOCUMENTS**

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**NUCLEAR WASTE TECHNICAL REVIEW BOARD  
TRANSPORTATION & SYSTEMS PANEL MEETING  
SEPTEMBER 25, 1991  
ARLINGTON, VA**



## **OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT**

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- **THE OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT (OCRWM) IS PREPARING TO PROVIDE SPENT NUCLEAR FUEL DISPOSAL SERVICES FOR COMMERCIAL NUCLEAR REACTORS**
- **MORE THAN 120 REACTORS ARE TO BE SERVED AT MORE THAN 70 SITES, AND NO TWO REACTORS OR SITES ARE IDENTICAL**
- **THE OPERATION OF A TRANSPORTATION SYSTEM TO SO MANY DIFFERENT SITES WILL BE COMPLEX**
- **TRANSPORTATION OPERATIONS PLANS ARE THEREFORE NEEDED FOR EACH FACILITY TO BE SERVED**
- **ULTIMATELY, IT IS ENVISIONED THAT THESE SITE-SPECIFIC TRANSPORTATION OPERATIONS PLANS WILL EVOLVE INTO SITE SPECIFIC SERVICE PLANS**

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- THE FIRST STAGES OF THE DEVELOPMENT OF THE SITE SPECIFIC SERVICE PLANS HAS BEEN INITIATED
- PRECURSORS TO THE SITE SPECIFIC SERVICE PLANS ARE THE "SERVICES PLANNING DOCUMENTS" (I.E., SPDs)
- SITE AND FACILITY WASTE TRANSPORTATION SERVICES PLANNING DOCUMENTS (SPDs)
  - WILL BRING TOGETHER TRANSPORTATION CASK SYSTEMS, FACILITY, SITE, AND LOCAL TRANSPORTATION INFRASTRUCTURE INFORMATION NEEDED TO PLAN FOR THE SHIPMENT OF WASTE FROM EACH FACILITY
  - WILL BE INITIALLY DEVELOPED FOR FACILITIES RECEIVING EARLY DELIVERY COMMITMENTS AS LISTED IN OCRWM'S ANNUAL CAPACITY REPORT

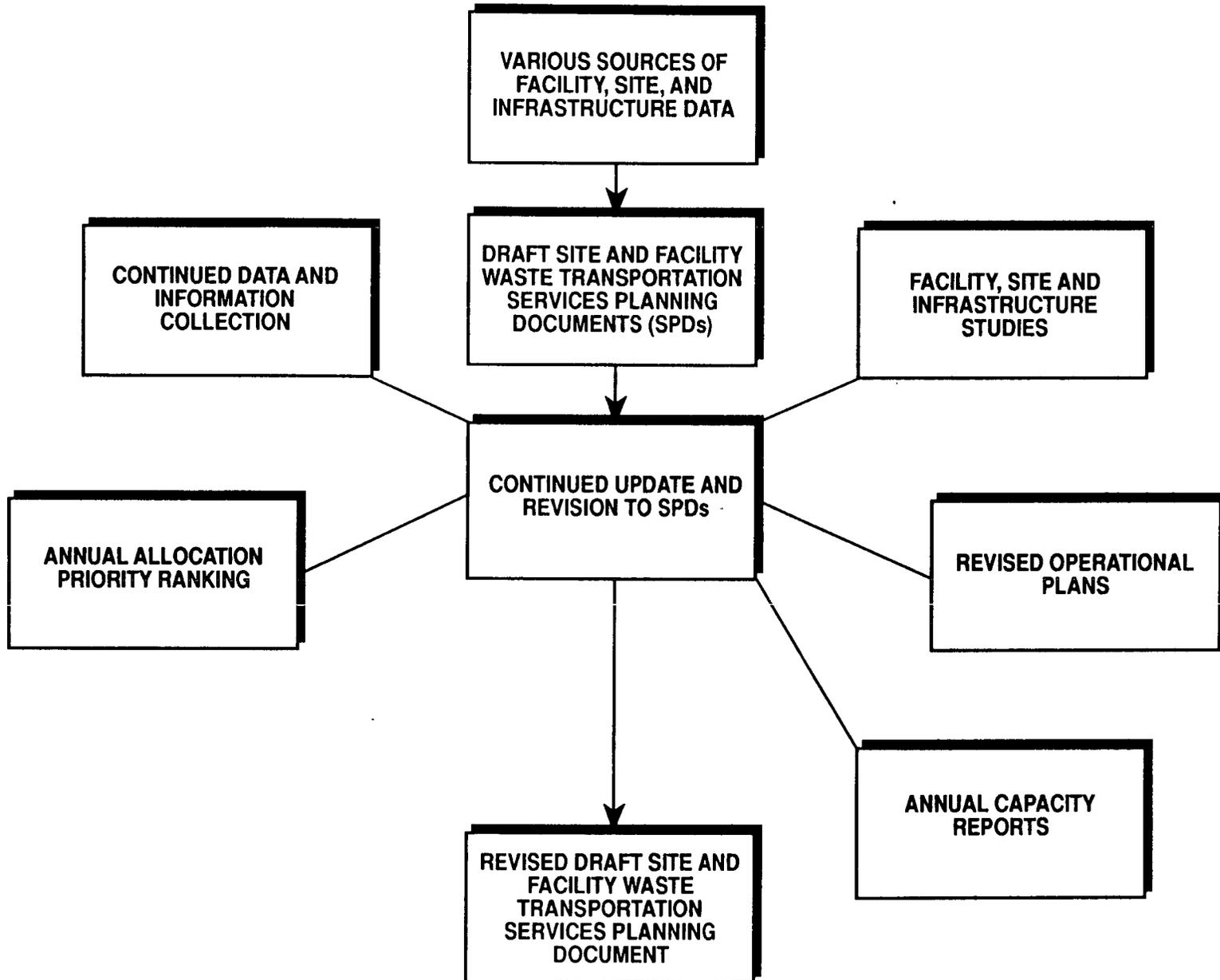


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- **SITE AND FACILITY WASTE TRANSPORTATION SERVICES PLANNING DOCUMENTS (SPDs)**
  - **WILL SUPPORT THE IDENTIFICATION AND RESOLUTION OF TECHNICAL, OPERATIONAL, AND INSTITUTIONAL ISSUES IMPORTANT TO THE FUTURE EFFICIENT OPERATION OF THE FEDERAL WASTE MANAGEMENT SYSTEM**
  - **WILL SERVE AS PRECURSORS TO THE SITE SPECIFIC SERVICE PLANS**

# SPD Development Activities



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- **SERVICES PLANNING DOCUMENTS**
  - **ARE FOCUSING ON DEFINING:**
    - - **CASKS SUITABLE FOR USE AT THE FACILITY**
    - - **CASK HANDLING REQUIREMENTS AT THE FACILITY**
    - - **TRANSPORT FROM THE FACILITY TO THE APPROPRIATE ELEMENT(S) OF THE NATIONAL TRANSPORTATION NETWORK**
  - **WILL SUPPORT EARLY TRANSPORTATION OPERATIONS PLANNING BY DOE AND UTILITIES**
  - **CAN SERVE TO INITIATE DIALOGUE CONCERNING TRANSPORTATION SYSTEM/FACILITY INTERFACE**

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- **SERVICES PLANNING DOCUMENTS (CONT)**

- **PLANS ARE TO HAVE INITIAL DRAFT OF SPD FOR EACH FACILITY COMPLETED WHEN THE FIRST DELIVERY COMMITMENT SCHEDULE IS APPROVED BY DOE**
- **FOR EACH FACILITY, SPDs WILL:**
  - - **PROVIDE EARLY ASSESSMENT OF TYPES OF CASKS/MODES OF SERVICE**
  - - **IDENTIFY CONSTRAINTS ON CASK USE**
  - - **IDENTIFY SPECIAL EQUIPMENT FOR CASK USE**
  - - **IDENTIFY OTHER REQUIREMENTS FOR CASK USE**
  - - **DEFINE CASK/WASTE FORM COMPATIBILITY**

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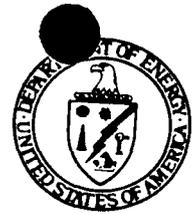


- **SERVICES PLANNING DOCUMENTS (CONT)**

- - **EVALUATE POTENTIAL FOR AND IMPEDIMENTS TO USING LARGER CASKS**
- - **DOCUMENT FACILITY INFORMATION NECESSARY TO ESTABLISH MODE OF SERVICE CAPABILITY**
- **SPDs ARE BEING COMPILED USING SEVERAL SOURCES**
  - - **FICA**
  - - **FICA BACKUP DATA**
  - - **NSTI**
  - - **RW - 859**
  - - **ANNUAL CAPACITY REPORTS**
  - - **FEDERAL REGISTER**
  - - **OBSERVATION VISITS**
  - - **INDUSTRY REPORTS**
  - - **PERSONAL KNOWLEDGE**
  - - **INDUSTRY SOURCES**

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- **SPD STATUS**

- **FORMAT, METHOD OF DEVELOPING, AND DETAIL OF TEXT DEVELOPED**
- **TWENTY SPDs FOR "HIGH-PRIORITY" CASK LOADING SITES COMPLETED**
- **PLANS ARE THAT APPROXIMATELY 2 SPDs WILL BE COMPLETED EACH MONTH BEGINNING OCTOBER, 1991**

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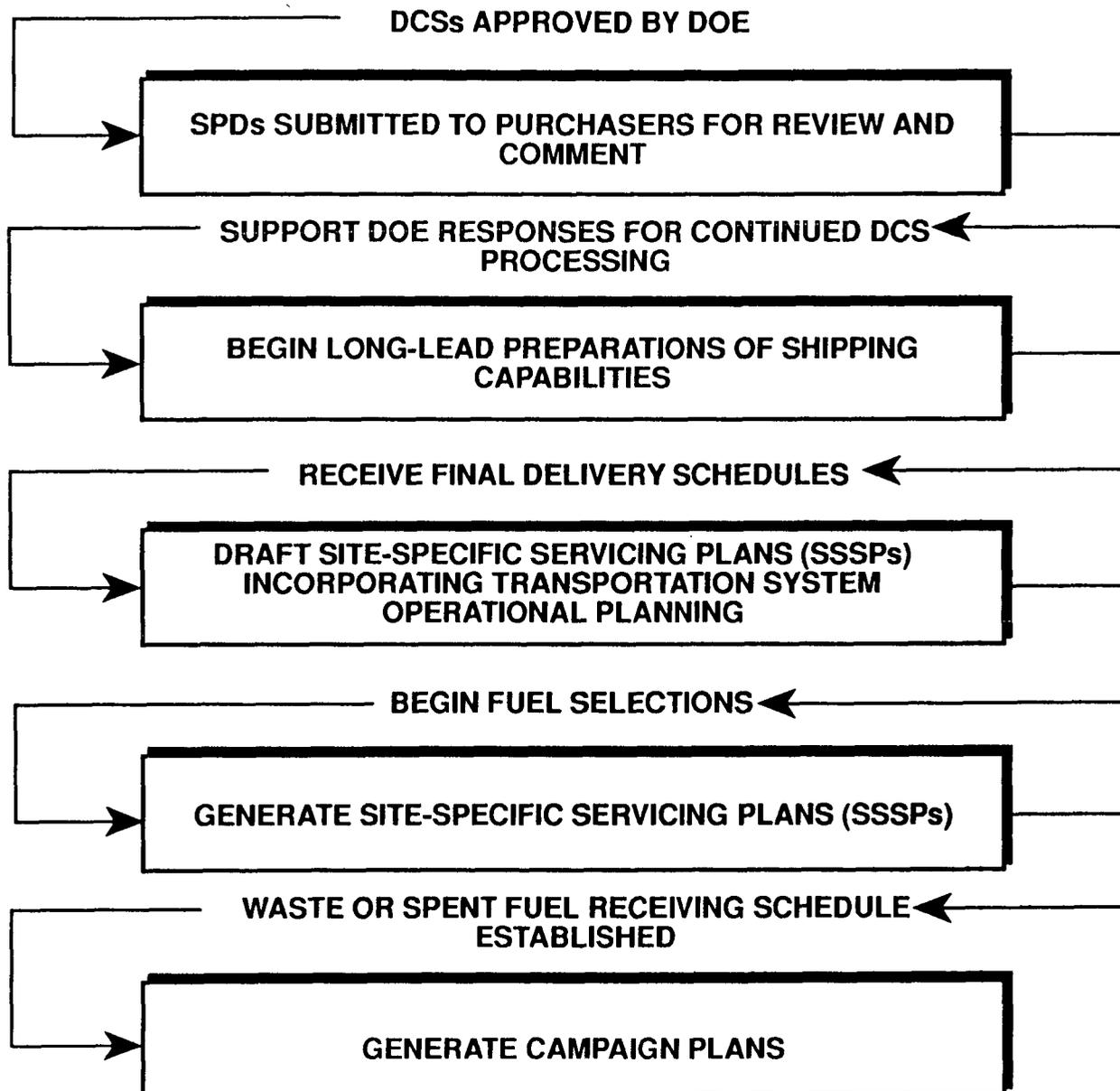
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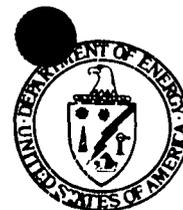


- **LONG-RANGE PLANS**

- **SITE-SPECIFIC SERVICE PLANS WILL BE DEVELOPED FROM:**
  - - **SERVICE PLANNING DOCUMENTS**
  - - **DELIVERY COMMITMENT SCHEDULES**
  - - **DATA ON SPENT FUEL AND NFAH**
- **WILL PROVIDE A BASIS FOR AGREEING ON CASK TYPES AND MODE OF SERVICES POSSIBLE**

# Development of the Site-Specific Service Plans





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- **SITE-SPECIFIC SERVICE PLANS**

- **WILL ADDRESS THE FULL RANGE OF TRANSPORTATION-RELATED ACTIVITY ASSOCIATED WITH EACH SITE, INCLUDING:**

- - **OPERATIONAL REQUIREMENTS**
- - **CASKS AND OTHER EQUIPMENT**
- - **SCHEDULES**
- - **PERSONNEL NEEDS AND TRAINING**
- - **PROTOCOLS FOR OCRWM PERSONNEL ACCESS TO FACILITY**
- - **ROUTING FROM FACILITY**
- - **COMPLIANCE WITH REGULATIONS AND OTHER REQUIREMENTS**
- - **EMERGENCY RESPONSE NEEDS**