Enclosure 1

Confinement System for the HEUMF

The draft Preliminary Documented Safety Analysis (PDSA) for the Highly Enriched Uranium Materials Facility (HEUMF) will be provided to NNSA as part of the formal Critical Decision 2 (CD-2) submittal in May 2003. The CD-2 process establishes a Performance Measurement Baseline that must be approved by the Deputy Administrator for Defense Programs, NNSA. Per NNSA guidelines, this process occurs at the end of Preliminary Design, nominally at 30% design complete. An early copy of the draft PDSA is expected to be delivered to NNSA in April to support their review of the CD-2 submittal. The analysis supporting preparation of the draft PDSA is now nearing completion, allowing for preliminary determination of credited controls for each Design Basis Event (DBE) that will be evaluated in the PDSA.

A Preliminary Hazard Analysis (PHA) was provided to NNSA to support the CD-1 process that documented results of Conceptual Design and authorized the initiation of Preliminary Design. That PHA identified a conservative control set for the Conceptual Design that included a Safety Class secondary confinement system based on isolating and confining any released hazardous material inside the facility (often referred to as a "holdup" strategy). As Preliminary Design and development of the PDSA have progressed, it has become evident that appropriate protection to workers and the public can be ensured by identification of credited controls other than a safety class secondary confinement system. Confinement of hazardous materials is required by DOE Order 420-1, *Facility Safety,* which mandates the design of new nuclear facilities be based on confining hazards. This requirement, along with providing a significant defense in depth protection for accidents with the potential to release hazardous material outside the facility if credited controls fail, gives reason for classifying the secondary confinement as a Safety Significant system providing significant defense in depth in the draft PDSA. This safety significant secondary confinement system, as currently envisioned by BWXT-Y-12, includes the building structure encompassing the storage/work areas, HEPA housings and some ventilation ductwork, seals around various penetrations in the wall of this structure, dampers in various ventilation on ducts, and airlocks for personnel and material movement into and out of the facility. Additionally, discussion with the Board Staff and NNSA continues regarding whether the exhaust fans and associated support systems also should be included in this safety significant system.

The Staff Issue Report attached to the referenced letter identified several potential weaknesses associated with the Safety Class secondary confinement ("holdup") system included in the Conceptual Design for HEUMF. These concerns have either been addressed in our existing HEUMF Design Criteria, or will be alleviated with a Safety Significant vented confinement system that provides significant defense in depth. Discussion of the potential weaknesses follows:

- The Design Criteria for HEUMF contains requirements for classification of support systems. Appendix A to Y/HEU-0037, Rev 1, *Highly Enriched Uranium Materials Facility Design Criteria*, requires that the support systems necessary for the functioning of Safety Class structures, systems, and components (SSC) shall be classified as safety-class if their failures can prevent a safety-class SSC from performing its safety function.

- As discussed above, the safety significant confinement system performs a defense in depth function. Any leakage from the facility associated with building overpressure due to a facility fire or personnel (fire department, security, or facility personnel) entering or leaving the building will not result in exposures in excess of those indicated in the safety analysis or any requirements identified in the draft PDSA. To ensure that any building out-leakage is minimized, the facility will be designed to maintain a negative pressure during normal operations and to have air locks on all entrances to the areas containing hazardous materials.

- The confinement system currently being incorporated in the facility design is a vented system including HEPA filters with water sprays and release monitors located in the facility exhaust. This will enhance any post-accident recovery capability and will support the quantification of any hazardous material released from the facility for Emergency Management responses.

- Recent revision (Revision 19) to the Emergency Response Planning Guidelines (ERPGs) and Temporary Emergency Exposure Limits (TEELs) for Chemicals of Concern has resulted in changes that indicate lower potential for significant toxicological consequences resulting from a fire scenario. This allows for consideration of other credited controls, along with a safety significant vented confinement system serving as defense in depth.

As discussed above, the confinement system will provide significant defense in depth to the safety systems credited in the PDSA (the Safety Class building and storage racks, and the safety significant fire sprinkler system). Radiological exposures, only considering the building and storage racks as Safety Class, are conservatively predicted to be in the range of 1 to 3 rem at the emergency response boundary and 3 to 18 rem onsite (100 meters). No significant releases (radiological or chemical) are expected based on crediting the operation of the safety significant fire sprinkler system and a safety class container. Since the safety significant confinement system is not credited in the accident analysis, no functional requirements are derived directly from the Safety Analysis for the confinement system; the following requirements are considered appropriate for a safety significant confinement system that serves as defense in depth:

Functional Requirement: Maintain negative pressure in facility during normal operation and filter any exhaust (radiological and other hazardous material non-vapor releases) from facility during normal and upset conditions.

Performance Category (PC) - No PC requirements for the Secondary Confinement are derived directly from the PDSA process. No significant releases of hazard material requiring confinement are postulated from a NP event since the facility structure and storage racks will be designed and constructed to meet PC-3 requirements. However, DOE G - 420.1-2, *Guide for the Mitigation of Natural Phenomena Hazards for DOE Nuclear Facilities and Non-Nuclear Facilities*, states "When safety analysis determines that local confinement of high hazard materials is required for worker safety, PC-3 designation may be appropriate for the SSCs involved." The analysis supporting the draft PDSA indicates that confinement is not necessarily required to ensure public or worker safety but prudence in a new design indicates that the structural features of the confinement boundary be designed as PC-3. The structural features are considered to consist of the secondary confinement walls, doors, air locks, and ventilation duct through the first isolation device.

Single Failure Criteria – As discussed above, the PDSA process has not resulted in a requirement for safety class or safety significant secondary confinement system to protect workers and the public. Thus, the design of the confinement systems to protect against single failure is not a requirement. However, defense indepth design considerations should result in continued operation of the vented and filtered secondary confinement system during upset conditions, such as a fire in the storage area of the facility.

Emergency Power – No emergency power is required as a result of the PDSA process. The confinement system will serve as a significant defense indepth feature, and the system will not be designed to automatically shut down in the event of an upset condition, such as a fire in the storage area of the facility. The building will normally operate under negative pressure, with no significant ventilation flow paths from the storage area to the building exterior, other than through the ventilation system (doors are closed and backflow preventers are installed and operating on ventilation supply systems). Also, upon loss of normal power, the flow path through the HEPA Filters will remain open and any significant release exiting the building would naturally vent through this path. To aid in post accident recovery, one ventilation system that serves the halls and corridors that surround the storage areas in the facility will be supplied with emergency power by means of a standby diesel generator.

The requirements listed above can be met without the Ventilation System fans being available after the Design Basis Fire. Discussion is ongoing concerning the requirement to ensure the operation of the ventilation's system fan(s) by classifying the fans and supporting equipment (emergency power) as safety significant. This issue is expected to be resolved during the draft PDSA review that supports the CD-2 submittal and approval.

Enclosure 2

Development of Y-12 Comprehensive 10-Year HEU Storage and Material Management Plan

The interim response to the December 27, 2002, letter from the Defense Nuclear Facilities Safety Board (Board) indicated that the Y-12 National Security Complex (NSC) is currently evaluating the architecture of process and storage containers utilized within the plant site. The purpose of this evaluation is to define the minimum set of containers for the processing or storage of Highly Enriched Uranium (HEU) materials onsite. The containers to be utilized in storing HEU in the Highly Enriched Uranium Material Facility (HEUMF) are of particular interest in this evaluation.

An integral part of the container assessment is the material form and quantity of uranium, both elemental and isotopic, which can be contained in the various containers. It will be required that uranium in the form of metal, metal alloy, triuranium octaoxide (U3O8), or other qualified stabile oxides be placed in stainless steel containers for long-term storage up to 50 years. Interim storage of materials of the same forms that may require further processing or repackaging into stainless steel containers will be permitted for a limited time period currently assumed not to exceed 10 years.

The container assessment study is scheduled for completion with a recommended minimum container set identified by the end of Fiscal Year (FY) 2003. Attachment 1 further describes activities related to the container simplification project currently on-going at the Y-12 NSC. Attachment 2 provides an initial schedule for activities related to the container simplification as well as ongoing and planned work related to preparation of materials destined for the HEUMF.

A parallel effort in FY 2003 and FY 2004 will characterize currently stored materials to determine materials that are qualified for transfer to the HEUMF, materials that are scheduled for repackaging and transfer off-site for commercial sale, materials that must be repackaged into acceptable storage containers before transfer to the HEUMF, or materials that must be processed and repackaged to satisfy long-term storage criteria for form and container type. The final product of this effort will be a database of information that contains, at item level, all HEU with data on chemical form, isotopic and elemental weights, container, and expected next step processing activity for those items. The latter set of data will define the requirements for processing (reuse, ship off-site for use or waste, or long-term storage) needed to establish processing priorities within Y-12. The schedule for developing the initial draft database of information is the end of FY 2003. This draft database of information, along with other established planning for materials processing and storage, will be integrated to form a comprehensive HEU storage and material management for the future (10-year planning window).

A third, ongoing initiative will revise and update Y-12 documents by the end of FY 2003 for materials receipt and acceptance, technical assessment of safety issues associated with storage, and specific criteria applicable to the storage of HEU (Y/LB-15,920/R2 and Y/ES-015/R1). These documents will be applicable to storage of HEU at Y-12 with particular emphasis of storage considerations at the HEUMF. The revisions will focus on the assessment of the different forms of uranium materials and the containers that house these materials.

Y-12 will integrate its activities with the NNSA sites' plans and schedules and actively participate with the Inactive Actinides Working Group in developing and prioritizing projects to execute in FY 2004. Beyond FY 2004, Y-12 will continue executing projects to enable successful disposition of excess/inactive materials and properly package and store remaining materials required for its missions, which include long-term storage of highly enriched uranium for the NNSA Complex. The programmatic activities associated with the Inactive Actinide Material Initiative will be reflected in the initial draft Y-12 Comprehensive Ten-Year HEU Storage and Material Management Plan.

Enclosure 2
Attachment 1

As the above planning proceeds, the following actions have been completed or are in process:

In FY 2003, NNSA YSO directed nine activities to be completed as part of the Comprehensive Materials Disposition FY 2003 Performance Based Incentives:

1. Develop and execute disposition plans within funding targets for Pu-contaminated HEU material that must be removed from 9720-5 prior to start up of HEUMF.

2. Package a minimum of 1,300 kgU of surplus HEU oxides by September 30, 2003, in preparation of off-site shipment for commercial processing.

3. Inspect, pack, and ship two inactive UF6 items, each less than 350 grams, to Nuclear Fuel Services in Erwin, Tennessee, by March 31, 2003.

4. Prepare 115 drums of inactive U-Zr material labeled and ready to ship to a commercial processor by May 31, 2003.

5. Prepare the Y-12 inventory of inactive NS Savannah Fuel for TVA pick up by September 30, 2003. Complete the planning and documentation and initiate unpack/repackaging of the fuel. In FY 2003, two of the seven fuel assemblies at Y-12 will be repackaged into approximately ten 6M 110-gallon drums and will be ready for TVA pick up by September 30, 2003.

6. Dispose excess Non-MAA nuclear and non-nuclear materials: Ship 150 MT depleted uranium metal from Y-12 to NTS or other disposal or storage site by September 15, 2003.

7. Continue to reevaluate and update, as needed, Y-12 Economic Discard Limits (EDL) for inactive national security or surplus HEU. By August 31, 2003, develop and request NNSA-YSO approval for two EDLs for low-equity HEU material types with detailed analysis and basis for recommended disposal versus recovery of HEU materials. The recommendation and assessment should be sufficiently detailed to enable NNSA to approve the proposed EDL and include identification of actions and costs required to initiate the disposal of the selected material types. Specific Project Execution Plans will be submitted to NNSA-YSO by September 30, 2003, that will allow the two EDLs to be implemented in FY 2004 (if funded).

8. Repackage 100 drums of legacy HEU-contaminated process combustibles to meet waste profile criteria for off-site disposal. Prepare UCN-2109 forms for discard of the materials, and stage the drums for pick up by Bechtel Jacobs Company/WESKEM by September 30, 2003.

9. Complete five shipments of excess classified/inactive aeroshells to NTS and establish readiness to ship classified DU metals to NTS by September 30, 2003. Shipments are contingent upon NTS approval of BWXT Y-12 submitted materials profile.

Inactive phosphoric solutions in Building 9206 began repackaging and disposition activities last year and will be complete this year. Also, inactive, surplus process residues are being repackaged for off-site disposition. (These were the first materials pushing through the enhanced EDLs at Y-12.) Excess graphite, slag, and liner and other inactive process materials are being evaluated this fiscal year for off-site disposal utilizing the new EDLs currently being evaluated and revised.

Container Simplification Activities (FY 2003):

The overall schedule for container simplification activities is provided as Attachment 2. The FY 2003 effort is intended to develop a plant-wide recommended container set of the future by the end of the fiscal year. A brief description of the major activities in support of that overall objective is provided below.

1. Facility Review for Container Needs.

   Approximately 2 years ago, a listing of containers in use at Y-12 was developed, including facilities where the containers were in use and requirements (dimensional and loading) associated with the containers. This listing will be used as a starting point for a review by facility to develop a minimum container set needed by the facility to operate. Each major Operating Organization/Facility will review the listing to assure it is up-to-date and then suggest a minimum container set that would meet the known workscope of the Operating Organization/Facility. The review will consider both process and storage containers and is scheduled for completion by May 15, 2003.

2. Compile Draft Plant-Wide Minimum Container Set.

   Utilizing the results of the facility review and the suggested minimum sets as inputs, a draft plant-wide container set listing will be developed. Material form, container physical (volumes, dimensions, and materials of construction) requirements, and container administrative (loading) requirements will be considered to develop an initial draft of the plant-wide recommended container set of the future. The intent is to minimize the number of containers/loading to those necessary to meet the operational needs. As with the facility review, both process and storage containers will be considered. This activity is scheduled for completion by May 30, 2003.

3. Evaluate the Impact of the Draft Container Set.

   This activity consists of a series of reviews to confirm that the draft container set will meet the operational plant needs, security requirements, and intra-plant transportation requirements to the extent that they are known. Additionally, the set must be consistent with other ongoing initiatives, such as storage (both MAA storage and HEUMF) and material disposition. Several iterations are anticipated during this process. Scoping calculations will be performed as necessary to assure that the recommended container set can be implemented. This activity is scheduled for completion by August 31, 2003.

4. Issue Recommended Container Set of the Future.

   The resultant plant-wide container set of the future will be issued as a recommendation to management for implementation. This activity is scheduled for completion by September 30, 2003.

Concurrent with the activities described above, several activities are planned for execution during FY 2003 that serve to improve the container situation, while a long-term resolution is under development. These include:

1. Elimination from current approval and implementing documents, containers that are no longer in use and not expected to be needed in the near term. Each facility will review its current container approval and implementing documents to identify containers that are no longer needed to support ongoing operations. The documents will then be revised to eliminate those containers. While this activity will not result in removal of containers actually in use, it will simplify the approval and implementing documents. This activity is scheduled for completion by May 31, 2003.

2. Current container approval and implementing documents for EUO contain seven "Metal Cans" with various dimensional and loading requirements. One is expected to be removed from service. Analysis is currently underway to consolidate and simplify the requirements for the remaining six into a single requirement set. This activity will not result in removal of containers actually in use, but it will simplify the approval and implementing documents. This activity is scheduled for completion by September 30, 2003.

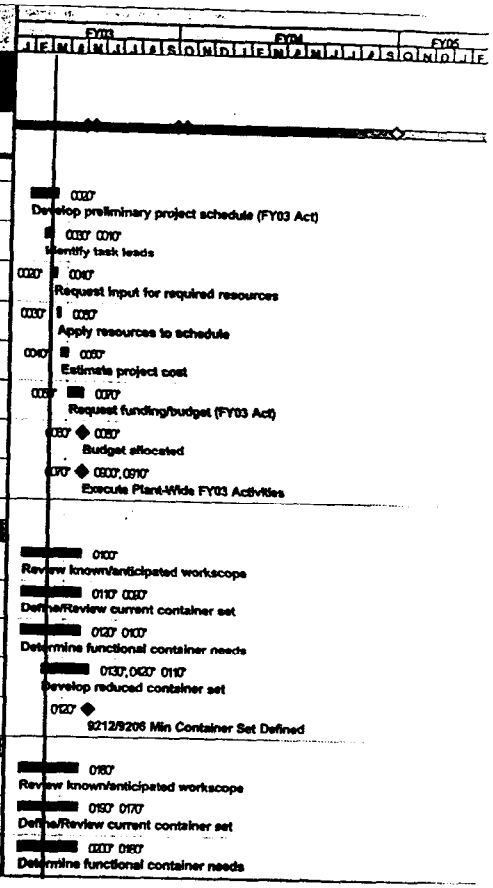
3. Current container approval and implementing documents for Assembly Organization contain numerous dolly types with various dimensional and loading requirements. An activity has been initiated to consolidate and simplify the requirements for the dollies to the extent practical. As above, this activity is not anticipated to result in removal of dollies actually in use, but it will simplify the approval and implementing documents. This activity is scheduled for completion by September 30, 2003.

Follow-on Activities (FY 2004 and beyond):

Implementation of the recommended container set developed during FY 2003 will be a long-term program. The implementation will need to be integrated with similarly long-term storage and material disposition programs as a minimum. Container specification, purchase, inspection, and configuration management will all need to be considered in addition to any necessary re-containerization activities. Detailed execution schedules, cost estimates, and budget approvals will be necessary. It is anticipated that these activities will occupy a good portion of FY 2004, particularly as long-term storage and material disposition programs have not yet been finalized.

Enclosure 2
Attachment 2

Activity ID	Activity Description	Orig Dur	Rem Dur	Early Start	Early Finish	% Comp	WBS
1 Y-12 NATIONAL SECURITY COMPLEX							
1.20 Containers, Storage, & Material Disposition							
Subtotal		1,000	893	01OCT02A	29SEP05	20	
1.20.01 Project Planning							
0010	Develop preliminary project schedule (FY03 Act)	10	6	29JAN03A	14MAR03	0	1.20.01
0020	Identify task leads	10	1	24FEB03A	07MAR03	0	1.20.01
0030	Request input for required resources	5	5	10MAR03	14MAR03	0	1.20.01
0040	Apply resources to schedule	5	5	17MAR03	21MAR03	0	1.20.01
0050	Estimate project cost	10	10	24MAR03	04APR03	0	1.20.01
0060	Request funding/budget (FY03 Act)	15	15	07APR03	29APR03	0	1.20.01
0070	Budget allocated	0	0		29APR03	0	1.20.01
0080	Execute Plant-Wide FY03 Activities	0	0	30APR03		0	1.20.01
1.20.02 Facility/Site Container Review							
[illegible]							
0090	Review known/anticipated workscope	45	39	24JAN03A	01MAY03	0	1.20.02.01
0100	Define/Review current container set	45	39	24JAN03A	01MAY03	0	1.20.02.01
0110	Determine functional container needs	45	39	24JAN03A	01MAY03	0	1.20.02.01
0120	Develop reduced container set	55	45	27FEB03A	15MAY03	0	1.20.02.01
0120	9212/9206 Min Container Set Defined	0	0		15MAY03	0	1.20.02.01
[illegible]							
0170	Review known/anticipated workscope	45	39	24JAN03A	01MAY03	0	1.20.02.02
0180	Define/Review current container set	45	39	24JAN03A	01MAY03	0	1.20.02.02
0190	Determine functional container needs	45	39	24JAN03A	01MAY03	0	1.20.02.02



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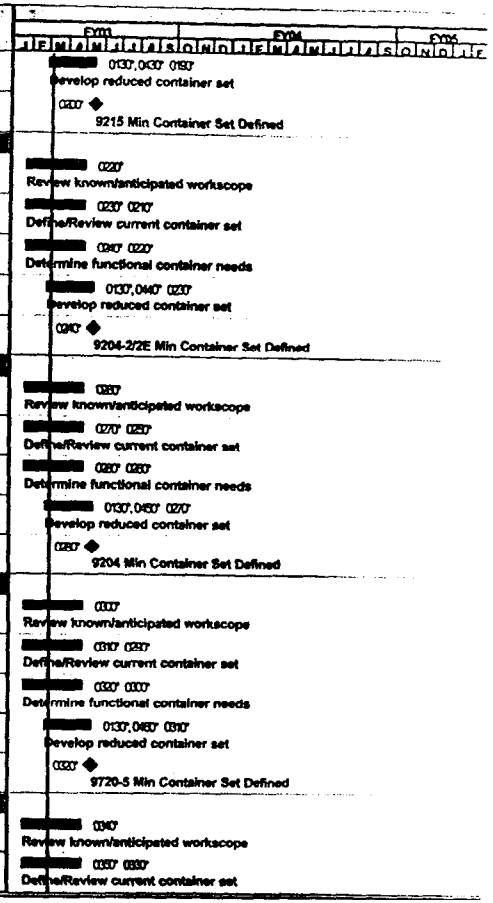
Enclosure 2
Attachment 2

Activity ID	Activity Description	Orig Dur	Rem Dur	Early Start	Early Finish	% Comp	WBS
0200	Develop reduced container set	55	49	27FEB03A	15MAY03	0	1.200.02.02
0400	9215 Min Container Set Defined	0	0		15MAY03	0	1.200.02.02
[redacted]							
0210	Review known/anticipated workscope	45	39	24JAN03A	01MAY03	0	1.200.02.03
0220	Define/Review current container set	45	39	24JAN03A	01MAY03	0	1.200.02.03
0230	Determine functional container needs	45	39	24JAN03A	01MAY03	0	1.200.02.03
0240	Develop reduced container set	55	49	27FEB03A	15MAY03	0	1.200.02.03
0440	9204-2/2E Min Container Set Defined	0	0		15MAY03	0	1.200.02.03
[redacted]							
0250	Review known/anticipated workscope	45	39	24JAN03A	01MAY03	0	1.200.02.04
0260	Define/Review current container set	45	39	24JAN03A	01MAY03	0	1.200.02.04
0270	Determine functional container needs	45	39	24JAN03A	01MAY03	0	1.200.02.04
0280	Develop reduced container set	55	49	27FEB03A	15MAY03	0	1.200.02.04
0450	9204 Min Container Set Defined	0	0		15MAY03	0	1.200.02.04
[redacted]							
0290	Review known/anticipated workscope	45	39	24JAN03A	01MAY03	0	1.200.02.05
0300	Define/Review current container set	45	39	24JAN03A	01MAY03	0	1.200.02.05
0310	Determine functional container needs	45	39	24JAN03A	01MAY03	0	1.200.02.05
0320	Develop reduced container set	55	49	27FEB03A	15MAY03	0	1.200.02.05
0460	9720-5 Min Container Set Defined	0	0		15MAY03	0	1.200.02.05
[redacted]							
0330	Review known/anticipated workscope	45	39	24JAN03A	01MAY03	0	1.200.02.06
0340	Define/Review current container set	45	39	24JAN03A	01MAY03	0	1.200.02.06



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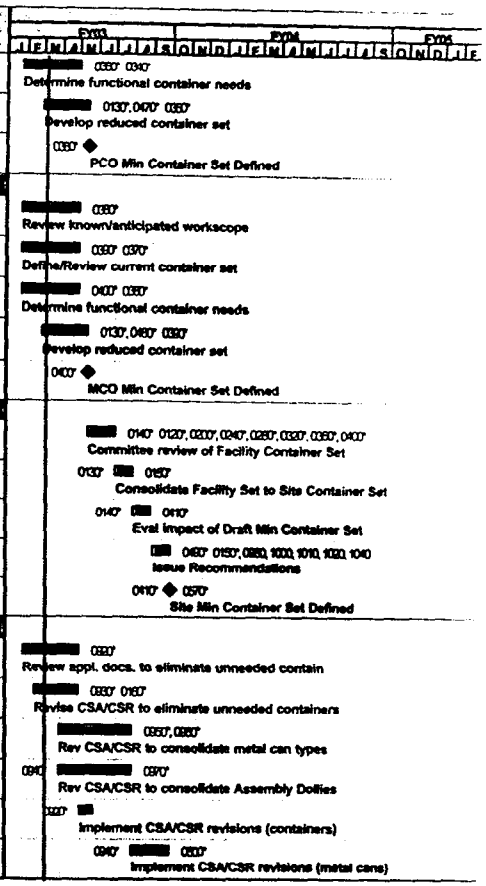
Activity ID	Activity Description	Orig Dur	Rem Dur	Early Start	Early Finish	% Comp	WBS
0350	Determine functional container needs	46	35	24JAN03A	01MAY03	0	1.2.0.0.2.0.8
0360	Develop reduced container set	55	49	27FEB03A	15MAY03	0	1.2.0.0.2.0.8
0470	PCO Min Container Set Defined	0	0		15MAY03	0	1.2.0.0.2.0.8
[redacted]							
0370	Review known/anticipated workscope	46	35	24JAN03A	01MAY03	0	1.2.0.0.2.0.7
0380	Define/Review current container set	46	35	24JAN03A	01MAY03	0	1.2.0.0.2.0.7
0390	Determine functional container needs	46	35	24JAN03A	01MAY03	0	1.2.0.0.2.0.7
0400	Develop reduced container set	55	49	27FEB03A	15MAY03	0	1.2.0.0.2.0.7
0480	MCO Min Container Set Defined	0	0		15MAY03	0	1.2.0.0.2.0.7
[redacted]							
0130	Committee review of Facility Container Set	32	32	16MAY03	01JUL03	0	1.2.0.0.2.0.8
0140	Consolidate Facility Set to Site Container Set	19	19	02JUL03	30JUL03	0	1.2.0.0.2.0.8
0150	Eval Impact of Draft Min Container Set	22	22	31JUL03	29AUG03	0	1.2.0.0.2.0.8
0410	Issue Recommendations	21	21	02SEP03	30SEP03	0	1.2.0.0.2.0.8
0490	Site Min Container Set Defined	0	0		30SEP03	0	1.2.0.0.2.0.8
[redacted]							
0160	Review appl. docs. to eliminate unneeded contain	40	40	27JAN03A	02MAY03	0	1.2.0.0.2.0.9
0320	Revise CSA/CSR to eliminate unneeded containers	40	40	17FEB03A	03MAY03	0	1.2.0.0.2.0.9
0340	Rev CSA/CSR to consolidate metal can types	85	85	31MAR03*	31JUL03	0	1.2.0.0.2.0.9
0360	Rev CSA/CSR to consolidate Assembly Dollies	85	85	31MAR03	31JUL03	0	1.2.0.0.2.0.9
0330	Implement CSA/CSR revisions (containers)	16	16	05MAY03	27MAY03	0	1.2.0.0.2.0.9
0350	Implement CSA/CSR revisions (metal cans)	42	42	01AUG03	30SEP03	0	1.2.0.0.2.0.9



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Enclosure 2
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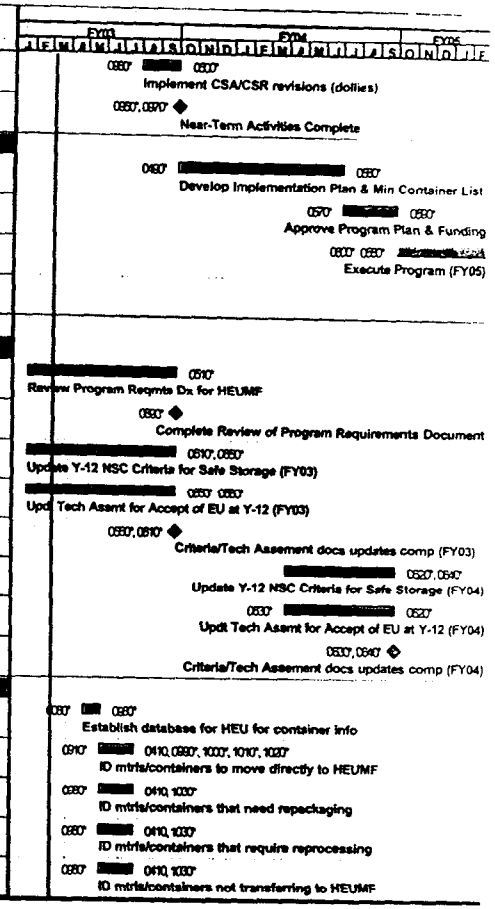
Activity ID	Activity Description	Orig Dur	Rem Dur	Early Start	Early Finish	% Comp	WBS
0870	Implement CSA/CSR revisions (dollars)	42	42	01AUG03	30SEP03	0	1.20.02.09
0880	Near-Term Activities Complete	0	0		30SEP03	0	1.20.02.09
[redacted]							
0570	Develop Implementation Plan & Min Container List	189	189	01OCT03	01JUL04	0	1.20.02.10
0580	Approve Program Plan & Funding	62	62	02JUL04	30SEP04	0	1.20.02.10
0590	Execute Program (FY05)	250	250	01OCT04	30SEP05	0	1.20.02.10
0600	Execute Program (FY06)	249	249	03OCT05	29SEP06	0	1.20.02.10
1.20.03 Material Storage							
[redacted]							
0500	Review Program Reqmts Dx for HEUMF	173	143	24JAN03A	30SEP03	0	1.20.03.01
0510	Complete Review of Program Requirements Document	0	0		30SEP03	0	1.20.03.01
0560	Update Y-12 NSC Criteria for Safe Storage (FY03)	173	143	24JAN03A	30SEP03	0	1.20.03.01
0610	Updt Tech Assmt for Accept of EU at Y-12 (FY03)	173	143	24JAN03A	30SEP03	0	1.20.03.01
0860	Criteria/Tech Assesment docs updates comp (FY03)	0	0		30SEP03	0	1.20.03.01
0630	Update Y-12 NSC Criteria for Safe Storage (FY04)	126	126	01APR04*	30SEP04	0	1.20.03.01
0640	Updt Tech Assmt for Accept of EU at Y-12 (FY04)	126	126	01APR04	30SEP04	0	1.20.03.01
0520	Criteria/Tech Assesment docs updates comp (FY04)	0	0		30SEP04	0	1.20.03.01
[redacted]							
0910	Establish database for HEU for container info	20	20	30APR03	29MAY03	0	1.20.03.02
0980	ID mtrls/containers to move directly to HEUMF	40	40	29MAY03	25JUL03	0	1.20.03.02
1000	ID mtrls/containers that need repackaging	40	40	29MAY03	25JUL03	0	1.20.03.02
1010	ID mtrls/containers that require reprocessing	40	40	29MAY03	25JUL03	0	1.20.03.02
1020	ID mtrls/containers not transferring to HEUMF	40	40	29MAY03	25JUL03	0	1.20.03.02



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Run Date	10MAR03 14:37

[redacted] Early Bar
[redacted] Progress Bar
[redacted] Critical Activity

CSM1

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BWXT Y-12, LLC

Containers, Storage, & Mtrl Disp

Date	Revision	Checked	Approved

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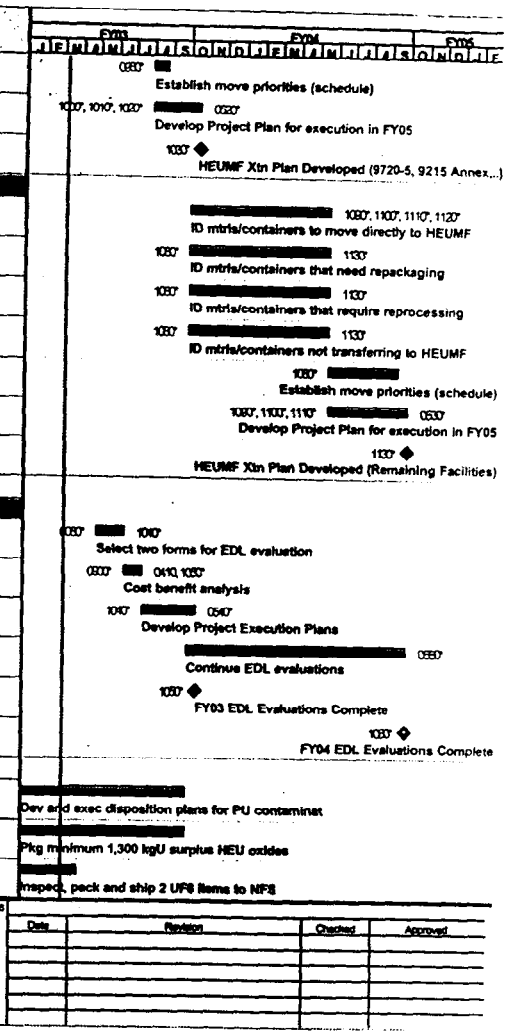
Enclosure 2
Attachment 2

	Activity ID	Activity Description	Orig Dur	Rem Dur	Early Start	Early Finish	% Comp	WBS
0990		Establish move priorities (schedule)	20	20	28JUL03	22AUG03	0	1.20.03.02
1030		Develop Project Plan for execution in FY05	57	57	28JUL03	15OCT03	0	1.20.03.02
0520		HEUMF Xtn Plan Developed (9720-5, 9215 Annex...)	0	0		15OCT03	0	1.20.03.02
[redacted]								
1080		ID mtrls/containers to move directly to HEUMF	160	160	01OCT03*	20MAY04	0	1.20.03.03
1090		ID mtrls/containers that need repackaging	160	160	01OCT03	20MAY04	0	1.20.03.03
1100		ID mtrls/containers that require reprocessing	160	160	01OCT03	20MAY04	0	1.20.03.03
1110		ID mtrls/containers not transferring to HEUMF	160	160	01OCT03	20MAY04	0	1.20.03.03
1120		Establish move priorities (schedule)	80	80	21MAY04	15SEP04	0	1.20.03.03
1130		Develop Project Plan for execution in FY05	91	91	21MAY04	30SEP04	0	1.20.03.03
0530		HEUMF Xtn Plan Developed (Remaining Facilities)	0	0		30SEP04	0	1.20.03.03
1.20.04 Material Disposition								
[redacted]								
0930		Select two forms for EDL evaluation	33	33	30APR03	16JUN03	0	1.20.04.01
1040		Cost benefit analysis	21	21	17JUN03	17JUL03	0	1.20.04.01
1050		Develop Project Execution Plans	63	63	18JUL03	15OCT03	0	1.20.04.01
1060		Continue EDL evaluations	251	251	01OCT03*	30SEP04	0	1.20.04.01
0540		FY03 EDL Evaluations Complete	0	0		15OCT03	0	1.20.04.01
0550		FY04 EDL Evaluations Complete	0	0		30SEP04	0	1.20.04.01
1.20.05 Near Term Material Storage/Disposition Activ								
PB01		Dev and exec disposition plans for PU contaminat	261	143	01OCT02A	30SEP03	0	1.20.05
PB02		Pkg minimum 1,300 kgU surplus HEU oxides	261	143	01OCT02A	30SEP03	0	1.20.05
PB03		Inspect, pack and ship 2 UF6 items to NFS	130	17	01OCT02A	31MAR03	0	1.20.05



Start Date	01OCT02
Finish Date	29SEP05
Data Date	07MAR03
Run Date	10MAR03 14:37

[redacted] Early Bar
[redacted] Progress Bar
[redacted] Critical Activity

CSM1

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BWXT Y-12, LLC

Containers, Storage, & Mtrl Disp

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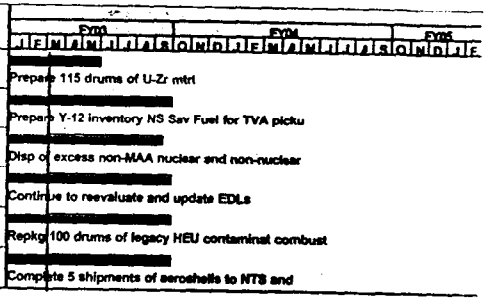
Enclosure 2
Attachment 2

Activity ID	Activity Description	Orig Dur	Rem Dur	Early Start	Early Finish	% Comp	WBS
PB04	Prepare 115 drums of U-Zr mtrl	174	53	01OCT02A	30MAY03	0	1.2.0.0.5
PB05	Prepare Y-12 inventory NS Sav Fuel for TVA pickup	261	143	01OCT02A	30SEP03	0	1.2.0.0.5
PB06	Disp of excess non-MAA nuclear and non-nuclear	210	132	01OCT02A	15SEP03	0	1.2.0.0.5
PB07	Continue to reevaluate and update EDLs	261	143	01OCT02A	30SEP03	0	1.2.0.0.5
PB08	Repkg 100 drums of legacy HEU contaminat combust	261	143	01OCT02A	30SEP03	0	1.2.0.0.5
PB09	Complete 5 shipments of aeroshells to NTS and	261	143	01OCT02A	30SEP03	0	1.2.0.0.5



Start Date	01OCT02
Finish Date	29SEP05
Data Date	07MAR03
Run Date	10MAR03 14:37

Early Bar
Progress Bar
Critical Activity

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