7/16/02 Provided to Ed Kelley, CDPHE, in response to release on 779 Pad

B707/776/777 Cargo Loading

July 2002

JUL 2002

Best Available Copy

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ADMIN RECORD

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B707-A-000085

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Current Process per PRO-1285

- Aisles, passageways, and egress routes **SHALL** be kept clear of any obstructions and kept in good repair.
- Barricades, signs, and/or spotters **SHALL** be utilized during outside powered industrial truck (PIT) operations, as required.
- Personnel **SHALL** maintain a safe distance from PIT loads or other unsecured objects. Unless otherwise described in the Job Hazard Analysis (JHA), a safe distance **SHALL** be equivalent to the total load height above the floor level.
- Approved waste items to be transferred **SHALL** be wrapped in plastic to comply with the requirements of the SRCM.
- Package integrity and radiological surveys **SHALL** be confirmed prior to transfer of waste item/package outside the buildings.
- All PIT operations SHALL comply with applicable Job Hazard Analysis (JHA), other building requirements, and MAN-072-OS&IH PM, Occupational Safety & Industrial Hygiene Program Manual, Chapter 11, Powered Industrial Trucks.
- PIT SHALL be operated within required speed limits, as well as speed limits posted in accordance with Site SAR.
- All PIT transfers SHALL be performed in accordance with MAN-T91-STSM-001.

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Current Process per PRO-1285, cont

- Propane powered PITs SHALL NOT be used for the transfer of radioactive materials.
- Combustibles/flammables on the PIT SHALL be limited to those necessary to accomplish the transfer.
- PIT operator, working in conjunction with the PIT Operations Supervisor, SHALL be within radio communications and will stop the PIT transfer if security/emergency response vehicles are in the immediate vicinity of the transfer.
- Heavy-duty, leather work gloves, or other gloves approved by IH&S, SHALL be used when pinch points and sharp edges exist.
- PIT personnel and personnel working in the vicinity of PIT activities SHALL wear a high-visibility traffic vest, safety glasses, and hard-toed shoes. (While operating the PIT, the driver of the PIT does not need to wear a high visibility traffic vest.)
- Each load of waste transferred on a PIT SHALL be limited to a maximum of four drums (palletized), one item/package, or two waste boxes and SHALL be secured to the PIT in accordance with OS&IH Program Manual, Chapter 11.
- Radiological Personnel surveys waste items/packages prior to transfer to confirm compliance with SRCM requirements.
- Waste items are adequately labeled and prepared for transfer.
- PIT inspections and the checklist are performed in accordance with MAN-072-OS&IH PM

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Current Process per PRO-1285, cont

- Permanent postings and barriers to restrict vehicle movement on roadways around the 779 Pad and 729 Pad are in place.
- Configuration Control Authority (CCA) authorizes to temporarily restrict vehicle movement in any area outside the permanently restricted areas that will be affected by the planned transfer.
- Notifications to security, fire dept, and trucking of the temporary road closure are made
- Prior to the start of authorized transfers, an LS/DW announcement to 776/777/707 Closure Project personnel is made to indicate:that a radioactive PIT transfer is to be conducted outside the project buildings AND the area affected by the transfer AND to limit pedestrian traffic in affected areas during transfer.
- Identify a cargo container for potential space for the load and inspect cargo container sidewalls for sharp edges and repair, as necessary.
- Verify that adequate space exists in the cargo to receive the load by measuring the load and the space available in the cargo (as of 06-23-02).
- Check for cargo clearances during loading, using two spotters, one on each side of the load (as of 06-23-02).
- Transfers of all palletized SCO gloveboxes from the Building 776 West Dock require the approval of the CCA **and** the Director of Decommissioning or designee (as of 06-23-02).
- Pallets carrying the waste item is wider and longer than the load (as of 06-23-02).

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Changes to be Implemented

- B707/776/777 will load palletized SCO items directly from docks into cargoes as often as practical except in the event of equipment failures, equipment capability is reached, or approved by the CCA and the Director of D&D or designee.
- B707 will utilize the two east docks and a dock on the west side second floor area (not yet built).
- B776/777 will primarily utilize the southeast (SE) dock.
- B776/777 will also use the west dock under special circumstances with senior management approval for such things as the supercompactor and other items that cannot physically be moved to the SE dock.
- End and port caps will be modified to reduce the potential of being dislodged in the event of an accident.

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Implementation Schedule

• Modify PRO-1285 to include approval of any item being removed from the facilities with a forklift.	Complete
• Establish a specific line item on the B707 & B776/777 PODs for Palletized Waste Item Removal with Forklifts, Director of D&D approval is required.	Complete
• Modify the B707 east dock(s) to allow for direct loading of waste items into a cargo.	07-19-02
• Fabricate & install a platform loading area for cargoes on the west side second floor of B707.	08-16-02
• Modify the B776 SE dock to allow for direct loading of waste items into a cargo.	10-25-02
• Develop improved end and port caps.	07-18-02

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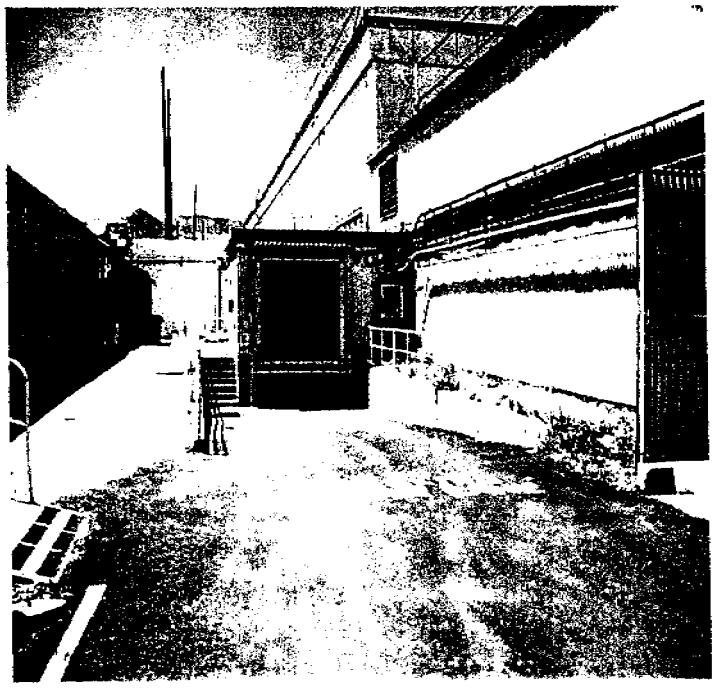
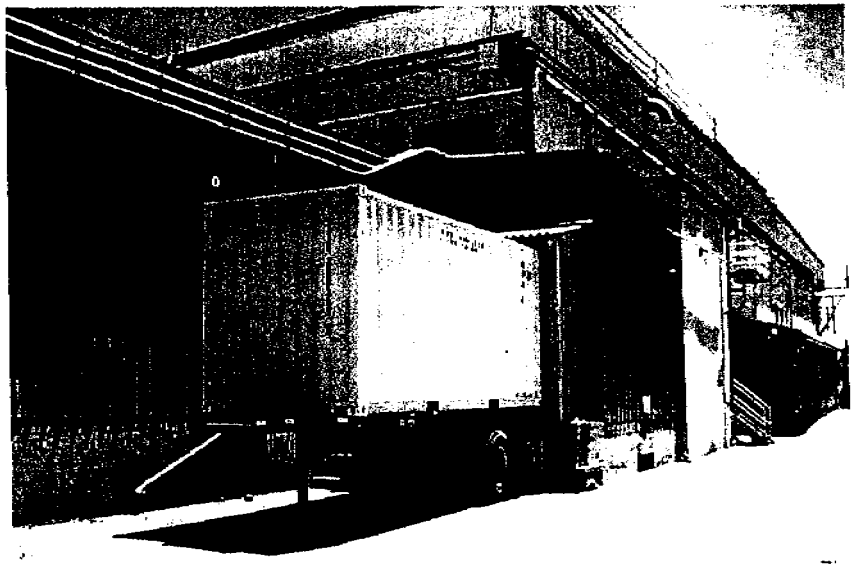
BB776/777 Dock Photos

Southeast dock



Northwest dock



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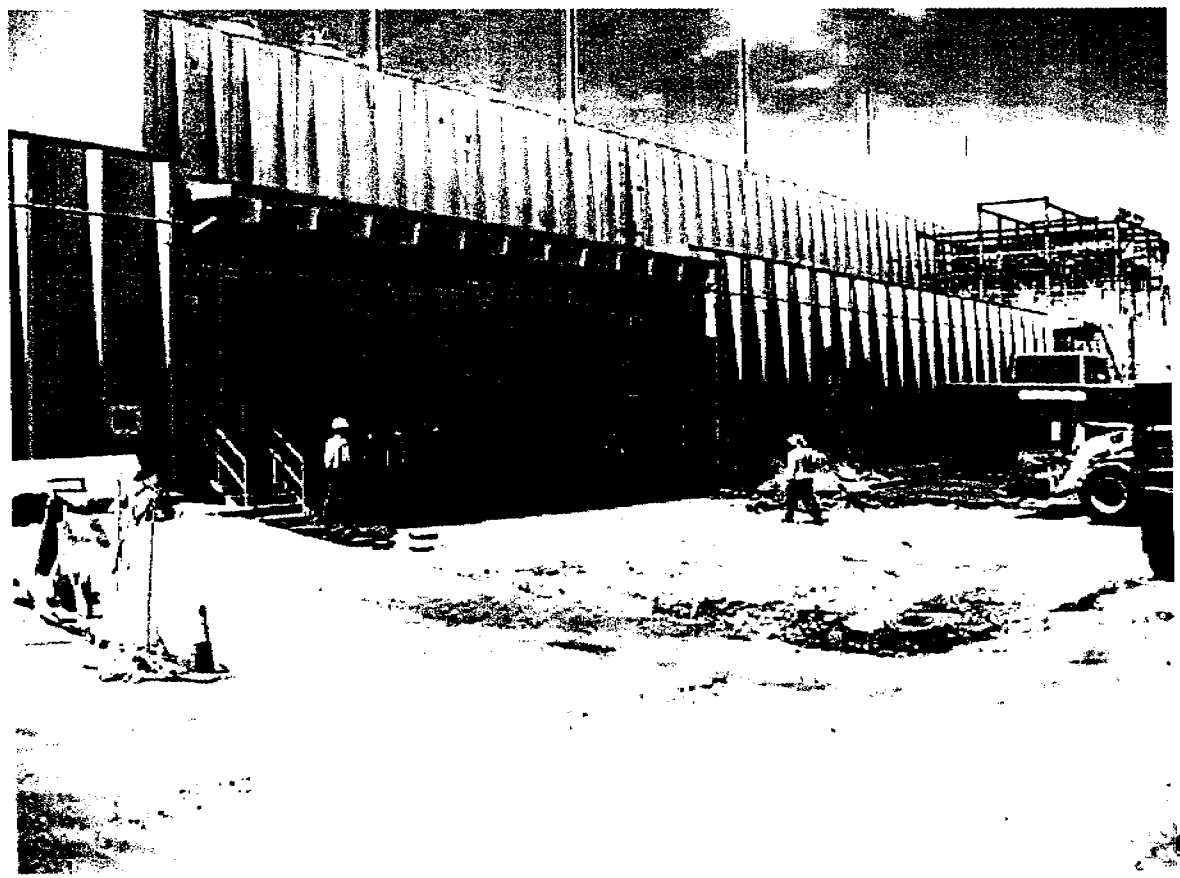
B707 East Docks



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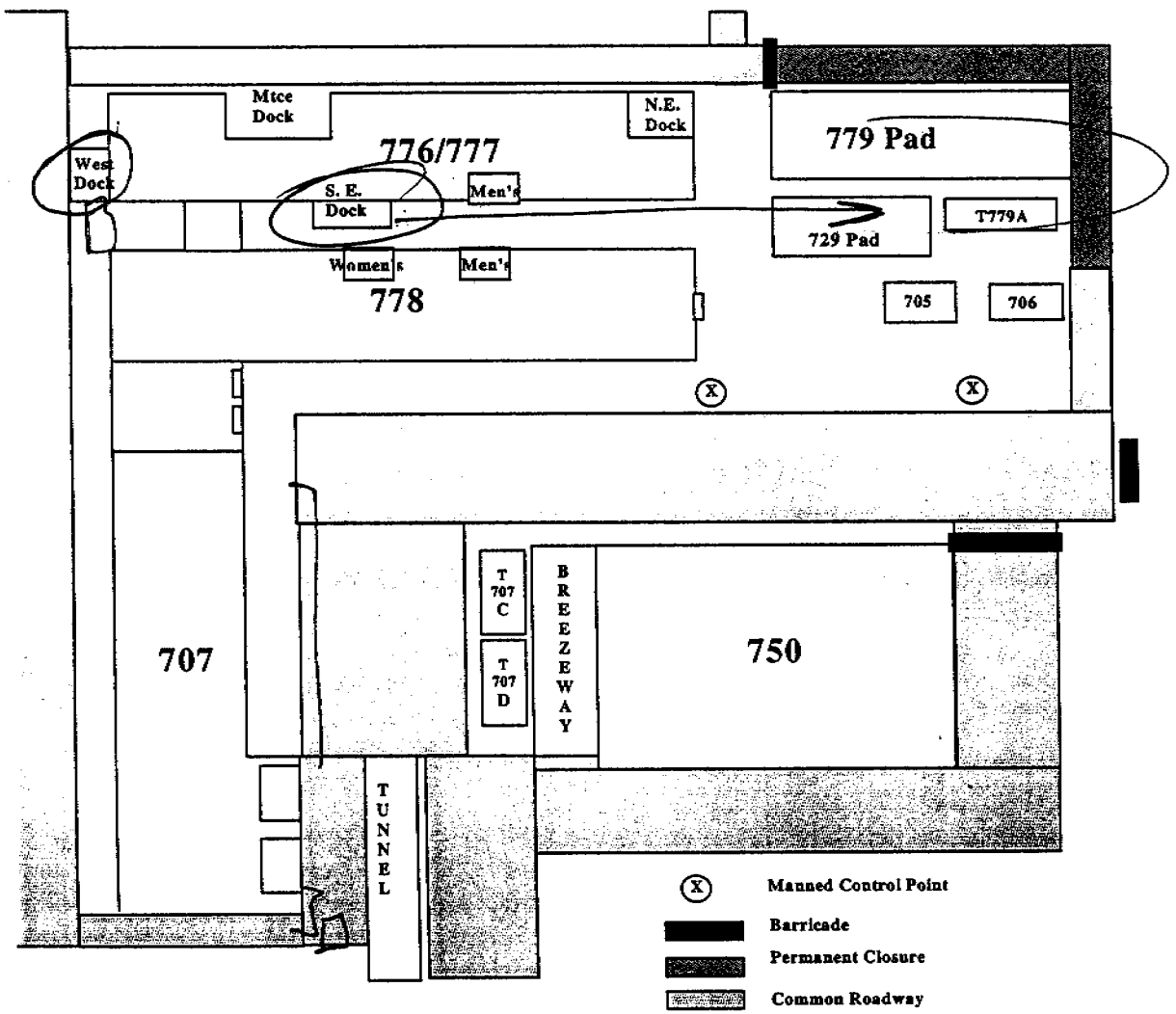
Map



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