



U.S. Department of Energy
Office of Civilian Radioactive Waste Management



The Yucca Mountain Project – Design Status

Presented to:
Waste Management Symposium 2007

Presented by:
Ted Feigenbaum
President and General Manager
Bechtel SAIC Company, LLC

February 26, 2007
Tucson, AZ

Bechtel SAIC Company, LLC (BSC)

- **BSC is the prime contractor to the Department of Energy's Yucca Mountain Project**

BSC Mission

We design and license the nation's nuclear waste repository at Yucca Mountain, incorporating safety and quality into our work processes to protect people and the environment.

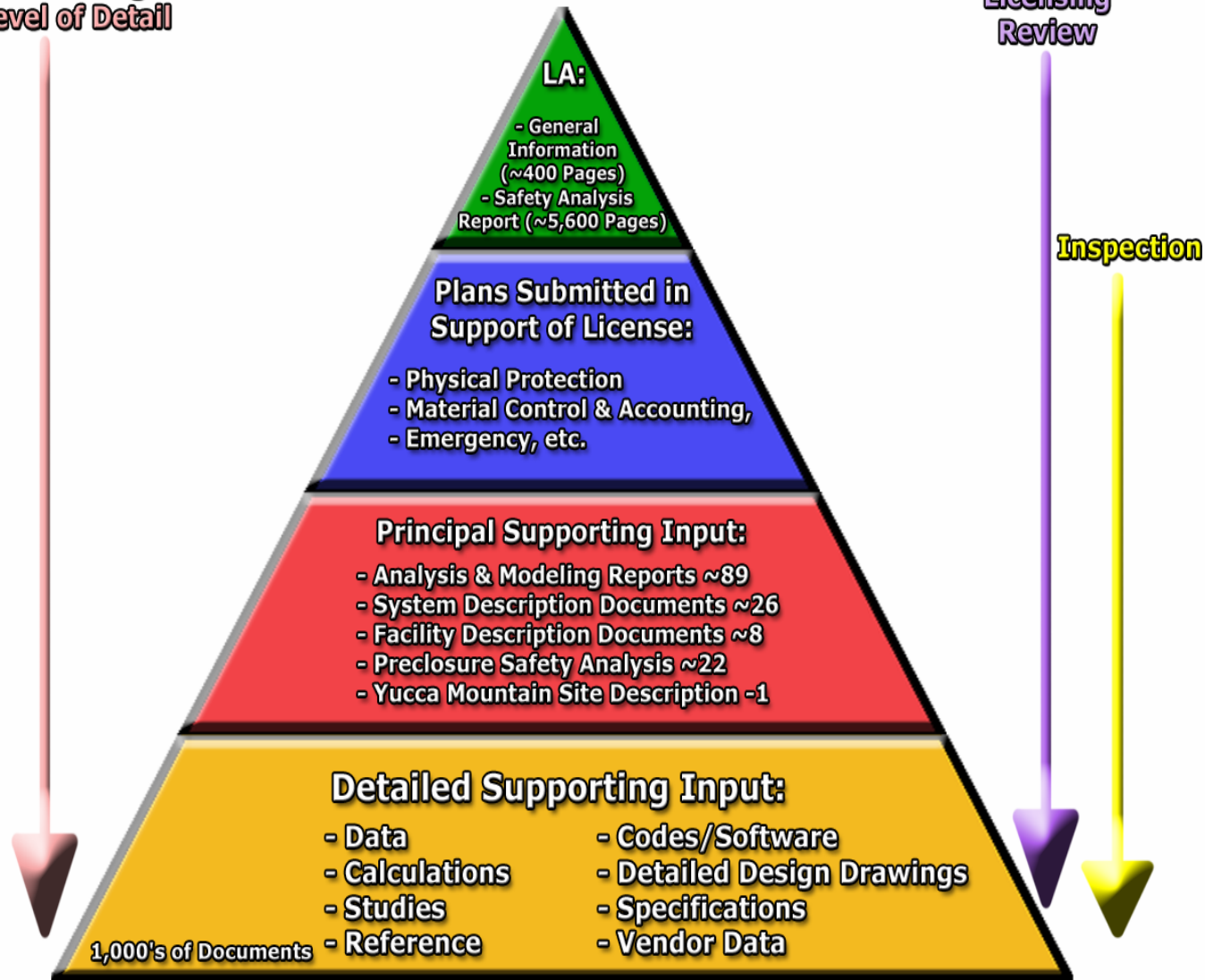
We constantly strive to fulfill all applicable regulatory requirements while upholding BSC Leadership Covenants, thereby securing the trust and confidence of our workers, our community, and the nation.



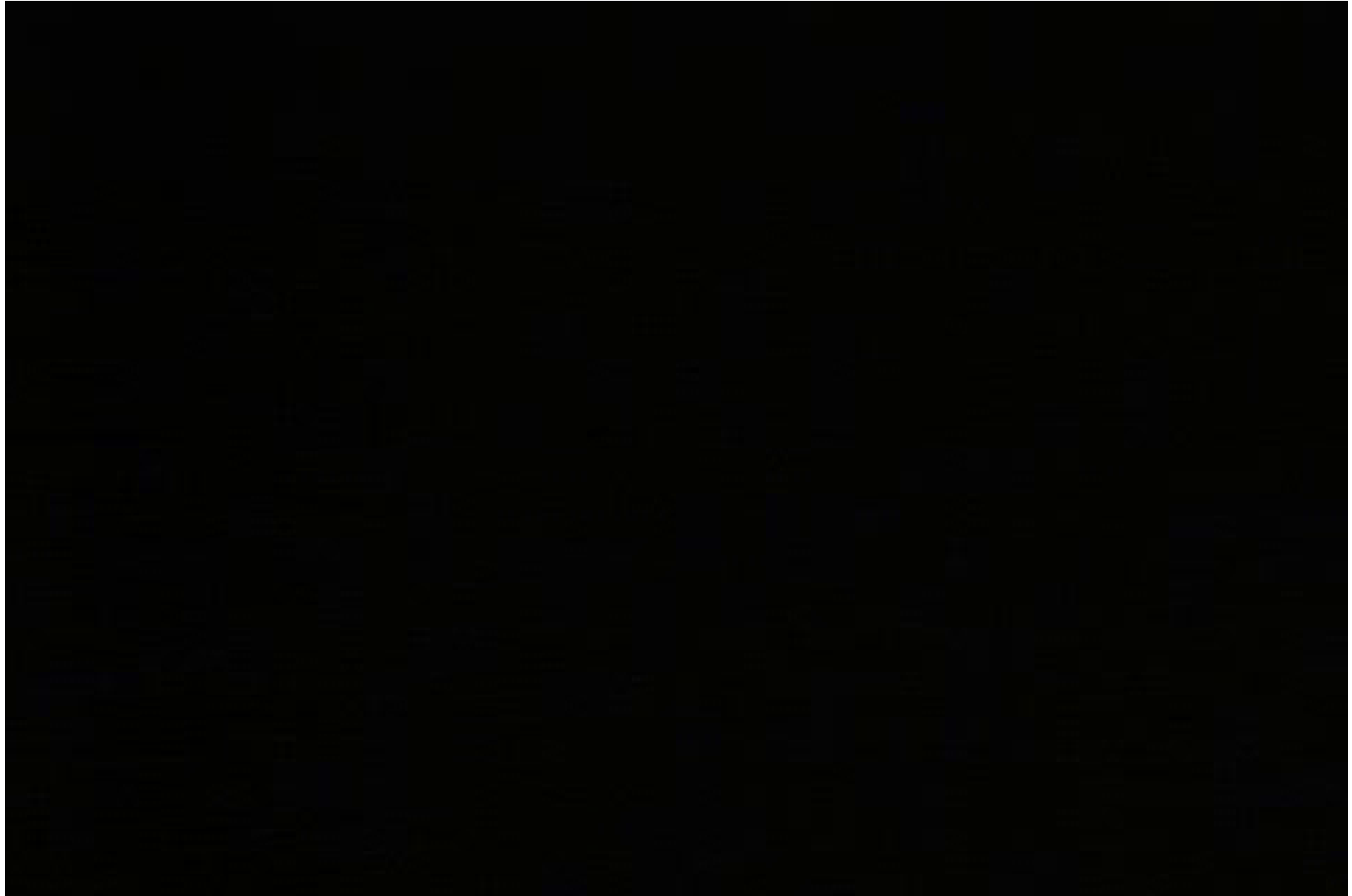
License Application (LA) Content and Supporting Documents

Increasing
Level of Detail

Licensing
Review

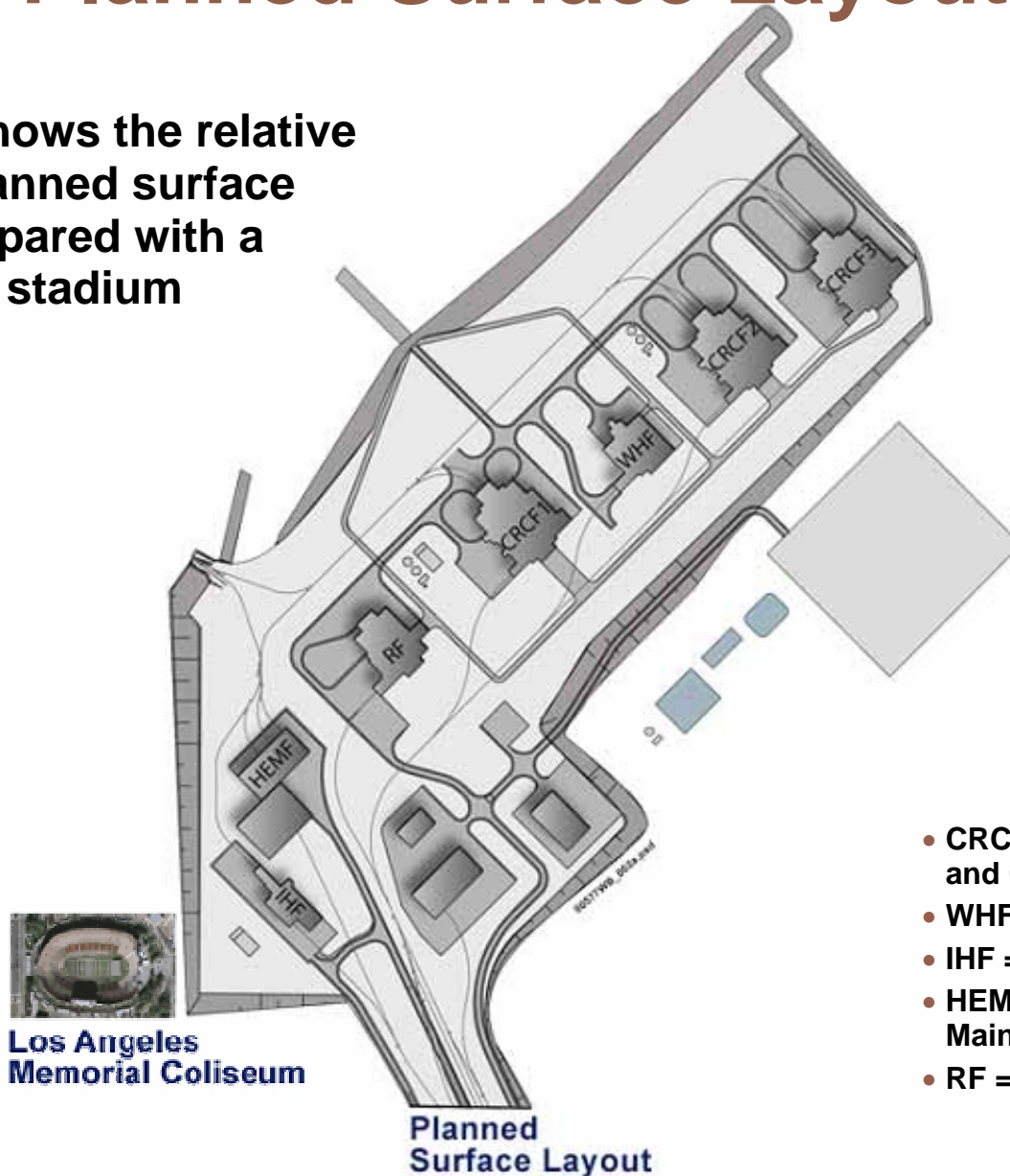


Yucca Mountain



Planned Surface Layout

- This image shows the relative size of the planned surface facilities compared with a large football stadium



Los Angeles Memorial Coliseum

Planned Surface Layout

- CRCF = Canister Receipt and Closure Facility
- WHF = Wet Handling Facility
- IHF = Initial Handling Facility
- HEMF = Heavy Equipment Maintenance Facility
- RF = Receipt Facility



Planned Surface Layout



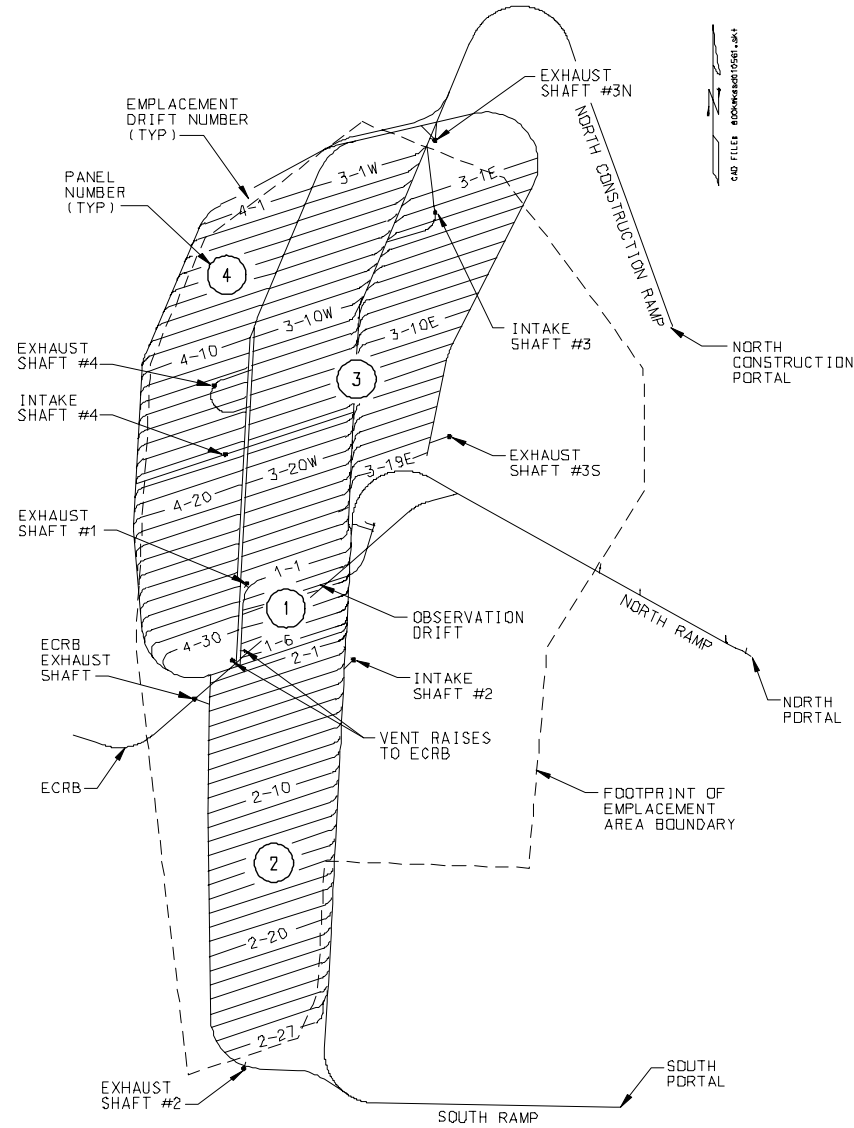
The Transportation, Aging, and Disposal Canister (TAD) is Transferred from the Transportation Cask to the Waste Package



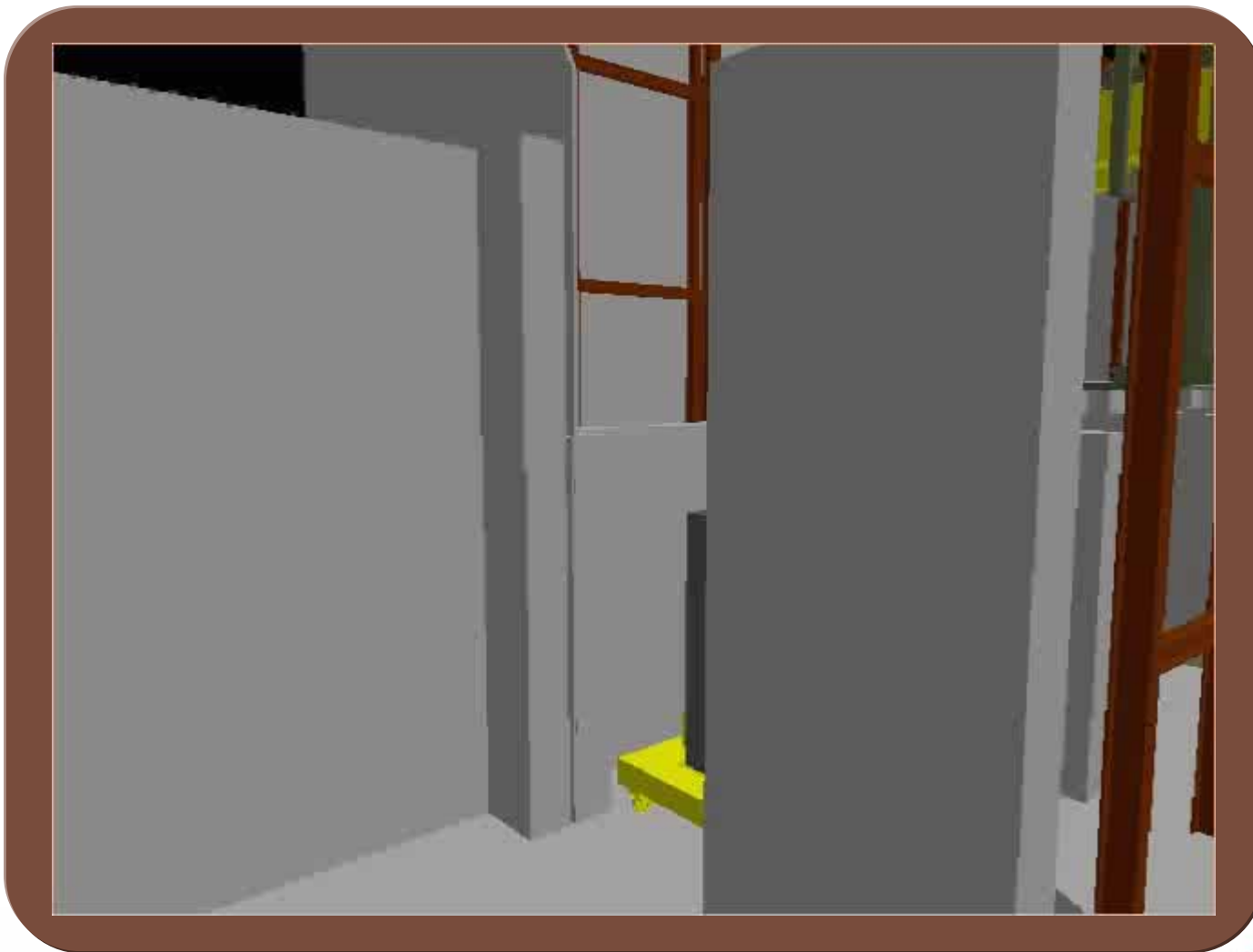
The Waste Package is Welded Shut with Robotic Welding Arms



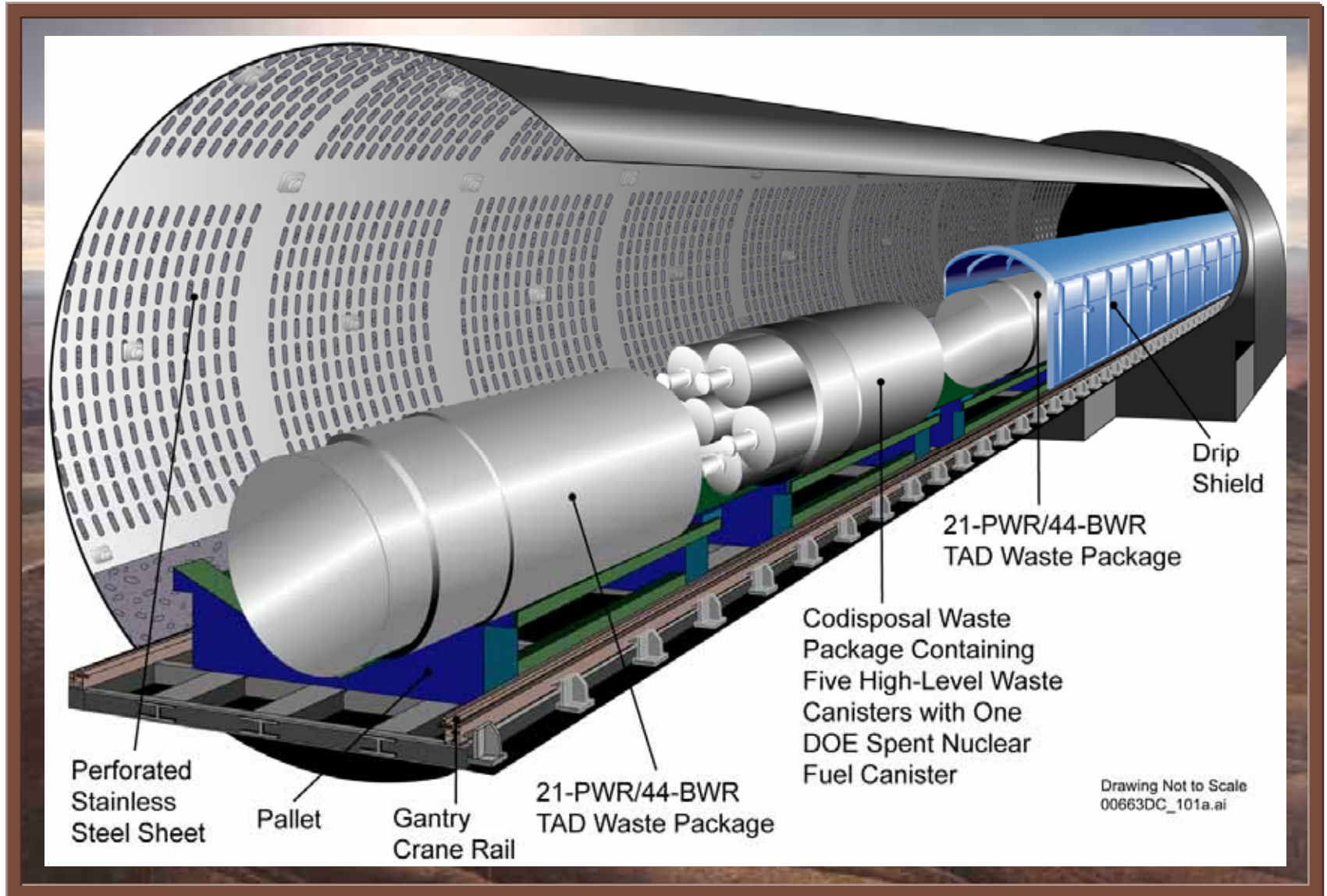
Subsurface Layout



A Transport and Emplacement Vehicle (TEV) Picks up the Waste Package and Places it in an Emplacement Tunnel



Waste Package



Yucca Mountain Repository Schedule

