



*Repurposing of EM Facilities; Phased  
Transition of mission relevant facilities  
to Office of Nuclear Energy*



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safety



performance



cleanup



closure

# ***EM Benefits of Transfers***

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- The Idaho Cleanup Project's post 2016 vision includes transferring useable infrastructure to NE
- Many INTEC facilities are or will become surplus to the Idaho Cleanup Project mission
  - CPP-666 SNF Pool Storage and FDP Cell
  - CPP-603 Irradiated Fuel Storage Facility
- Transition to the Idaho National Laboratory (INL) for beneficial use is more cost effective for the Department over the long term than D&D



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# *NE Benefits of Transfers*

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- NE gains infrastructure to support its mission to demonstrate advanced fuel separation technologies, nuclear-fuel recycling, and waste management technologies
  - Potential saves requesting Capital Project to support NE mission need
  - Enables NE to proceed from hot bench-scale testing to engineering-scale operations (RAL)
  - Provides opportunities to strengthen NE's relationship with the Navy and gain experience with Nuclear Regulatory Commission licensed facilities



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# ***Transfer Approach***

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- Potential transfer process is outlined in an EM/NE MOU
  - Remote Analytical Laboratory is currently being evaluated as potential candidate.
- Current approach allows NE to validate operational costs and verify capability of the facility during the potential transfer process
- Decision points allow EM to verify the validity of its investments in facility maintenance
  - prior to in-facility operations by NE as a tenant
  - prior to ownership transfer to NE



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# *Remote Analytical Laboratory (RAL) Transfer*

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- Current – BEA performs mission work within RAL as tenant to EM
  - BEA work is work is conducted under CWI safety basis using BEA procedures.
- Facility transfer decision FY14 to FY15 per the MOU



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# *Background Information*



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# Ongoing SNF Scope

- Transfers of Navy fuel back to the Navy - through September 2017
- EBR-II Fuel Transfers from CPP back to MFC - through March 2022
- FRR Receipts - through September 2019
- DRR Receipts - no end date identified
- ATR receipts - no end date identified
- All SNF must out of wet storage by December 2023 per the Idaho Settlement Agreement



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# Potential Facilities to be considered for Transfer

Designation	Facility
CPP-684	Remote Analytical Laboratory
CPP-749	Underground Fuel Storage Facility for used fuel dry storage
CPP-2707	Cask Pad West Valley Reprocessing Plant Independent Spent Fuel Storage Installation
CPP-1774	Three Mile Island-2 Independent Spent Fuel Storage Installation (NRC Licensed)
CPP-666	FAST wet fuel storage area
CPP-666	FAST Fluorinel Dissolution Process area
CPP-603	Irradiated Fuel Storage Facility for used fuel dry storage (Fort St. Vrain)
Not yet constructed	Idaho Spent Fuel Facility (NRC Licensed)
CPP-691	Fuel Processing Restoration Facility
Fort St. Vrain	Fort St. Vrain, Irradiated Fuel Storage Facility Installation (NRC Licensed)
Various	Support Facilities



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# *CPP-749 - Underground Fuel Storage Facility for Used Fuel Dry Storage*



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# *CPP-2707 - Cask Pad*

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# *CPP-1774 - Three Mile Island-2 Independent Spent Fuel Storage Installation (NRC Licensed)*



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# *CPP-666 - SNF Basins & FDP Cell (FAST)*

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# *CPP-603 - Irradiated Fuel Storage Facility for Dry SNF Storage*



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# *CPP-691 - Fuel Processing Restoration Facility*

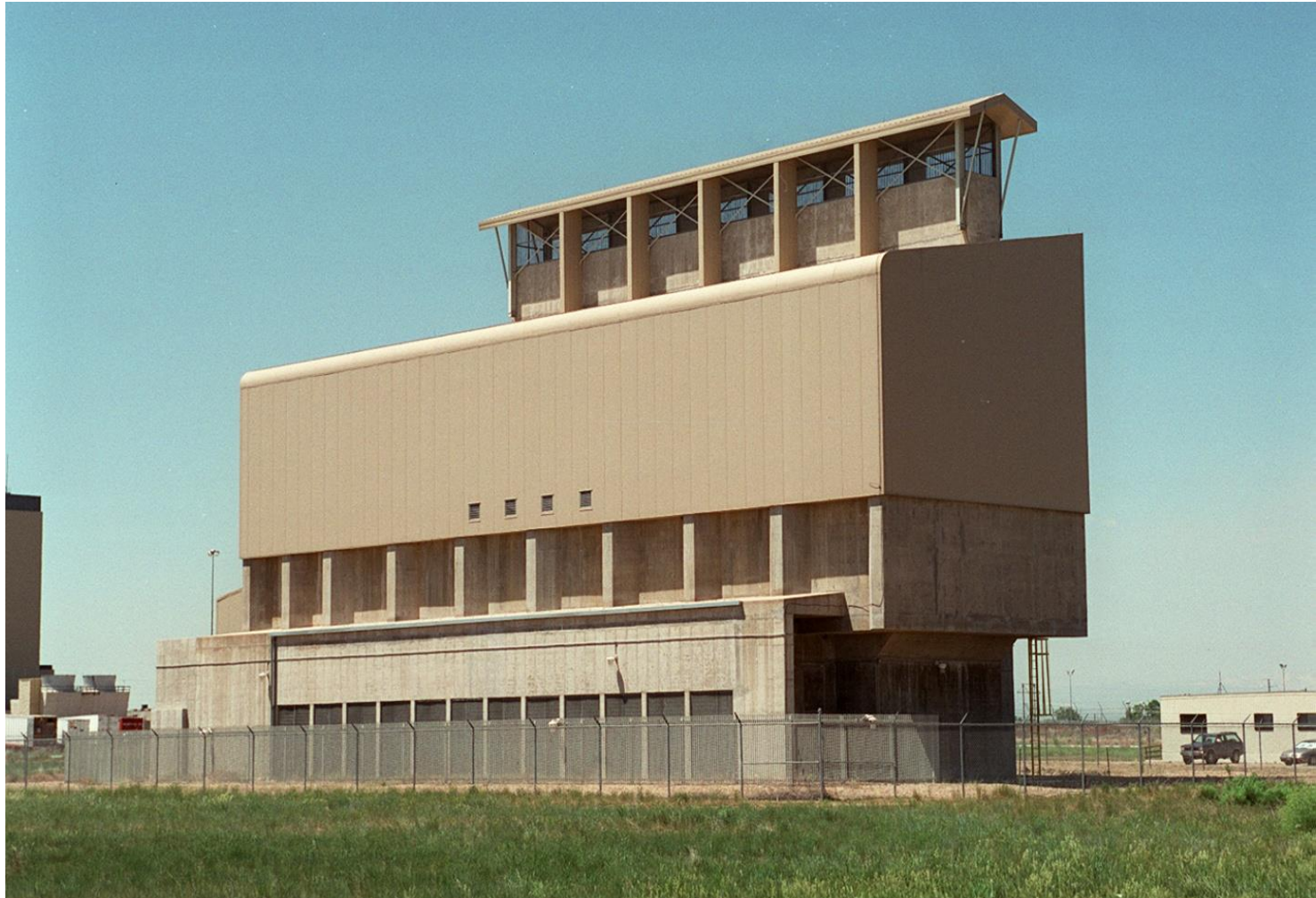
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# *Fort St. Vrain, Irradiated Fuel Storage Facility Installation (NRC Licensed) in Fort St. Vrain, Colorado*



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