NAC INTERNATIONAL | SOLUTIONS

PARTNER WITH NAC FOR DECOMISSIONING SUCCESS

NAC is today's market share leader in providing dry storage systems to commercial and government D&D sites post-shutdown.

When it comes to addressing used fuel and waste needs at shutdown sites, the track record is clear—**NAC International (NAC) is the proven expert**, with experience at more U.S. decommissioning sites than any other supplier.

KEY POINTS:

- With over 20 years of experience, NAC is a leader in decommissioning efforts
- Our technology system designs help minimize risk and dose
- NAC has proven success with record fuel loading and transfer durations
- NAC's versatile NRC-licensed designs have been adapted for challenging U.S. government waste streams

20+ YEARS

NAC has supplied dry storage systems to U.S. commercial NPP decommissioning projects since 2001.

PROVEN EXPERTISE

When it comes to the transfer and storage of used nuclear fuel, fuel debris, and greater-than-class-C (GTCC) waste at nuclear power plants (NPPs), NAC provides the benefits of more than 20 years of decommissioning experience. Our experience has also facilitated safe and efficient waste storage at government facilities using NAC-designed systems. This experience has taught our experts a major lesson — used fuel storage is more intricate at decommissioned facilities than at operating plants.

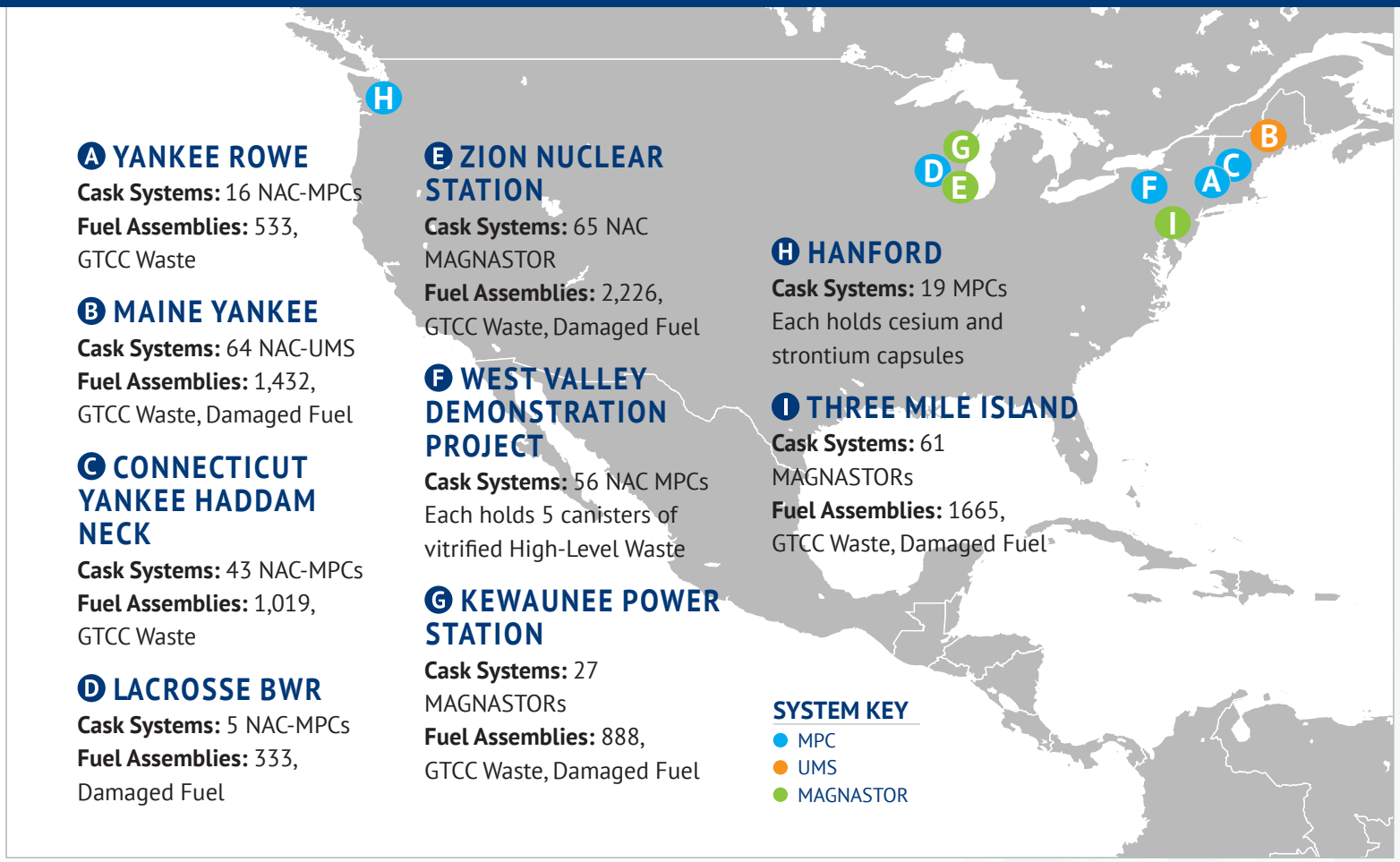
Experience, robust design and versatility make NAC the best choice for minimizing risk to decommissioning and closure schedules.

NAC's project experience, knowledge and system designs will streamline fuel removal from the plant to dry storage (defueling), which accelerates decommissioning. With a proven track record, NAC has successfully addressed key elements of used fuel, GTCC, and high-level waste (HLW) at shutdown sites including:

- Demonstrating safety, seismic and dose performance (all projects measured near 0 mrem/year at ISFSI and site boundary)
- Handling and packaging damaged fuel, fuel debris, and GTCC waste
- Employing non-invasive draining and drying operations
- Mobilizing large-scale fabrication efforts
- Addressing unique infrastructure challenges, demanding schedules, and public and government constituencies

Transport of the 24th MAGNASTOR system to the Kewaunee ISFSI pad.

SUCCESSFUL DECOMMISSIONING EFFORTS AT U.S. SITES



A YANKEE ROWE
Cask Systems: 16 NAC-MPCs
Fuel Assemblies: 533,
GTCC Waste

B MAINE YANKEE
Cask Systems: 64 NAC-UMS
Fuel Assemblies: 1,432,
GTCC Waste, Damaged Fuel

C CONNECTICUT YANKEE HADDAM NECK
Cask Systems: 43 NAC-MPCs
Fuel Assemblies: 1,019,
GTCC Waste

D LACROSSE BWR
Cask Systems: 5 NAC-MPCs
Fuel Assemblies: 333,
Damaged Fuel

E ZION NUCLEAR STATION
Cask Systems: 65 NAC MAGNASTOR
Fuel Assemblies: 2,226,
GTCC Waste, Damaged Fuel

F WEST VALLEY DEMONSTRATION PROJECT
Cask Systems: 56 NAC MPCs
Each holds 5 canisters of vitrified High-Level Waste

G KEWAUNEE POWER STATION
Cask Systems: 27 MAGNASTORs
Fuel Assemblies: 888,
GTCC Waste, Damaged Fuel

H HANFORD
Cask Systems: 19 MPCs
Each holds cesium and strontium capsules

I THREE MILE ISLAND
Cask Systems: 61 MAGNASTORs
Fuel Assemblies: 1665,
GTCC Waste, Damaged Fuel

SYSTEM KEY
- MPC
- UMS
- MAGNASTOR

NAC International has unparalleled experience supporting NPP decommissioning. NAC played an integral role in the decommissioning of seven U.S. nuclear power plants, supplying transportable storage systems for used nuclear fuel, GTCC waste and other material and DOE installation cleanup. Work is ongoing at TMI-2 for installation and loading of MAGNASTOR systems. NAC's versatile storage system designs have also been adapted for unique HLW at U.S. DOE sites.

Top right photo: Cask temperatures are continuously monitored at the ISFSI.
Bottom photo: NAC MAGNASTOR spent fuel casks on the Zion ISFSI pad.

NAC INTERNATIONAL

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