

NNSA Eliminating Excess Facilities

NA-50

Office of Safety, Infrastructure, and Operations

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- *NNSA infrastructure that is no longer needed must be disposed of to minimize the risk to workers, the public, the environment, and the public*
- *Risk reduction activities for excess facilities awaiting disposition must be completed to minimize dangers*
- *The highest risk, excess assets must be characterized, stabilized, and its hazardous materials removed*

- *NNSA is increasing resources to stabilize contaminated facility and disposition excess facilities*
 - *Improving the quality and consistency of our data and developing stable long-range disposition plans*
 - *Life-cycle approach to asset management and deploying new data-driven, risk-informed tools to create a science-based infrastructure stewardship program*
- *Working towards minimizing the historically long periods between shutting down an asset to demolition*
 - *Added benefit of lowering maintenance and operations costs*

- *Changing the way NNSA manages its infrastructure and supporting the DOE's disposition priorities to stabilize high-risk facilities, characterize its hazards and conditions, remove hazardous materials, and plan them in the lowest risk condition possible*
 - *Goal: Eliminate risk by demolishing the facility and disposing of its waste*
- *NNSA total assets at 36.1 million GSF are operating and 4.2 million GSF are categorized as excess*
 - *NNSA's excess GSF decreased from 13% to 10% in FY2018 Q1 (included transfer of the Bannister Federal Complex in Kansas City)*
 - *Removed 4.2 million GSF of excess facilities*

- *NNSA's Disposition Strategic Plan addresses NNSA's aging and excess infrastructure*
 - *Allows for more effective decision making and better investment of resources*
 - *Process-contaminated facilities pose the greatest hazards; however, other excess facilities pose dangers as well due to structural degradation, industrial contamination, and increased vulnerability to fire.*
 - *NNSA takes into consideration factors when determining disposition projects to fund*
 - *Factors include: the risk posed by the facility as well as readiness to execute the project*
- *NNSA funded and demolished high risk buildings*
 - *At LANL, Critical Assembly and Storage Areas 2 and 3 in FY17 and Inspection Building 16-0280 in FY18*
 - *LANL uranium materials press building was demolished in July 2017*
 - *This 15, 000 GSF structure was built in early 1950s and used until the 1990s*
 - *Current location makes it an important disposition target for enabling future mission growth*
 - *Kansas City's NC-135 complex @ KAFB, NM*
 - *TA-16-0280 Complex @ LANL*
 - *7 Facilities at the Nevada National Nuclear Site*
 - *Mercury Site including the bowling alley (the bowling alley is one of a number of projects aimed at modernizing a central location)*

Reduce Risk, Enable Growth (cont'd.)

- *NNSA continues to work with DOE-EM for the eventual disposition of B280 @ LLNL and the Biology complex at Y-12*
- *We transferred, to a private developer, the Bannister Fed Complex in Kansas City, MO. This was a major accomplishment since this decreased inventory of excess space by 3 million square feet, reduced Deferred Maintenance, and eliminated millions of dollars in ongoing financial liability.*
- *Operations and maintenance cost savings are immediately realized when obsolete facilities are retired, disposition, and risk mitigation activities are completed*
 - *There are structural and safety system degradation that leads to the migration of contaminants both inside and outside the facility*
 - *Degrading systems and equipment create safety and environmental risks thereby impacting nearby facilities which poses a risk to the mission and creating hazards to nearby workers.*
- *NNSA will continue to fund disposition in a risk-informed, data-driven manner*
 - *With the FY18 NDAA authority to disposition process-contaminated facilities with project costs of less than \$50M, an authority that originally resided in EM, NNSA plans to disposition additional high risk process contaminated facilities by FY2021*