

FEDERAL FACILITIES TASK FORCE

NGA Solutions: Center for Best Practices

January 2021

PRESENTATION OUTLINE

- Complex-Wide Updates (since Spring 2020 meeting)
- Administration Transition Notes
- Recent GAO Reports
- FY21 NDAA Highlights
- FY21 Budget Highlights
- HLW Report

Note: A digital copy of this presentation will be circulated with the FFTF

UPDATES FROM ACROSS THE COMPLEX

May – June 2020

- May 1st - WIPP expansion needed for proposed disposal of surplus plutonium at nuclear waste repository
- May 13th - Hanford strategy for worst nuclear waste criticized. Plant estimates skyrocket to \$41 billion
- June 26th - Nevada officials reach deal with feds on illicit plutonium shipments



UPDATES FROM ACROSS THE COMPLEX

July – August 2020

- August 13th - 'Getting it done.' U.S. energy secretary marks milestone at Richland radioactive waste plant
- August 18th - Radioactive operations at Salt Waste Processing Facility can begin
- August 30th - Feds to ship toxic radioactive metal out of SC after years of disputes with the state



UPDATES FROM ACROSS THE COMPLEX

September – October 2020

- September 29th - Radioactive wastewater coming to West Texas under DOE's new high-level waste definition
- October 5th - 'Outdated.' Hanford is unprepared for another radioactive tank waste leak, says federal audit
- October 13th - Oak Ridge, Tennessee, site cleans up 75-year waste legacy



UPDATES FROM ACROSS THE COMPLEX

November – December 2020

- November 12th - 86,000 gallons of radioactive waste handled at SWPF so far
- November 26th - Crews start closure work at waste retrieval enclosure
- December 17th - Nuclear weapons agency breached amid massive cyber onslaught



ADMINISTRATION TRANSITION

Nominee for Energy Secretary

- Former Michigan Gov. Jennifer Granholm

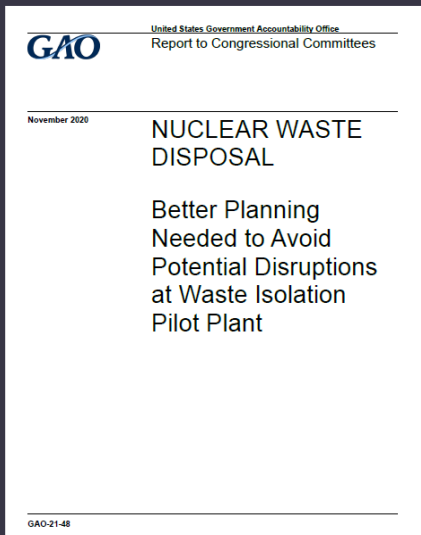
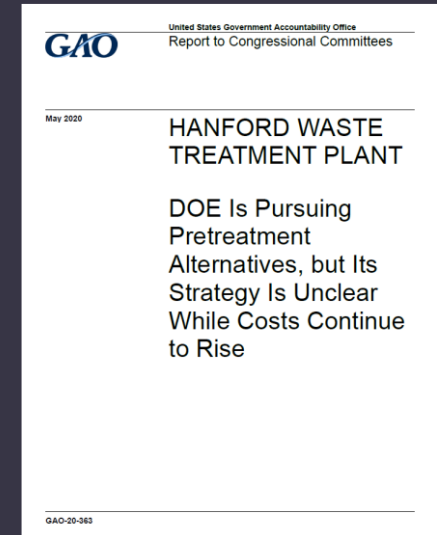
Potential Impacts to DOE Policy

- Changes at DNFSB
 - NNSA – DOE balance
- Re-examination of NNSA plutonium pit production plans
- Interim storage plans

RECENT GAO REPORTS

DOE Is Pursuing Pretreatment Alternatives, but Its Strategy Is Unclear While Costs Continue to Rise
May 2020

<https://www.gao.gov/products/GAO-20-161>



Better Planning Needed to Avoid Potential Disruptions at Waste Isolation Pilot Plant
November 2020

<https://www.gao.gov/products/GAO-21-48>

FY21 BUDGET HIGHLIGHTS

Category	FY20 Enacted	FY21 Enacted
Defense Environmental Cleanup	\$6255.0	\$6426.0
Non-Defense Environmental Cleanup	\$319.2	\$319.2
Uranium Enrichment D&D Fund	\$881.0	\$841.0
Total	\$7455.2	\$7586.2



<https://public.tableau.com/profile/andy.chinn#!/vizhome/DOE FY2018/Overview>

S.4049 - NATIONAL DEFENSE AUTHORIZATION ACT FOR FISCAL YEAR 2021

1. SEC. 4410. Public statement of environmental liabilities.

“Each year, at the same time that the Department of Energy submits its annual financial report under section 3516 of title 31, United States Code, the Secretary of Energy shall make available to the public a statement of environmental liabilities, as calculated for the most recent audited financial statement of the Department under section 3515 of that title, for each defense nuclear facility at which defense environmental cleanup activities are occurring.”.

2. SEC. 3142. Inclusion of missed milestones in future-years defense environmental cleanup plan.

Section 4402A(b)(3) of the Atomic Energy Defense Act (50 U.S.C. 2582A(b)(3)) is amended by adding at the end the following:

“(D) For any milestone that has been missed, renegotiated, or postponed, a statement of the current milestone, the original milestone, and any interim milestones.”.

FY2021 ENERGY AND WATER DEVELOPMENT ACT: HIGHLIGHTS

- SNF: \$20 M – Interim Storage for Spent Nuclear Fuel
- Hanford: “The Department is reminded that meeting the Consent Decree milestone for operations of Direct Feed Low Activity Waste must remain the Department's top focus within the Office of River Protection.” (113)
- Oak Ridge: “The agreement provides \$5,900,000 for Community and Regulatory Support but notes the Department has not provided the work plan from the State of Tennessee. Continued funding is contingent upon measurable progress in review and disposition of regulatory documents necessary for cleanup at the site.” (113)
- Oak Ridge: “Concerns persist regarding the delays in issuing the Record of Decision for the new landfill and notes the Department has not provided the results of the evaluation of the cost of onsite disposal compared to the offsite disposal, and the economic impact to the local community. The Department is directed to brief the Committees on Appropriations of both Houses of Congress on this topic not later than 30 days after the enactment of this Act.” (114)

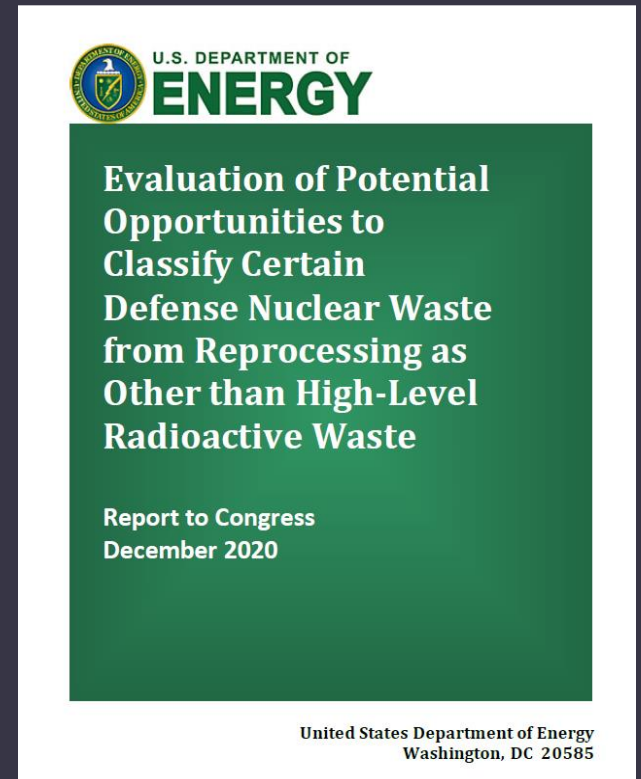
FY2021 ENERGY AND WATER DEVELOPMENT ACT: HIGHLIGHTS

- WIPP: “The agreement does not include funding for infrastructure improvements as outlined in the House report but directs the Department provide a report to the Committees on Appropriations of both Houses of Congress not later than 90 days after the enactment of this Act on WIPP-related road usage and future funding needs for this activity.” (114)
- DNSFB: “...concerns persist with the Department's continued desire to reshape, often without merit, the Department’s interactions with the Defense Nuclear Facilities Safety Board. Additionally, concerns persist regarding the Department's Order 140.1, and the Department is directed to brief the Committees on Appropriations of both Houses of Congress not later than 30 days after the enactment of this Act on the revised Order. Further, the Department is directed to work with the Board to establish a bilateral Memorandum of Understanding between the two agencies to assure operational interface issues between the two agencies are fully resolved.” (115)

REPORT TO CONGRESS ON HLW DEFINITION REINTERPRETATION

Site	Potential Cost Savings
SRS	\$3b - \$4b
INL	\$11b - \$14b
Hanford	\$73b - \$210b

- *Other potential opportunities that may warrant further evaluation include WVDP vitrified canisters, cesium and strontium capsules at Hanford, SRS failed melters, INL electrometallurgical treatment waste, and ion-exchange columns/cartridges used in waste treatment (e.g., cesium removal). (27)*



END OF UPDATE PRESENTATION

Thank you!