

~~Unclassified Controlled Nuclear Information~~

30 Diamonds

WHY

January 2023

Reviewing Official: (b)(6)

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Guidance Used: CG-SS-5, 7/2016, DOE-OC

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30 Diamond Strategy

- The GOVT has realized that we are way behind in the world stage on production of nuclear weapons: Russia-China
- Congress, DOD, DOE, NNSA have realized that we need to replace pits in which the infrastructure has eroded over the past 30 years
 - Factors according to NNSA are: Plutonium aging, safety and security advancements, global risk, and weapon modernization
- LANL, right now is the only place with the capability to build pits. We have to achieve the capability to make Diamond Stamped pits, our country is depending on us to produce these pits.
- NWC (Undersecretary of Defense, Vice Chair JC, NNSA Admin, Commander STRATCOM) is depending on Los Alamos to produce the first Diamond Stamped pits
- There is a grave threat to the US and its allies with Chinas' expansion of its nuclear forces (road mobile, triad)
- Decontamination and Decommissioning (D&D) of GBs and installation of GBs was planned LANL started behind. LANL needs to not fall any further behind
- 2022 Nuclear Posture Review

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- LANL Leadership has realized that we have a massive challenge to be able to make Diamond Stamped pits
- This challenge has been voiced and NNSA is asking LANL to step up and produce (Savannah River)
- We have many different “colors” of money and reporting requirements for that money
- Each of the programs designed many of their D&Ds and installs independent of each other.
- Many of the projects were physically close to each other but not planned together, if they were planned together there could be gains in effort because D&D jobs could be done in parallel
- 30 Diamonds Strategy is a plan to group and prioritize these co-located campaigns (projects) together
- Many people have lacked confidence in LANLs role in producing 30 pits
- LANL has to produce, we have to D&D and install equipment to be able to produce these pits

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- Our D&D and installs have been interrupted by Pit Production, they have had priority in the rooms
- The initial methodology of 30 Diamond Strategy was a rolling-wave approach to limit interruption of pit production
- The rolling-wave would allow plutonium to be produced, foundry, machining, assembly operations
- When a 30 Diamond Campaign is started the priority shifts to the campaign and Pit Production will be second priority
- We currently have about 100 projects going on and these will continue as planned unless the resources are taken by 30 Diamonds

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