Department of Energy
National Nuclear Security Administration
Washington, DC 20585

National Nuclear Security Administration

March 15, 2017

MEMORANDUM FOR GEOFFREY L. BEAUSOLEIL
MANAGER
NNSA PRODUCTION OFFICE

FROM: PATRICK T. CAHALANE
COGNIZANT SECRETARIAL OFFICER FOR SAFETY

SUBJECT: Approval of Delegation of Startup Authorization Authority

REFERENCES: (1) Memorandum from G. Beausoleil to P. Cahalane, "Request for Delegation of Startup Authorization Authority (SAA)," November 14, 2016

(2) NNSA Business Operating Procedure 07.01, *Delegations of Nuclear Safety Authority*, October 28, 2014

(3) Memorandum from G. Beausoleil to J. McConnell, "Corrective Action Plan regarding Management Concern on the Technical Qualification Program from the *Final Report of the National Nuclear Safety Administration Production Office Biennial Review of Nuclear Safety Performance*, dated September 2, 2016," January 26, 2017

By memorandum, dated November 14, 2016; (Reference 1), you requested nuclear safety delegation for startup and restart of nuclear and high hazard non-nuclear facilities at the Pantex Plant and the Y-12 National Security Complex. I approve your request for startup of Hazard Category 3 nuclear facilities and high hazard non-nuclear facilities and the restart of Hazard Category 2 and 3 nuclear facilities (including nuclear explosive operations) and high-hazard non-nuclear facilities. I approve your request for startup authority for the Hazard Category 2 nuclear facility operations in Building 12-104A Bay 17. This memorandum documents my approval of the requested delegation.

Your qualifications and experience were evaluated according to the National Nuclear Security Administration procedure for delegating nuclear safety authority (Reference 2). A detailed evaluation of your qualification and experience for the requested Startup Authorization Authority (SAA) was performed by my staff in the Office of Safety. The staff's evaluation (attached) determined that you meet all of the requirements and no compensatory measures are required to grant the requested delegation.

NNSA Production Office's (NPO)'s capabilities, capacities, and framework to support your request for SAA were recently evaluated during the Headquarters Biennial

Review (BR) of the Office's nuclear safety performance. NPO's BR was conducted from April through June 2016.

The BR team reviewed NPO's exercise of delegated nuclear safety authority in the area of Startup and Restart of Nuclear Facilities and Safety Basis and determined that persons within NPO with delegated safety authority are adequately supported by its staff.

However, the Technical Qualification Program (TQP) was graded as "Does Not Meet Expectations" because the lack of an effective program could lead to a degradation in NPO's ability to support delegated safety authority. The performance deficiency in NPO's TQP was included in the BR team's final report as Management Concern (MC)-2.

On January 26, 2017, your office provided for information the strategy and Corrective Action Plan (CAP) (Reference 3) for addressing the Management Concern identified in the 2016 BR. The Office of the Chief of Defense Nuclear Safety reviewed the CAP and determined that the associated actions would address the Management Concern.

Therefore, in accordance with the Startup and Restart Approval Authorities granted to me as the NNSA Cognizant Secretarial Officer for Safety, I delegate the following startup authorization authorities to you:

> Startup – Startup Authority for new Hazard Category 3 nuclear facilities and high-hazard non-nuclear facilities.
>
> Restart – Restart Authority for Hazard Category 2 and 3 nuclear facilities (including nuclear explosive operations) and high-hazard non-nuclear facilities.
>
> Startup – Startup Authority for the Hazard Category 2 nuclear facility operations in Building 12-104A Bay 17.

These delegations remain valid while you serve in your current position and maintain the required qualifications. These delegations may not be re-delegated. If there are any questions, please contact Sam Johnson at (301) 903-7957.

Attachment

cc: J. McConnell, NA-50
T. Robbins, NPO
D. Sigg, NA-51
G. Hatchett, NA-51
J. Roberson, NA-51
C. Sykes, NA-511
D. Schwendenman, NA-512
C. Alvarado, NPO-30
C. McFall, NPO-40
K. Hoar, NPO-10

NA-51 Delegation Review
Geoffrey Beausoleil

Delegation Requested	Personal criteria and review results	Site criteria and review results	Comments
(a) Startup and Restart of nuclear and non-nuclear facilities including accelerators and nuclear explosive operations (includes restart authority for Hazard Category 2 & 3 nuclear facilities and high-hazard non-nuclear facilities); (b) Startup authority for Hazard Category 3 nuclear facilities and high-hazard non-nuclear facilities.	BOP 07.01 Criteria: (1) Senior Technical Safety Manager (STSM) qualified. Review: Mr. Beausoleil is qualified as a STSM and meets all requirements for this delegation.	BOP 07.01 Criteria: (1) Delegations shall only be made where the candidate's organization possesses or has access to (for example, via service centers) sufficient staff with the necessary qualifications, experience, and expertise to support the candidate for the authorities being delegated. (2) Delegations shall only be made where the candidate's organization has the proper framework of processes and procedures, as well as adequate resources and funding, to implement the delegated authorities. Review: Adequate site capacities "Did Not Meet Expectations" in the NNSA CDNS BR conducted in July, 2016, as identified in the BR Management Concerns MC-1 and MC-2. MC-1 found NPO to not have an effective issues management system. This was a repeat from the 2014 NPO CDNS BR. Weaknesses in other areas (Fire Protection and ISMS) were due to lack of or inadequate procedures.	Mr. Beausoleil currently serves as the NPO Field Office Manager and meets the requirements for this delegation of authority. CTA concurrence for approval of this delegation is not required.

		MC-2 characterized the NPO TQP Program as "Does Not Meet Expectations" and stated this will eventually degrade their ability to administer safety basis delegations. Safety basis authority is not included in this delegation. Notwithstanding the above, senior management has received and reviewed a satisfactory Corrective Action Plan from NPO to resolve these issues. The NPO overall organizational capacities and capabilities and framework of processes and procedures is currently sufficient to properly implement Startup and Restart authorities.	

Mr. Geoffrey Beausoleil meets the qualification and experience requirements for this delegation.

NPO capacities and TQP were identified as "Does Not Meet Expectations" in the NNSA CDNS BR conducted in July 2016. Safety Basis authority is not part of this delegation. Senior management has identified paths forward on these issues.

Conclusion: Although NPO has weaknesses in their delegation program, a corrective action plan is now in progress. Recommend approval of the requested delegation.

NA-50 Senior Manager Concurrences:

Carl Sykes — Date: 2/1/17
Director, Office of Chief, Defense Nuclear Safety (NA-511)

Jeffry Roberson — Date: 2/1/17
Senior Technical Advisor, Office of Safety