



Department of Energy
National Nuclear Security Administration
Washington, DC 20585



May 9, 2017

MEMORANDUM FOR GEOFFREY L. BEAUSOLEIL
MANAGER
NNSA PRODUCTION OFFICE

FROM: PATRICK T. CAHALANE 
COGNIZANT SECRETARIAL OFFICER FOR SAFETY

SUBJECT: Approval of Delegation of Nuclear Safety Authority

REFERENCES: (1) Memorandum from G. Beausoleil to P. Cahalane, "Request for Delegation of Nuclear Safety Authority," April 7, 2017
(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 Security Administration Production Office Biennial Review of Nuclear Safety Performance*, dated September 2, 2016," January 26, 2017

By memorandum (Reference 1) dated April 7, 2017, you requested nuclear safety delegations for Safety Design Basis Approval Authority for new Hazard Category 2 and 3 nuclear facilities or major modifications and Safety Basis Approval Authority for new or existing Hazard Category 2 and 3 nuclear facilities. I approve your request for Safety Design Basis and Safety Basis Approval Authority for the Pantex Plant and the Y-12 National Security Complex. This memorandum documents my approval of the requested delegation.

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

The NNSA Production Office's (NPO's) capabilities, capacities, and framework to support your request for exercising delegated nuclear safety authorities were recently evaluated during the Headquarters Biennial Review (BR) of the office's nuclear safety performance conducted from April through June 2016. The BR team reviewed NPO's exercise of delegated nuclear safety authority in the area of Safety Basis and other related functional areas. The BR team determined that persons within NPO with delegated safety authority are adequately supported by its staff.

However, the Technical Qualification Program 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 program was included in the BR team’s final report as a management concern.

On January 26, 2017, your office provided for information the strategy and corrective action plan (Reference 3) for addressing the management concern identified in the 2016 review. The Office of Chief of Defense Nuclear Safety reviewed the plan and determined that the actions would address the management concern.

Therefore, in accordance with the authorities granted to me as the NNSA Cognizant Secretarial Officer for Safety, I delegate the following safety design basis and safety basis approval authorities to you:

- (1) *Safety Design Basis Approval Authority for new Hazard Category 2 and 3 nuclear facilities or major modifications* (Safety Design Strategies, Conceptual Safety Design Reports, Preliminary Safety Design Reports, Preliminary Documented Safety Analyses, and their associated approval bases documents).
- (2) *Safety Basis Approval Authority for new or existing Hazard Category 2 and 3 nuclear facilities* (Documented Safety Analyses, Technical Safety Requirements, Unreviewed Safety Question procedures, Justifications for Continued Operation, Evaluations of the Safety of the Situation, and Safety Evaluation Reports).

Previously delegated authorities for Startup Authority for new Hazard Category 3 nuclear facilities and high-hazard non-nuclear facilities, and Restart Authority for Hazard Category 2 and 3 nuclear facilities (including nuclear explosive operations) and high-hazard non-nuclear facilities, remain in effect.

As specified in DOE-STD-1104-2014, *Review and Approval of Nuclear Facility Safety Basis and Safety Design Basis Documents*, the delegated authorities extended above exclude circumstances where no viable control strategy exists in an existing facility to prevent or mitigate the offsite dose consequence of one or more of the accident scenarios from exceeding the Evaluation Guideline. These delegations remain valid while you serve in your current position and maintain the required qualifications. These delegations may not be further re-delegated.

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

NA-51 Delegation Review

Geoffrey Beausoleil

Delegation Requested	Personal criteria and review results	Site criteria and review results	Comments
<p>1. Authorization Basis:</p> <p>(a) For new or major modifications to Hazard Category 2 and 3 nuclear facilities, approve the following and their associated approval bases documents:</p> <ul style="list-style-type: none"> (1) Safety Design Strategies (2) Conceptual Safety Design Reports (3) Preliminary Safety Design Reports (4) Preliminary Documented Safety Analyses <p>(b) For new or existing Hazard Category 2 and 3 nuclear facilities, approve initial submittals of and subsequent changes to:</p> <ul style="list-style-type: none"> (1) Documented Safety Analyses (2) Technical Safety Requirements (3) Evaluations of the Safety of the Situation (4) Justifications for Continued Operation (5) Unreviewed Safety Question procedures 	<p><u>BOP 07.01 Criteria for delegate:</u></p> <ul style="list-style-type: none"> (1) Senior Technical Safety Manager (STSM) qualified. (2) Successful attendance at Nuclear Execution Leadership Training (NELT) <p><u>Review:</u></p> <p>Mr. Beausoleil is qualified and current as a STSM and is due for requalification in March 2018.</p> <p>Mr. Beausoleil successfully completed NELT in 2009.</p> <p>Mr. Beausoleil meets all requirements for this delegation.</p>	<p><u>BOP 07.01 Criteria:</u> for organizational capability and capacity:</p> <ul style="list-style-type: none"> (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. <p><u>Review:</u></p> <p>Adequate site capacities "Did Not Meet Expectations" in the NNSA CDNS biennial review conducted in 2016, as identified in Management Concerns MC-1 and MC-2.</p> <p>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.</p>	<p>Mr. Beausoleil currently serves as the NPO Manager and meets the requirements for this delegation of authority.</p> <p>Central Technical Authority concurrence for approval of this delegation is not required.</p> <p>Startup and Restart authority was previously delegated.</p>

NA-51 Delegation Review
Geoffrey Beausoleil


		<p>MC-2 characterized the NPO TQP as "Does Not Meet Expectations" and stated this will eventually degrade their ability to administer safety basis delegations.</p> <p>Notwithstanding the above, senior management has received and reviewed a satisfactory corrective action plan from NPO to resolve these issues.</p> <p>The NPO overall organizational capacities, capabilities, and framework of processes and procedures are currently sufficient to properly implement Safety Basis and Safety Design Basis approval authorities.</p>	
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Mr. Geoffrey Beausoleil meets the qualification and experience requirements for this delegation.

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

NA-50 Senior Manager Concurrences:

 Date 5/2/17
Kim Loll
Office of the Chief of Defense Nuclear Safety

 Date 5/2/17
Lynn Maestas
Director, Office of Worker Safety & Health Services