

**NAVAL REACTORS DOE DIRECTIVE IMPLEMENTATION BULLETIN 456.1A-117,  
REVISION 12**

Consistent with the Naval Nuclear Propulsion Program overall concept of operations, the following provides specific implementation guidance for DOE Order 456.1A, THE SAFE HANDLING OF UNBOUND ENGINEERED NANOPARTICLES, for those activities under the Director's cognizance. DOE Order 456.1A is implemented subject to the modifications provided below:

1. Paragraph 5.a specifies the responsibilities of Program Secretarial Officers, which are fulfilled by Naval Reactors Headquarters.
2. Paragraph 5.b specifies the responsibilities of Heads of DOE Field Elements, which are fulfilled by the Assistant Manager for Operations - Pittsburgh, Assistant Manager for Operations - Schenectady, Manager, Idaho Branch Office and Chief, West Milton Field Office.
3. Program Sites meet the requirements contained in DOE Order 456.1A by complying with the Naval Reactors Safety Requirements Manual, S9213-55-MAN-000/(U).
4. Requests for waivers and exceptions to specific requirements of this IB will be submitted to NR Headquarters for review and approval.
5. Oversight and evaluation of matters under the Director's cognizance pertaining to unbound engineered nanoparticles will be conducted by the Assistant Manager for Operations - Pittsburgh, Assistant Manager for Operations - Schenectady, Manager, Idaho Branch Office and Chief, West Milton Field Office with additional oversight provided by Naval Reactors Headquarters.

Enclosure (1) to  
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