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# PUBLIC SUBMISSION

**Docket:** NRC-2022-0157  
Perimeter Intrusion Alarm Systems

**Comment On:** NRC-2022-0157-0001  
Draft Regulatory Guide: Perimeter Intrusion Alarm Systems

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## General Comment

NEI Comments on Draft Regulatory Guide, DG-5065, "Perimeter Intrusion Alarm Systems" [Docket ID NRC-2022-0157]

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## Attachments

05-22-23\_NRC\_NEI Comments on DG-5065 Perimeter Intrusion Alarm Systems

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ATTN: Program Management, Announcements and Editing Staff

*Submitted via Regulations.gov*

**Subject:** NEI Comments on Draft Regulatory Guide, DG-5065, "Perimeter Intrusion Alarm Systems" [Docket ID NRC-2022-0157]

**Project Number: 689**

Dear Program Management, Announcements and Editing Staff,

On behalf of our members, the Nuclear Energy Institute (NEI)<sup>1</sup> appreciates the opportunity to provide our comments on Draft Regulatory Guide DG-5065, the proposed revision to Regulatory Guide 5.44, "Perimeter Intrusion Alarm Systems." The guidance found in this Draft Guide (DG) is intended to provide an approach that is acceptable to the NRC to meet regulatory requirements for perimeter intrusion alarm systems. Specifically, this revision describes acceptable approaches for intrusion detection system operability and performance tests.

The following comments are provided for your consideration.

1. The DG guidance on early warning systems (EWS) is not sufficient. Section 8.13.5 states: "If it has been calculated that an early warning system (EWS) is necessary in order to meet the performance objective of 10 CFR 73.55(b), then that system should meet the established intrusion detection alarm system criterion." However, the DG does not clearly indicate what portions of 10 CFR 73.55 must be satisfied in order to credit the EWS. As many licensees have implemented EWS, NEI

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<sup>1</sup> The Nuclear Energy Institute (NEI) is the organization responsible for establishing unified industry policy on matters affecting the nuclear energy industry, including the regulatory aspects of generic operational and technical issues. NEI's members include entities licensed to operate commercial nuclear power plants in the United States, nuclear plant designers, major architect/engineering firms, fuel cycle facilities, nuclear materials licensees, and other organizations and entities involved in the nuclear energy industry.

recommends that the NRC engage with industry stakeholders to help inform NRC's refinement of this guidance before it is finalized.

2. The DG uses terms and phrases, such as "to meet the NRC staff's expectation for this requirement," that imply the guidance is required to comply with the regulations. NEI recommends the language be modified so that it is clear the guidance provides one acceptable method to meet the regulations and other methods could be found acceptable.
3. There are examples that are inconsistent with facility threat characteristics. Section 8 of the DG provides an example associated with an adversary characteristic that is not applicable to the power reactor radiological sabotage design basis threat. NEI recommends that the NRC review the guidance and ensure examples are consistent with the adversary characteristics for the applicable facilities.
4. Finally, the DG includes an extensive bibliography and list of references but provides no clarity on the NRC expectations concerning applicability to the different categories of covered licensees. The "Documents Discussed in Staff Regulatory Guidance" section found on page 15 does not adequately address the aforementioned concern. The NRC should consider clarifying the applicability of the various references to each facility type for which the guidance is appropriate. NRC should further clarify which portions of those documents provide guidance acceptable to the NRC, and perhaps more importantly, those portions that are unacceptable. The references found in the DG are an extensive addition (the previous version has no references) and depending on how the NRC chooses to address this comment, it may be appropriate for the NRC to re-notice the DG for public comment.

If you have questions or require additional information, please contact me or AJ Clore (202.739.8025 or [ajc@nei.org](mailto:ajc@nei.org)).

Sincerely,



William Gross

c: Mr. Gregory Bowman, NSIR/DPCP, NRC  
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