



May 25, 2000

United States Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D.C. 20555-0001

Quad Cities Nuclear Power Station, Units 1 and 2  
Facility Operating License Nos. DPR-29 and DPR-30  
NRC Docket Nos. 50-254 and 50-265

Subject: Quad Cities Nuclear Power Station Security Plan and Security Personnel Training and Qualification Plan, Revision 46

In accordance with 10 CFR 50.4(b)(4), "Security plan and related submittals," attached are the original and three (3) copies of the Commonwealth Edison (ComEd) Company Quad Cities Nuclear Power Station Security Plan and Security Personnel Training and Qualification Plan, Revision 46.

Revision 46 includes the following changes:

During the implementation of a new defensive strategy, it was determined that a different type of weapon would provide the most effective defensive strategy. The Security Plan was changed to reflect the replacement of the weapon designated for contingency use. In addition, the change included a revision to the weapons qualification course to correspond with the new contingency weapon. Through the use of tabletop exercises and field drills, the revised defensive strategy, utilizing the new weapon, was proven to defend the plant against the design basis threat as described in 10 CFR 73, "Physical Protection of Plants and Materials." The amount of ammunition with respect to the new weapon was revised to reflect the nominal specifications set forth in 10 CFR 73, Appendix B, Section II, "Training and Qualifications."

**Attachment(s) Contain Safeguards Information**  
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A new requirement has been added to the Security Plan, Section 9, "Entrance Searching," which allows searched material/equipment to be transferred from one site to another site without requiring an additional search at the receiving site provided that the integrity of the original search is maintained. This new process meets the requirements of 10 CFR 73.55(d), "Access Requirements," and has been made in accordance with NUREG-0908, "Acceptance Criteria for the Evaluation of Nuclear Power Reactor Security Plan." This change does not exempt the vehicle transporting the material/equipment from search requirements.

Quad Cities Nuclear Power Station has extended its independent audit frequency from twelve to twenty-four months based on the use and review of performance indicators. Changes which could adversely affect the security program will be reviewed in an independent audit as soon as reasonably practicable but no longer than twelve months after the change occurs. This is in response to a rule change to 10 CFR 73.55(g)(4), "Testing and maintenance," that was effective on April 28, 1999.

The requirement to maintain certain special equipment (e.g. megaphone, riot helmet) has been revised. The equipment being removed from the Security Plan is primarily designed for events other than radiological sabotage (e.g. civil disturbance, demonstration); because the equipment is not used as part of Security's defensive strategy, security effectiveness is not decreased.

The badge control section of the Security Plan was amended to accommodate the possible use of an off-site badge fabrication/in-processing facility.

Other changes have been made that are considered "editorial" in nature. These changes do not decrease the overall level of security system performance.

As required by 10 CFR 50.54(p)(2), we have concluded that these changes do not decrease the safeguards effectiveness of the Quad Cities Nuclear Power Station Security Plan.

These changes to the Quad Cities Nuclear Power Station were implemented on March 30, 2000. In accordance with 10 CFR 50.54 (p)(2), these changes shall be reported within 60 days of implementation: May 29, 2000.

Attachments contain Safeguards Information that must be protected from public disclosure as required by 10 CFR 73.21, "Requirements for the protection of safeguards information."

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Should you have any questions concerning this letter, please contact Mr. Joseph Sipek at (630) 663-3741.

Respectfully,



R. M. Krich  
Vice President – Regulatory Services

Attachment: Attachment 1, Change Matrix for the Quad Cities Nuclear Power Station Security Plan and Security Personnel Training and Qualification Plan, Revision 46.

Attachment 2, *Safeguards Information*, Quad Cities Nuclear Power Station Security Plan and Security Personnel Training and Qualification Plan, Revision 46.

cc: Regional Administrator – NRC Region III (2 copies)

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## ATTACHMENT 1

### Quad Cities Nuclear Power Station Security Plan, Revision 46

#### Change Matrix

CHANGE NO.	DESCRIPTION OF CHANGE	SECURITY PLAN SECTION(S)	REASON FOR CHANGE
1.	<u>Editorial change</u> : clarification of security patrols as they relate to the current shift design; no reduction in the number of patrols.	3.5.1	Implementation of 12-hour shifts.
2.	Badge controls section amended to accommodate the use of an off-site badge fabrication/in-processing facility.	7.1.1.2	To remain consistent with other ComEd Station Plan revisions.
3.	Added new section allowing the transfer of searched material / equipment between Protected Areas.	9.6	This change provides needed flexibility during outages.
4.	Extended the frequency of independent audits.	15.1	10 CFR 73.55(g)(4) dated <u>April 1999</u> , allows for a 24 month audit interval.
5.	<u>Editorial change</u> : deleted the addendum that preceded Appendix B.	<b>Appendix B</b> Addendum	This addendum is no longer applicable due to changes in ComEd's expectations from the contractor vendor.
6.	<u>Editorial change</u> : added reference to Chapter 4 of Security Plan for employee suitability.	<b>Appendix B</b> 1.1	This reference was necessary due to the deletion of the addendum.
7.	<u>Editorial change</u> : eliminated ComEd's screening expectation for the contractor vendor regarding new employees.	<b>Appendix B</b> 1.1.4	Screening is conducted in accordance with 10 CFR 73.56.
8.	Different weapon was designated for contingency use, the weapons qualification course was revised, and minimum ammunition availability was increased.	<b>Appendix B</b> 4.2 5.1 5.2.1 5.3 Table B-1 Table B-2	Implementation of a revised defensive strategy.

CHANGE NO.	DESCRIPTION OF CHANGE	SECURITY PLAN SECTION(S)	REASON FOR CHANGE
9.	Eliminated the requirement to maintain certain special equipment.	<b>Appendix B</b> 5.3 9.4 Table B1 / B2 9.5 Table B1 / B2 9.7 Table B1 / B2 9.9 Table B1 / B2	This equipment is not designed or intended to be used as part of the defensive strategy.
10.	<u>Editorial change</u> : changed the Company's name: "CECo" was changed to "ComEd"	5.1	Administrative change only.