

Exelon Generation Company, LLC
1400 Opus Place
Downers Grove, IL 60515-5701

www.exeloncorp.com

RS-01-089

May 3, 2001

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

Dresden Nuclear Power Station, Units 2 and 3
Facility Operating License Nos. DPR-19 and DPR-25
NRC Docket Nos. 50-237 and 50-249

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: Additional Environmental Information Supporting the License Amendment Request to Permit Up-rated Power Operation at Dresden Nuclear Power Station and Quad Cities Nuclear Power Station

References: (1) Letter from R.M. Krich (Commonwealth Edison Company) to U.S. NRC, "Request for License Amendment for Power Uprate Operation," dated December 27, 2000

(2) Letter from U.S. NRC to O.D. Kingsley (Exelon Generation Company), "Dresden and Quad Cities - Extended Power Uprate - Environmental Request for Additional Information," dated April 18, 2001

In Reference 1, Commonwealth Edison (ComEd) Company, now Exelon Generation Company (EGC), LLC, submitted a request for changes to the operating licenses and Technical Specifications (TS) for Dresden Nuclear Power Station (DNPS), Units 2 and 3, and Quad Cities Nuclear Power Station (QCNPS), Units 1 and 2, to allow operation at up-rated power levels. In Reference 2, the NRC requested additional information regarding these requested changes. This information was requested to be provided by May 18, 2001. Attachments A and B provide the requested information for DNPS and QCNPS, respectively.

A001

May 3, 2001
U.S. Nuclear Regulatory Commission
Page 2

Should you have any questions related to this information, please contact Mr. Allan R. Haeger at (630) 663-6645.

Respectfully,



R. M. Krich
Director – Licensing
Mid-West Regional Operating Group

Attachments:

Affidavit

- Attachment A: Additional Environmental Information Supporting the License Amendment Request to Permit Up-rated Power Operation at Dresden Nuclear Power Station
- Attachment B: Additional Environmental Information Supporting the License Amendment Request to Permit Up-rated Power Operation at Quad Cities Nuclear Power Stations

cc: Regional Administrator – NRC Region III
NRC Senior Resident Inspector – Dresden Nuclear Power Station
NRC Senior Resident Inspector – Quad Cities Nuclear Power Station
Office of Nuclear Facility Safety – Illinois Department of Nuclear Safety

STATE OF ILLINOIS)
COUNTY OF DUPAGE)
IN THE MATTER OF)
EXELON GENERATION COMPANY, LLC) Docket Numbers
DRESDEN NUCLEAR POWER STATION UNITS 2 AND 3) 50-237 AND 50-249
QUAD CITIES NUCLEAR POWER STATION UNITS 1 AND 2) 50-254 AND 50-265

**SUBJECT: Additional Environmental Information Supporting the License
Amendment Request to Permit Uprated Power Operation at Dresden
Nuclear Power Station and Quad Cities Nuclear Power Station**

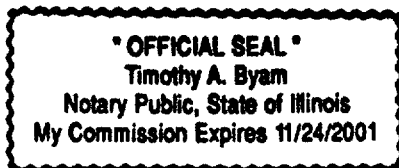
AFFIDAVIT

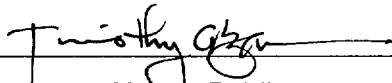
I affirm that the content of this transmittal is true and correct to the best of my
knowledge, information and belief.



R. M. Krich
Director – Licensing
Mid-West Regional Operating Group

Subscribed and sworn to before me, a Notary Public in and
for the State above named, this 3rd day of
May, 2001.





Notary Public

ATTACHMENT A
**Additional Environmental Information Supporting the License Amendment
Request to Permit Upgraded Power Operation at Dresden Nuclear Power Station**

Questions and Responses for Dresden Nuclear Power Station (DNPS)

Question

What was the increase in aquatic species richness due to in the 1970's and 1980's (reference page 14 of the Supplement to Environmental Report)?

Response

An increase in species richness was documented during the 1970's and 1980's. The improvement in this indicator is largely attributed to improving water quality in the upper portions of the watershed. Adoption of the Clean Water Act and promulgation of implementing regulations led to significant improvements in Illinois River water quality. Most notably, the removal of sewage discharge from the City of Chicago improved the dissolved oxygen concentrations, allowing fish to re-populate portions of the river system.

Question

Please address threatened or endangered aquatic plant species; the application only discussed fish species (reference page 14 of the Supplement to Environmental Report).

Response

No threatened or endangered aquatic plant species were identified in a comprehensive assessment of the upper Illinois waterways performed in 1995 by a private environmental science and engineering firm. No threatened or endangered aquatic plant species are identified in the Illinois River system in the vicinity of DNPS in the year 2001 list of threatened and endangered species maintained by the Illinois Department of Natural Resources (DNR).

Question

Based on your experience constructing the existing cooling tower cells, will there be any impacts from construction of the proposed additional cooling tower cells (i.e., noise, blasting, increase in truck traffic)? Where would the proposed additional cooling towers cells be constructed in relation to the nearest residence?

Response

There will be a marginal, transient increase in construction noise during the installation of the new cooling tower cells. The impact of this construction will be minimal, since construction traffic is not routed through the residential area and no blasting will occur. In the year 2000, thirty six cooling tower cells were constructed in the same general area in which the six new cells will be located. During this prior construction, no truck traffic moved through the residential streets and no blasting was performed. Commonwealth Edison Company, now Exelon Generation Company (EGC), LLC, did not receive any comments on noise from the residents near the DNPS during this construction period. Because EGC will be constructing one-sixth the number of existing cooling tower cells for the extended power uprate project, comments on noise levels, traffic, or other impacts during construction are not anticipated. The distance between the proposed location of the six new cells and the closest residence is at least 1000 ft.

ATTACHMENT B
**Additional Environmental Information Supporting the License Amendment
Request to Permit Upgraded Power Operation at Quad Cities Nuclear Power Station**

Question and Response for Quad Cities Nuclear Power Station

Question

Describe your interactions with the State about the change in the monitoring curve. When do you anticipate approval by the State? (Reference page 11 of the Supplement to Environmental Report)

Response

Discussions with the Illinois Environmental Protection Agency (IEPA) concerning the monitoring curve change began with a July 28, 2000, stakeholder meeting. A second meeting was held with the IEPA on December 15, 2000. Subsequently, a request to revise the National Pollutant Discharge Elimination System (NPDES) permit was submitted to the IEPA on March 14, 2001. Communications with the Iowa Department of Natural Resources (DNR) began with the July 28, 2000, stakeholder meeting and continued with a March 29, 2001, Steering Committee meeting. The IEPA will consult with and obtain Iowa DNR concurrence before issuing a permit revision, in accordance with 40 CFR 124.10, "Public notice of permit actions and public comment period." The IEPA is expected to issue a draft NPDES permit revision in October 2001, followed by a thirty day public comment period. This will support the expected implementation of power uprate at Quad Cities Nuclear Power Station in February 2002.