

April 8, 2004

APPLICANT: Exelon Generation Company, LLC (EGC or Exelon)

FACILITY: EGC Early Site Permit (ESP) Site (Clinton, Illinois)

SUBJECT: SUMMARY OF SITE VISITS TO ALTERNATIVE SITES TO THE EGC ESP SITE  
IN CLINTON, ILLINOIS

From March 1 through March 11, 2004, representatives of the U.S. Nuclear Regulatory Commission (NRC) staff and contractors from Pacific Northwest National Laboratory (PNNL) conducted site visits to those sites identified by the Exelon Generation Company, LLC (EGC or Exelon) as potential alternative sites to the EGC Early Site Permit (ESP) site located in Clinton, Illinois. The goal of the site visits was to obtain a general idea of the layout of the site; what water resources, wetlands, and important habitats exist at the sites; what cultural resources exist at the sites; what socioeconomic conditions exist in the vicinity of the sites; and what impediments exist for adding an additional facility on the sites.

The NRC opened each meeting with a brief explanation that the goal of the alternative site review is to determine whether any of the proposed alternative sites are obviously superior to the EGC ESP site at Clinton, Illinois in terms of environmental impacts and economic costs. To make this determination, the staff performs a high-level assessment of what the environmental consequences of constructing and operating a new nuclear facility at the alternative sites could be using reconnaissance-level information. The purpose of the site visit was to obtain an understanding of the general layout of the site to better understand the reconnaissance-level information the staff was using during its review.

At each site, Exelon provided a brief overview of the layout of the plant and answered staff questions concerning the site and environs, which was then followed by a guided automobile tour of the site, focusing on areas relevant to the environmental review. Enclosure 1 is the list of NRC, PNNL, and Exelon representatives that participated in the site visits.

In addition, during the visit to the Zion site, Exelon made a presentation to clarify the process used by the applicant to assess the six alternative sites against the EGC ESP site. As a result of the discussion, Exelon developed the enclosed white paper (Enclosure 2) to clarify this process. Attachment 1 to the enclosure illustrates the alternative site comparison process.

**/RA/**

Thomas J. Kenyon, Senior Project Manager  
License Renewal and Environmental Impacts  
Division of Regulatory Improvement Programs  
Office of Nuclear Reactor Regulation

Docket No. 52-007

Enclosures: As stated

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Distribution: Dmatthews/FGillespie Eva Hickey, PNNL RLEP R/F JTappert  
TKenyon PTKuo

Accession nos: 1) Summary of Site Visit w/Encl. 1 (Attendees Lists): **ML041000222**  
2) Encl. 2: EGC Early Site Permit Application and/Att. 1: Alternatives Site Comparison Process: **ML040820570**, 3) PKG: Summary of Site Visit: **ML041000244**

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OFFICE	LA:RLEP:DRIP	PM:RLEP:DRIP	OGC (NLO) (w/editing comments)	SC:RLEP:DRIP
NAME	MJenkins	TKenyon	TSmith	JTappert (BZalcman for)
DATE	04/1/04	04/1/04	4/2/04	04/8/04

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**ATTENDEES**  
**ENVIRONMENTAL ALTERNATIVE SITE VISITS**  
**CONDUCTED IN SUPPORT OF THE EGC ESP REVIEW**  
**MARCH 1 - 11, 2004**

**Monday, March 1, 2004, Zion Site**

<u>Name</u>	<u>Organization</u>
Thomas Kenyon	U.S. Nuclear Regulatory Commission (NRC)
Eva Hickey	Pacific Northwest National Laboratory (PNNL)
Van Ramsdell	PNNL
Lance Vail	PNNL
John Jaksch	PNNL
Jim Becker	PNNL
Bill Maher	Exelon
Tom Mundy	Exelon
Ron Schuster	Exelon
Tamar Cerafici	CH2MHILL

**Thursday, March 4, 2004, Quad Cities Site**

<u>Name</u>	<u>Organization</u>
Thomas Kenyon	NRC
Eva Hickey	PNNL
Van Ramsdell	PNNL
Lance Vail	PNNL
John Jaksch	PNNL
Jim Becker	PNNL
Bill Maher	Exelon
Mark Stuhlman	Exelon
Larry LaJeone	Exelon
Tamar Cerafici	CH2MHILL

**Tuesday, March 9, 2004, Dresden Site**

<u>Name</u>	<u>Organization</u>
Thomas Kenyon	NRC
Eva Hickey	PNNL
Lance Vail	PNNL
John Jaksch	PNNL
Bill Maher	Exelon
Ed Rowley	Exelon
Tamar Cerafici	CH2MHILL

**ATTENDEES (CONT.)  
ENVIRONMENTAL ALTERNATIVE SITE VISITS  
CONDUCTED IN SUPPORT OF THE EGC ESP REVIEW  
MARCH 1 - 11, 2004**

**Tuesday, March 9, 2004, Braidwood Site**

<u>Name</u>	<u>Organization</u>
Thomas Kenyon	U.S. Nuclear Regulatory Commission (NRC)
Eva Hickey	Pacific Northwest National Laboratory (PNNL)
Lance Vail	PNNL
John Jaksch	PNNL
Bill Maher	Exelon
Joe Tidmore	Exelon
Tim Meents	Exelon
Tamar Cerafici	CH2MHILL

**Wednesday, March 10, 2004, Byron Site**

<u>Name</u>	<u>Organization</u>
Thomas Kenyon	NRC
Eva Hickey	PNNL
Van Ramsdell	PNNL
Lance Vail	PNNL
John Jaksch	PNNL
Bill Maher	Exelon
Dennis Drawbaugh	Exelon
David Starke	Exelon
Ed Steinke	Exelon
Tamar Cerafici	CH2MHILL

**Thursday, March 11, 2004, LaSalle Site**

<u>Name</u>	<u>Organization</u>
Thomas Kenyon	NRC
Eva Hickey	PNNL
Van Ramsdell	PNNL
Lance Vail	PNNL
John Jaksch	PNNL
Bill Maher	Exelon
Stevie DuPont	Exelon
Ron Chrzanowski	Exelon
Bill Buinickas	Exelon
Michael Martin	Exelon
Tamar Cerafici	CH2MHILL