



LaSalle County Station Unit 2

Spent Fuel Storage Racks

October 21, 2010

Purpose

- ✓ Identify remaining open items for issuance of rack inserts license amendment
- ✓ Describe current spent fuel pool status
- ✓ Discuss current and "best-available" schedule for rack inserts installation
- ✓ Discuss any concerns regarding Boraflex monitoring program plans during rack inserts installation transition period in Unit 2 spent fuel pool

Agenda

- ✓ Opening Remarks Ken Nicely
- ✓ Discussion of Remaining Open Items. NRC/Exelon
- ✓ Spent Fuel Pool Management Strategy Adam Levin
- ✓ Interim Boraflex Management Strategy. NRC/Exelon

Discussion of Remaining Open Items

NRC/Exelon

Exelon[®]

Nuclear

Spent Fuel Pool Management Strategy

Adam Levin

Director, Spent Fuel & Decommissioning

Current Unit 2 Fuel Pool Status

- ✓ Total number of locations – 4078
- ✓ Total number of usable locations – 4004
- ✓ Plans to adopt RACKLIFE 2.1.1
 - Limiting assembly design – ATRIUM-10
 - Limiting Boraflex degradation with all uncertainties – 44.5%
 - Per RACKLIFE calculations – 1099 unusable locations
- ✓ Number of empty, usable cells between now and 12/31/2010 – 196
- ✓ After 1/1/2011, number of empty, usable cells ~96
- ✓ Dry cask storage program campaign substantially delayed; potential start date now pushed to no earlier than October 22, 2010

Current Unit 2 Fuel Pool Status

- ✓ Due to plant activity scheduling, unlikely that more than three (3) dry storage casks can be loaded – creates additional 204 usable locations
- ✓ Entering Spring 2011 outage, LaSalle will have 300 empty locations
- ✓ 312 assemblies permanently discharged – insufficient number of locations to perform Spring 2011 refueling outage
- ✓ Evaluating compensatory measures in order to execute refueling outage
- ✓ Additional ~200 locations expected to be declared unusable on 7/1/2011

Current Plans for Rack Inserts

- ✓ Based upon RACKLIFE 2.1.1 model, approximately 200 locations will be declared unusable every 6 months
- ✓ Schedule for installing rack inserts between 2010 and 2016 is sufficient to stay ahead of unusable declarations
 - 400 inserts per year beginning in 2011 (after initial installation of 1875 inserts in 2010-2011)
- ✓ Three racks full of inserts required to perform Spring 2011 refueling outage without compensatory measures

Accelerated Plans for Rack Inserts

- ✓ Remaining 775 of 1875 total in manufacturing expected to be delivered by February 2011
- ✓ New ingot of raw material can be scheduled with Alcan for January 2011 – raw material necessary for 4000+ cells in Unit 2 pool
- ✓ NETCO can begin manufacturing additional inserts in February 2011 at a rate of ~200/month
- ✓ NETCO completes manufacturing of inserts Spring 2012
- ✓ Critical path for complete deployment is availability of installation windows (competing with outages and dry cask storage activities)
- ✓ Current best estimate has complete deployment in Fall 2013

Interim Boraflex Management Strategy

NRC/Exelon