

Gray, Mel

From: Nancy McNamara
Sent: Tuesday, May 12, 2009 5:45 PM
To: David Lew; James Clifford; Marc Dapas; Sam Collins; Darrell Roberts; Kimberly Gruss; Peter Wilson; Paul Cataldo; George Malone; Brice Bickett; Sammy McCarver
Cc: Mel Gray; Doug Tiff; Undine Shoop; Eugene Dacus; Stephen Campbell; Christopher Hott; Tony Koonce; Diane Screnci; Neil Sheehan
Subject: Meeting Summary Re: Entergy ISE Stakeholder Meeting
Attachments: Final May 11.pdf

Good afternoon, everyone: On Monday, May 11, 2009, the NRC (Gray, McNamara, Cataldo, Malone) attended Entergy's offsite Stakeholders Meeting regarding the licensee's response overview and update of the Independent Safety Evaluation (ISE). Participants included: Congressional Representatives from the offices of Hall, Lowey, Gillibrand and Engel, emergency response management from Westchester and Rockland Counties; FEMA RII staff, New York State Assemblywoman Galef, State SLO and Engineer, EPA RII and representatives from the Town of Buchanan. Opening remarks were provided by Joe Pollock and overall it appeared the participants appreciated the outreach and the meeting summaries were well received.

The following is a brief summary of the topics that were discussed by the Entergy staff:

Emergency Preparedness:

Upgrade communications "Hotline" to the Counties - A project team has been assigned and is continuing to evaluate new technology. Licensee is working with the Counties for their input.

Upgrade of Dose Assessment Model - Project team assembled with input from the Counties. Project completion and model in service early 2010.

Improvements to Current EOF - Ongoing project for making improvements to the current EOF such as, HVAC, computer and display systems, communications and dedicated Incident Command Post for hostile action events.

New EOF - Architect/Engineer has been selected for the conceptual design and site selection. There will be State and County input and benchmarking. Real estate evaluations underway. Expect to complete bids by mid-year with complete purchase by end of 2009.

Sirens - Independent self assessment was completed. Several breakdowns in the managing of the project including lack of senior management oversight. Old system will be disconnected by 9/09.

Staffing - Entergy has committed to provide each county with an offsite lead planner. Expect to have all four positions selected by 6/09.

Security Infrastructure:

Consolidate and upgrade alarm and monitoring station - Will be done in conjunction with the implementation of the NRC 73.55 rule changes. Expected completion in 2011.

Enhancement of Protected Area Barriers - New technologies to enhance already good system. Project is currently ongoing.

NRC Design Basis Threat Rule - Integrate NRC changes into security plan.

New Vehicle Inspection Station - Enhance vehicle inspection area, communications and equipment. Work will begin this summer and expected completion date is late Fall, 09.

Security Infrastructure - Construction of a new security force briefing and deployment area. Construction to begin in 7/09.

Material Condition:

Substantial investment to improve physical appearance (e.g., paint fence, Unit 1 smokestack, containment vents, etc.). Work is to begin 7/09.

Underground Piping Inspections - Licensee has an underground piping inspection plan. During inspection in 10/08 found no anomalies. However, due to the February 2009 CST pipe leak, developed a new plan to change schedule and inspect 6 additional locations (U2,U3) this summer. Focused on inspecting pipe that could be experiencing similar conditions. Following that review, will go back to original plan unless the

inspections this summer identify additional issues. Believe the CST return pipe corrosion from February 2009 was due to local non-adherence of outer pipe coating in combination with wet soil environment, with corrosion initiating outside into the pipe. Licensee considering adding cathodic protection and utilizing other monitoring technologies (possibly internal robotic inspection as is done with large bore SW pipe mentioned, but preliminary) Licensee was asked how much pipe is underground. Stated about 5000 feet per unit. But then caveated to state that much of this is SW pipe which is large bore and inspected via robot or by person from inside. About 1000 feet is small bore pipe. But some of that is stainless steel pipe (RWST) The focus here is underground carbon steel (CST pipe). Licensee committed to get back to stakeholders to firm up estimates.

(Note this information should be reflected in extent of condition discussion in root cause report being finalized by Entergy. Residents with DRS will perform inspection follow-up of this report in June 2009 and document inspection results)

Emergency Planning Grant Program:

Within the next two weeks, the licensee will be issuing a press release and information on a bi-annual Grant Program of 5K to 25K being offered to County first responders. First applications will be accepted on June 1, 2009 and Counties will review applications. A Site Committee will review County recommendations and make their selections for the issuance of the first Grant in July/August, 2009 timeframe. Next offer for grant applications will be made in October, 2009.

Company Spinoff:

Proposal to combine all six New York Power Plants under Enexus. All approvals have been granted with the exception of NY Public Service Commission and VT Public Service Board.

License Renewal:

Provided update on where the licensee is in the NRC License Renewal Process. Expected decision by the NRC during the early 2011.

Groundwater:

Leakage from spent fuel pool stopped. Committed to a long term monitoring program which is a key aspect of enhanced capability to detecting potential leaks.

Next Steps:

Licensee is continuing to integrate ISE improvement work and implement the phases of the various projects. Continued engagement of internal and external stakeholders.

Questions and Answers:

Questions were related to the proposed process for moving the Unit 3 fuel, NRC 73.55 rulemaking, CST leak, applicability of security changes to the switchyard across the street, appeal allowed following Commission's decision to renew a license and status of groundwater sampling program.

NRC Takeaway:

Assemblywomen Sandy Galef asked for a synopsis of the NRC 73.55 rulemaking changes. Will offer to conduct a phone summary if she is interested in additional details that weren't provided by the licensee.

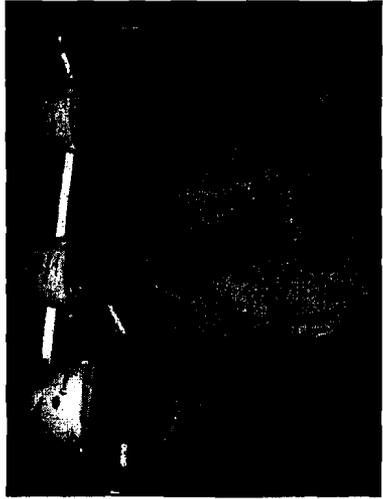
I've attached the presentation slides for your information. Please contact either Mel or myself, if you have any questions.

Best Regards,
Nancy



Stakeholder Meeting

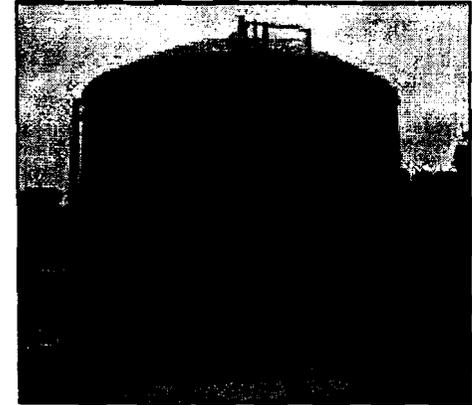
Indian Point Energy Center
May 11, 2009



Material Condition

Condensate Storage Tank pipe leak

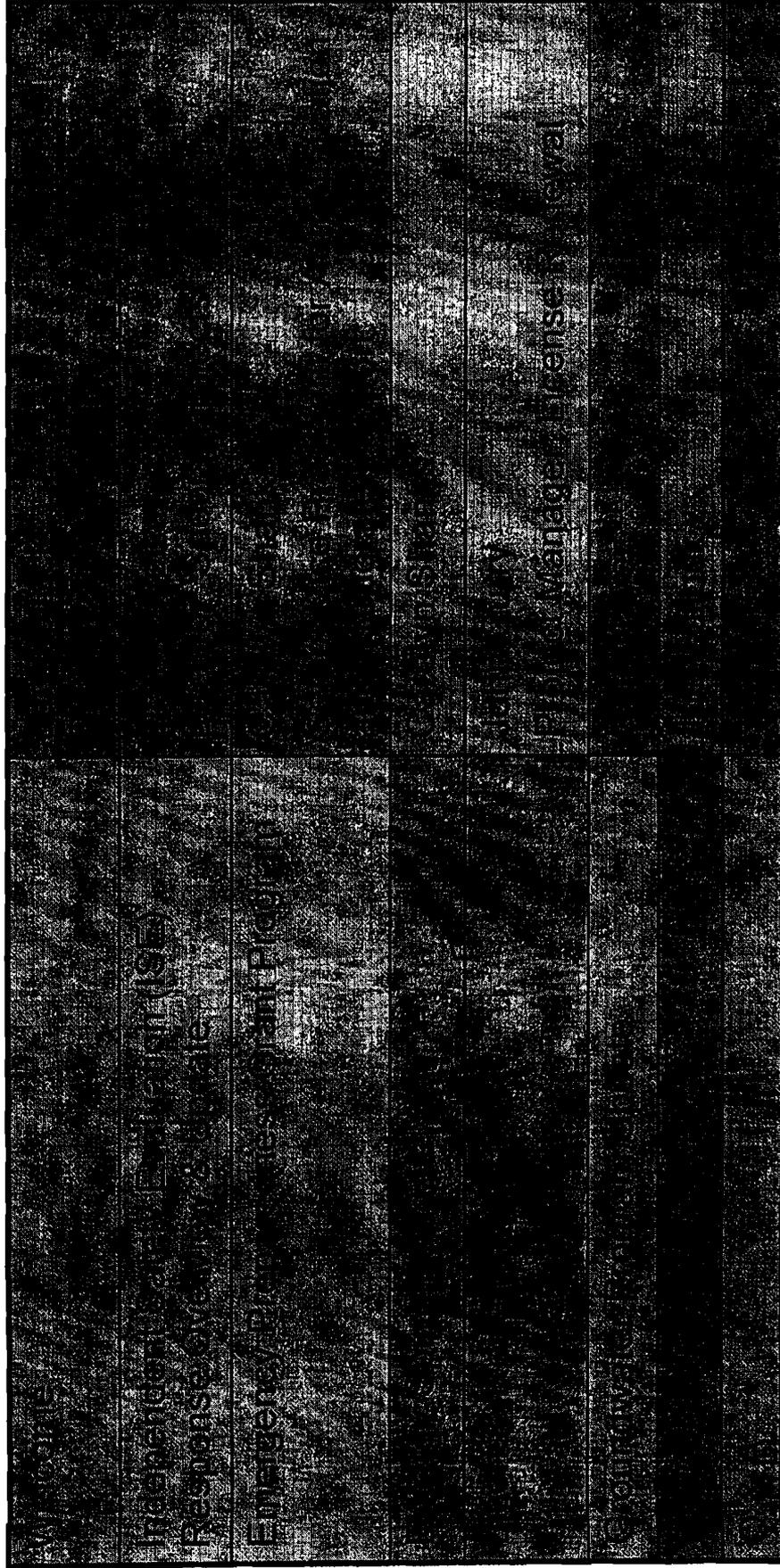
- Sections of the pipe were inspected in November - no issues identified
- Leak identified and repaired in February (no environmental impact)
- Analysis of pipe section demonstrates pipe structurally sound



Buried Piping - Inspection Program Key Elements:

- Six additional locations will be inspected over the coming weeks and summer
- Results will dictate further inspection as needed (e.g. excavation)
- “Lower elevation” focus based on our experience with CST and soil conditions
- Inspection program in place with future refinements using new technology, additional excavations and industry experience
 - Engineering evaluation in progress for cathodic protection of various underground lines
 - Internal robotic inspection program of service water piping is done annually
- Nuclear safety is assured - backup supplies/systems and pipe design margins are substantial

Agenda



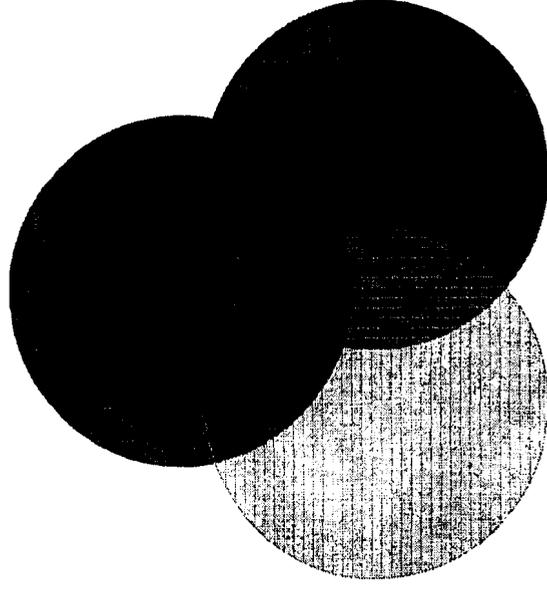
ISE Response Overview & Update

Don Mayer
Director, Special Projects



Key Project Areas

Emergency Preparedness



Security
Infrastructure

Material
Condition

Emergency Preparedness

Equipment Reliability/Support

- Several issues resolved last year prior to FEMA exercise; processes in place for periodic testing and monitoring
- Project scoping and design work in progress for enhanced emergency hotline system
- Radiological monitoring project team in place, enhanced software targeted to be deployed by 4th quarter 2009 for training and in service early 2010.



Staffing

- Four county emergency planner leads

Emergency Preparedness

New Emergency Operations Facility (EOF)

- ♦ Architect/Engineer selected for phase 1 scoping and site selection.
- ♦ Design requirements, stakeholder needs analysis (internal & external) and benchmarking in progress
- ♦ Real Estate evaluations underway

Current Emergency Operations Facility

- ♦ Upgrades to the EOF and State police Incident Command Post (ICP) facilities completed in Dec. 2008
 - ♦ Additional upgrades to the ICP communications, HVAC, computer and display systems in progress - expected completion 3rd quarter 2009 (working with NYS Police)
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Alert Notification System

A post-implementation critique of the Siren Project was conducted to capture lessons learned

Four key items were identified as areas for improvement:

- 1) Senior management oversight and leadership was inadequate to identify the weaknesses in the project development
- 2) Contract management and oversight of contractor activities was not adequate
- 3) The project team, functioning outside the structure of the project management procedures and processes failed to fully understand the design and regulatory requirements
- 4) The project team, failed to effectively identify, anticipate and respond to issues before they became self revealing

New siren system:

On schedule for September '09 to remove old sirens from service permanently

Security Infrastructure

Consolidate Alarm Stations

- Upgrades to incorporate new alarm/ monitoring stations with ability to process and control the latest generation of security monitoring equipment
- Design activities currently in progress



Protected Area Barriers

- Enhancements to the current intrusion detection systems to address the ever evolving security threats



NRC Design Basis Threat Ruling

- Recently issued; security enhancements will incorporate new ruling requirements

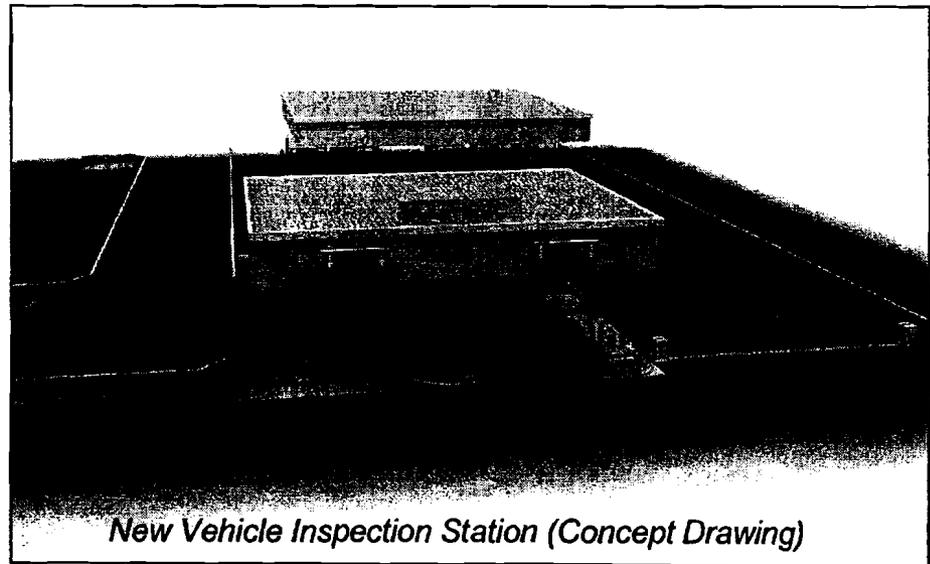
Security Infrastructure

New Vehicle Inspection Station

- Improvements in line with top industry standards
- Professional appearance at main entry point to station
- Enhanced vehicle inspection area, duress communications and inspection equipment
- Construction targeted to begin July 2009



Existing Vehicle Inspection Station

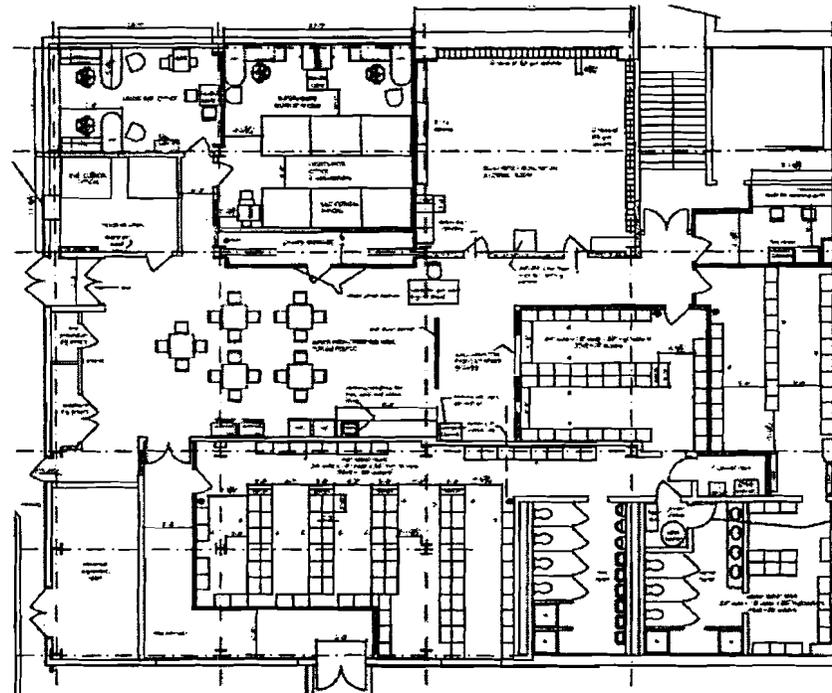


New Vehicle Inspection Station (Concept Drawing)

Security Infrastructure

Security Force Briefing & Deployment Area

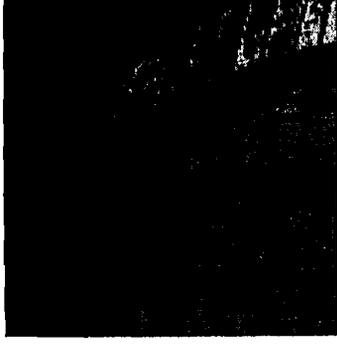
- Existing space does not provide adequate space for briefings, and equipment maintenance and storage
- New space to include central briefing area, lockers, weapons cleaning/storage areas, and office space for supervision
- Construction targeted to start: July 2009



Material Condition

Improve physical appearance

- Old unit 1 smokestack
- Paint vs. remove evaluation in progress
- Contract awarded for structural inspection to begin this month
- Containment vents
- Planning and access equipment construction in progress; work to begin July 2009
- Broadway fence line cleanup and landscaping
- Work in progress to install new landscaping and fencing along Broadway.
- Site lay-down area clean-up and building roofing and siding restoration activities in progress



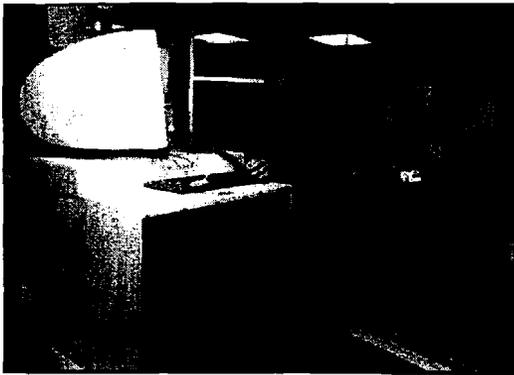
Next Steps

- Continue to integrate LSE improvement work with on-going safe, reliable operations
 - Implementation phase of various projects
 - Execute other 2009 design and scoping initiatives for next several years
 - Continued engagement of internal and external stakeholders on where we are headed
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Emergency Preparedness Grant Program

Carolyn Shanks

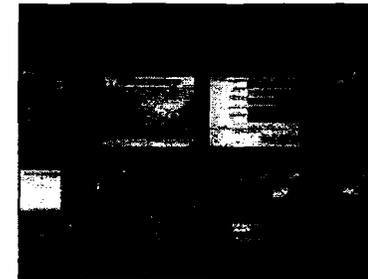
Senior Vice President for Administration and Corporate
Support



Emergency Preparedness Grant Program

Emergency Preparedness Grant Program

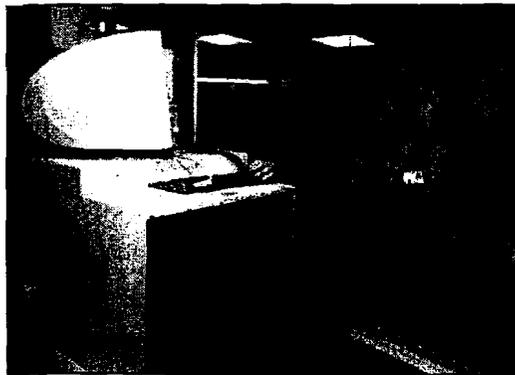
- Developed grant funding initiative to aid emergency service professionals and volunteer organizations
- County emergency management leaders have voice in review/prioritization process
- Grants accepted beginning June 1
- Application accessed via website www.safesecurevital.com
- Awards in \$5,000 to \$25,000 range



Entergy Spinoff

Carolyn Shanks

Senior Vice President for Administration and Corporate
Support



Spinoff

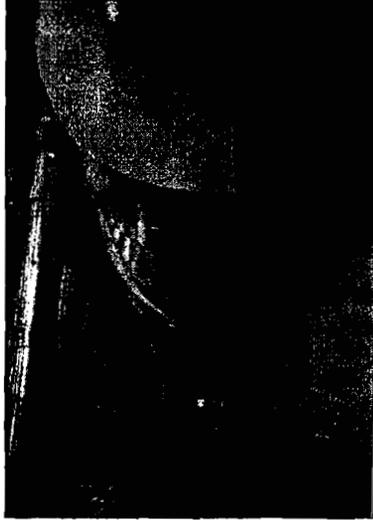
-Late 2007 - Entergy announced it was pursuing a plan to spin off non-utility nuclear business and form two new companies, Enexus and Equagen



- Enexus to be independent company, owning six nuclear power plants in northeast (including IPEC)
- Initial plan targeted fall 2008 execution; delayed due to current market conditions
- Company still committed and well positioned to execute spin pending favorable market conditions
- Regulatory approvals from New York State Public Service Commission and State of Vermont Public Service Board are pending
- New structure will better position company to take advantage of developing opportunities in nuclear industry and other

License Renewal Update

John Curry
Project Manager, License Renewal



License Renewal

- Nuclear Regulatory Commission (NRC) received Entergy's application for IPEC license renewal in April 2007
 - Safety and environmental reviews by NRC well underway
 - Draft reports issued by NRC
 - Atomic Safety & Licensing Board (ASLB) admitted 13 contentions for possible hearings
 - ASLB hearings expected to occur in 2010
 - Expect decision by NRC first quarter 2011
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Groundwater Program Update

Don Mayer
Director, Special Projects



Groundwater

- Unit 1 spent fuel pools emptied and drained
- Unit 2 spent fuel pool leak update
- Unit 3 recent storm drain findings

- Long Term Monitoring Program
 - In place and fully functional
 - Key aspect of enhanced capability to detect potential leaks
 - Provides long-term assessment for reduction of plume residuals



Dry Cask Storage

Dry Cask Storage (continued)

- In 2008, IPEC began its used fuel Dry Cask Storage campaign, moving used fuel from Unit 2 to Dry Cask Storage utilizing 3 casks
- Late last year the Unit 1 spent fuel pool was drained and used fuel from Unit 1 was placed into 5 casks
- Plan is to next begin removal of used fuel from Unit 3 in 2011
- Entergy seeking approval from NRC to move Unit 3 used fuel in smaller container from Unit 3 spent fuel pool into Unit 2 fuel pool, and ultimately into large Dry Cask Storage container
- Filing to be submitted by Entergy to NRC in Summer 2009

Q & A

