

September 21, 2010

MEMORANDUM TO: Ryan Whited, Branch Chief */RA by Jessie Muir Acting for/*
Environmental Projects Branch 2
Division of Site and Environmental Reviews

FROM: Andrew J. Kugler, Project Manager
Environmental Projects Branch 2
Division of Site and Environmental Reviews

SUBJECT: SUMMARY OF THE ENVIRONMENTAL SITE AUDIT RELATED
TO THE REVIEW OF THE COMBINED LICENSE APPLICATION
FOR TURKEY POINT, UNITS 6 AND 7

The U.S. Nuclear Regulatory Commission (NRC) staff, Pacific Northwest National Laboratory, Information Systems Laboratories and the U.S. Geological Survey participated in an environmental site audit related to the review of the combined license (COL) application submitted by Florida Power and Light (FPL) for Turkey Point, Units 6 and 7. The environmental site audit was held from June 7, 2010 to June 11, 2010, in Homestead, Florida. The purpose of the trip included: 1) discussions with FPL concerning the environmental report submitted as part of the application and associated information needs; 2) reviews of documentation related to the environmental report; 3) tours of the site and surrounding areas; and 4) meetings with Federal, State and local officials regarding the application and review process.

This report provides a summary of the audit and tours. Enclosure 1 is a summary report, including the schedule of events and lists of attendees that participated in the audit and the tours. Enclosure 2 contains the information needs status after the site audit.

Each day of the site audit included opening remarks, a follow-up of the previous day's events as needed, discipline-specific discussions, and a summary of the day's discussions. Additionally, FPL provided presentations during the week including: general site characterization, use of the radial wells, and the status of permitting. FPL also provided a general tour of the Turkey Point site, as well as discipline-specific tours. These discipline-specific tours included proposed hydrologic features onsite and offsite; the meteorological tower; Biscayne Bay near and at the site; and potential pipeline and transmission line routes.

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At the end of the audit, the NRC team reviewed the status of the information needs with FPL and its contractors. There will be additional conversations to establish the schedule by which FPL will provide additional information to the NRC reviewers. In some cases, the NRC may send requests for additional information to FPL regarding remaining information needs. An audit of the alternative sites is scheduled for the week of July 12, 2010.

Docket Nos. 52-040 and 52-041

Enclosures:

As stated

cc w/enclosures: See next page

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Docket Nos. 52-040 and 52-041

Enclosures:
As stated

cc w/enclosures: See next page

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(Revised 05/11/2010)

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**Site Audit Trip Report
Turkey Point Nuclear Plant Units 6 and 7
Combined License Application
(Florida Power and Light)
June 7-11, 2010**

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Tomeka Terry	Deputy	NRC
Mike Masnik	Aquatic Ecologist/Alternatives	NRC
Peyton Doub	Terrestrial/Land Use	NRC
Dan Mussatti	Socio/EJ/Cost-Benefit/NFP	NRC
Nebiyu Tiruneh	Hydrologist	NRC
Mohammad Haque	Hydrologist	NRC
Rich Emch	Rad/HP	NRC
Jay Lee	Accidents	NRC
David Brown	Accidents	NRC
Kevin Quinlan	Meteorology	NRC
John Fringer	Cultural Resources	NRC
Alicia Williamson	Alternatives/Non Rad Waste	NRC

Contractor Staff Supporting NRC

Bob Bryce	Team Lead	Pacific Northwest National Laboratory (PNNL)
Sandi McInturff	Team Deputy	PNNL
Ali Azarm	Accidents	Information Systems Laboratories (ISL)
Tom Anderson	Alternatives	PNNL
Jeff Ward	Aquatic Ecology	PNNL
Ralph Grismala	Fuel Cycle/Non-Rad Waste	ICF International (ICF)
Greg Hofer	Health Physics/Radiological	S. Cohen & Associates (SC&A)
Tara O'Neil	Historic/Cultural	PNNL
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Ed Carr	Meteorology/Accidents	PNNL
Michelle Niemeyer	Need for Power/Cost Benefits	PNNL
Jim Laurenson	Non-Rad Health	ICF
Alex Uriarte	Socioeconomics/EJ	ICF
Bob Scherpelz	Team Lead Shadow	PNNL
Mike Sackschewsky	Terrestrial Ecology	PNNL

Meeting Location

Keys Gate Golf & Tennis Club
2300 SE Palm Dr, Homestead, FL - (305) 230-0362

ENCLOSURE 1

Schedule of Activities

Sunday, June 6, 2010 Travel to Homestead, Florida

Monday, June 7, 2010

7:30 AM Meet in the Lobby for Introductions
7:45 AM Leave hotel lobby to travel to Meeting Location
8:00 AM Arrive at Meeting Location & Complete Sign In
8:15 AM Opening Meeting, Introductions, Overview
9:30 AM General Site Tour
11:30 AM Lunch
12:30 PM NRC/State and Federal Agencies Meeting
1:30 PM FPL Presentations – Alternative Site Selection Process, Alternative systems, Plant Operations
3:30 PM Resource specific site visits or meetings
5:30 PM Adjourn

Tuesday, June 8, 2010

7:45 AM Meet at Audit Site
8:00 AM Breakout discussions and Resource specific tours

- Transmission Lines
- Borrow Areas

12:00 PM Lunch
1:00 PM Breakout Discussions
4:00 PM Staff Data Needs (Staff meet with Deputy Team Lead to discuss information need)
4:45 PM Combined NRC/PNNL/FPL Meeting
6:00 PM Adjourn

Wednesday, June 9, 2010

7:45 AM Meet at Audit Site
8:00 AM Break out discussions
Boat Tour for Surface Hydrology and Aquatic Ecology
12:00 PM Lunch
1:00 PM Breakout Discussions
4:00 PM Staff Data Needs (Staff meet with Deputy Team Lead to discuss information need)
4:45 PM Combined NRC/ PNNL-ISL-ICF /FPL Meeting
6:00 PM Adjourn

Thursday, June 10, 2010

7:45 AM Meet at Audit Site
8:00 AM Break out discussions
12:00 PM Lunch
1:00 PM Breakout Discussions
Cultural Resources team travels to Tallahassee to visit State Historic Preservation Officer (SHPO)
4:00 PM Staff Data Needs (Staff meet with Deputy Team Lead to discuss information need)
4:45 PM Combined NRC/ PNNL-ISL-ICF /FPL Meeting
6:00 PM Adjourn

Friday, June 11, 2010

8:00 AM to 1:00 PM - Team Lead Closeout Meeting – Review of information needs resolutions and identify follow up actions.

- Cultural Resources team at SHPO in Tallahassee
- Hydrology Team at USGS offices

1:30 PM Audit Adjourn

Daily Summary –

June 6, 2010 (Sunday) – Travel Day

Nuclear Regulatory Commission (NRC) and Pacific Northwest National Laboratory (PNNL) and contractor staff traveled to Homestead, Florida

June 7, 2010 (Monday) – Morning

NRC and PNNL and contractor staff met briefly at 7:30 a.m. at the Hampton Inn to discuss plan for the day and route to the Keys Gate Golf & Tennis Club to meet with Florida Power and Light (FPL) and its contractor representatives.

The site audit began at 8:00 a.m. at the Keys Gate Golf & Tennis Club. Bill Maher, licensing lead for Units 6 and 7 and Andy Kugler Environmental Project Manager (EPM), NRC, opened the meeting by welcoming everyone to the site audit and asked those present to introduce themselves. Introductions included FPL staff and its contractors, NRC, the NRC support team (including staff from PNNL, ISL, ICF, SC&A, and the USGS, and the staff from numerous State and Federal agencies. Andy Kugler discussed NRC's objectives and expectations for the site audit and the role of the contractor team on behalf of the NRC. Bill Maher provided an overview of site audit activities for the morning. The opening session also included a presentation on the American crocodile and other animal species of interest found on the FPL Turkey Point property.

Following the entrance meeting, FPL personnel provided the audit team with a bus tour of the proposed Units 6 and 7 site location. Bill Maher of FPL pointed out the location of existing facilities at or near the site including the daycare center, shooting range, and Units 1, 2, 3, 4, and 5. The bus stopped at a location that afforded a view of part of the existing cooling canal system and the proposed location of the proposed Units 6 & 7 on an island defined by portions of the existing canal system.

During the tour the area of potential effect (APE) for cultural resources was pointed out by Kathy Roxlau to the PNNL cultural resources staff. Kathy is an archaeologist from TetraTech. According to Kathy, there are no known cultural resources located within the APE. There are no known historic structures located within the APE.

The archaeologists on contract to FPL also pointed out where the cultural resources pedestrian surveys and shovel test pits were conducted. This explanation was done at a very high level pointing and describing the areas surveyed and sampled across the proposed footprint area.

Construction related activities will be restricted to the island area and offsite areas identified in the cultural resources reports prepared by Janus Research. All proposed project activities were included in the APE and cultural resource studies conducted by Janus Research for this new reactor effort.

A list of attendees for meetings held during the week is provided in Table 1.

June 7, 2010 (Monday) – Afternoon

After the bus tour of the Turkey Point, Units 6 & 7 site, FPL personnel and NRC and contractor staff reconvened at the Keys Gate Golf & Tennis Club.

June 7, 2010 (Monday) – Afternoon (cont)

At 12:30 p.m. NRC and contractor staff met with representatives of State and other Federal Agencies to discuss their perspectives and expectations with regard to permits and ecology and hydrologic impacts of the proposed action.

Socioeconomics staff met with city officials from the city of Homestead. Community representatives who attended offsite meetings with NRC and contractor socioeconomics staffs from June 7-11, 2010, during the Turkey Point site audit in Homestead, Florida are listed in Table 2.

At 1:30 p.m. those not meeting with city officials reconvened for presentations by FPL staff and break-out sessions for various technical disciplines. Staff in each discipline initiated technical discussions with their FPL counterparts and contractors. Presentations included the Alternative Site Selection Process by Kyle Turner and Plant Operations by Paul Jacobs and Matt Raffenberg. After the presentations, staff initiated breakout sessions. Due to the short time for breakout sessions, no close out meeting was conducted.

June 8, 2010 (Tuesday) – Morning

Staff continued technical discussions with FPL and its contractors at the Keys Gate Golf & Tennis Club.

Ecology and land use staff toured transmission and pipeline corridors. The transmission line tour was an all-day event. During the tour, information was provided by FPL staff on the proposed corridors. County staff on the tour provided information concerning existing and planned land uses in the area of the corridors, especially related to the adjacent areas of the Everglades National Park. The tour went through the major mining area in the county. FPL and contractor personnel, NRC and support staff, and other agency representatives who participated in the Transmission Lines Tour during the Turkey Point site audit are listed in Table 3.

Groundwater hydrology, the FPL groundwater model, and the impact of operation of the radial collector wells were discussed. Participants in the discussion included FPL staff and contractors, NRC staff and contractors including USGS staff from the Florida USGS office, South Florida Water Management District (SFWMD) staff and others. The discussion included a conference call with the person performing the modeling for FPL.

Socioeconomics staff met with city officials from Florida City.

June 8, 2010 (Tuesday) – Afternoon

Staff continued technical discussions with FPL and its contractors at the Keys Gate Golf & Tennis Club.

The groundwater discussion continued at the Hampton Inn so that a “Live Meeting” could be used to share graphics between the person who performed the modeling and the rest of the participants.

June 9, 2010 (Wednesday) – Morning

Staff continued technical discussions with FPL and its contractors at the Keys Gate Golf & Tennis Club.

Terrestrial ecology staff met with SFWMD staff to discuss their perspective on the impact of transmission lines on resources important to the district.

Aquatic ecology and surface water hydrology staff participated in a boat tour of the Turkey Point facility and environs. The boat tour included visits to the freshwater canal just north of Turkey Point, Card Sound Canal, the barge turning basin, and the region around Turkey Point (the proposed site of the radial collector wells). FPL and contractor personnel and NRC and support staff who participated in the Boat Tour on Wednesday, June 9 during the Turkey Point site audit are listed in Table 4.

June 9, 2010 (Wednesday) – Afternoon

Staff continued technical discussions with FPL and its contractors at the Keys Gate Golf & Tennis Club.

June 10, 2010 (Thursday) – Morning

Staff continued technical discussions with FPL and its contractors at the Keys Gate Golf & Tennis Club.

Groundwater hydrology staff participated in a boat tour conducted by Biscayne National Park service staff.

Socioeconomics staff met with officials from a number of agencies in Miami-Dade County including Miami-Dade County Department of Planning and Zoning, Miami-Dade Office of Community Advocacy, and a representative of the Asian American Advisory Board. Land use staff also attended the meeting with the County Planning Division and obtained information about existing and planned land uses in the area of the transmission corridors. In addition, county staff provided information about land use concerns regarding the locations of new access roads to the project construction site.

Cultural resources staff met with the State Historic Preservation Officer (SHPO) in Tallahassee Florida. John Fringer of NRC led the introductions and the purpose of the meeting. The staff communicated to the SHPO how NRC implements Section 106 through the National Environmental Policy Act (NEPA) process (36CFR800.3). There were discussions about how NRC defines the APE for the action and how it is limited to NRC authorized activities. The staff mentioned that the U. S. Army Corps of Engineers (USACE) would be a cooperating agency for the NEPA review.

Cultural personnel discussed the environmental audit and the cultural resources work that FPL has done through the subcontract to Janus Research (local archaeologists). The SHPO was familiar with this work and the project overall.

The SHPO did not express concerns regarding cultural resources within the onsite APE. The SHPO is expecting the applicant to fulfill its commitment to develop inadvertent discovery procedures and train staff prior to project activities.

There was a discussion regarding underwater archaeology and the SHPO mentioned the potential to discover archaeological sites because 10,000 years ago that area was not under water. The SHPO indicated that inadvertent procedures should be in place to cover project related activities in the water as well as within the physical footprint of the proposed site. The SHPO stated there may be a need to do additional work, such as remote sensing and additional coring/testing of the area.

The SHPO mentioned the need to consider the offsite areas associated with the linear features, such as transmission lines, roads, pipelines, etc. There are several historic districts and buildings that may be impacted.

June 10, 2010 (Thursday) – Afternoon

Staff continued technical discussions with FPL and its contractors at the Keys Gate Golf & Tennis Club.

June 11, 2010 (Friday) - Morning

FPL and NRC team leads along with the leads for the contractors held a closeout meeting to review follow-up actions from the audit. Andy Kugler, Tomeka Terry, Bob Bryce, and Sandi McInturff reviewed the information needs table with Rick Orthen, Ray Burski, Frostie White, and Dave Wagner and others from the FPL team. The closeout meeting adjourned at 1:30 PM.

June 11, 2010 – Afternoon

Remaining staff traveled home.

Summary of Issues or Concerns by Technical Discipline

Hydrology

Hydrology issues were for the most part related to how the operation of the radial collector wells will influence groundwater and surface water movement and quality. FPL is revising the model in response to comments made through the State's Site Certification process. The revised model results will be available in November 2010. Additional information is needed on a number of topics. FPL intends to provide this information in the weeks following the site audit or, alternatively, the staff will request it through the request for additional information (RAI) process.

The boat tour provided an opportunity for staff to observe natural features that are relevant to movement and quality of water. Observations made on the boat tour included:

- A continuous, relatively thick (>5 inches) muck layer was observed by M. Masnik throughout the abundant turtle grass on the north and south sides of Turkey Point. Coordinates are 17NE:568549; N: 2813903.4 (depth ~2 ft of water). It appears that sedimentation is higher on the north side of Turkey Point than on the south side
- On the south side of Turkey Point currents were faster and the water depth was deeper (3-4 ft). Mangroves were also contiguous on this side, as was the turtle grass and the muck. Location of investigation: 17NE:568628; E:2813505
- The bottom transitions to hard, exposed limestone overlain by patchy areas of calcareous sand one to two inches deep starting about 50 m west of the tip of Turkey Point and extending eastward.

Aquatic Ecology

Many information needs related to aquatic ecology were addressed by the audit, including through review of publicly available information to which the staff was referred by FPL. In other cases, the staff will need to consider information FPL intends to submit after the audit, or it will consider issuing requests for additional information. Information needs identified for such follow-up include:

- Other Federal, State and local agencies have raised questions regarding the hydrodynamic modeling done to assess the effects of radial well operation on aquatic resources of Biscayne Bay.
Resolution: NRC staff and contractors will review the results of the revised FPL model, when available, and may develop an alternative approach to hydrodynamic modeling to assess potential operational impacts of the radial well system on the benthic and fish communities of Biscayne Bay.
- Use of reclaimed wastewater from Miami-Dade may result in deposition of emerging pollutants of concern (EPOCs) due to operation of cooling towers.
Resolution: NRC staff and contractors will review any additional information that FPL can provide and will independently gather additional information on chemical makeup of reclaimed water and cooling tower deposition to assess whether the potential environmental impacts warrant further analysis.

Terrestrial Ecology

Because the State of Florida Site Certification Application (SCA) for the power plants and transmission lines has been through multiple rounds of questioning by local and State agencies, almost all of the issues and questions identified by the PNNL/NRC team have already been addressed by FPL. Much of the discussion with the applicant and agency staff involved discussions of what was covered as part of the SCA documentation and where it was located.

Terrestrial Ecology (cont)

Information needs identified for follow-up include:

- The staff is considering whether to request additional information with respect to the wetland delineation and functional assessment information for the fill borrow source area.
- The staff is considering whether to request additional information with respect to how FPL's field personnel have access to information about rare species and habitats, and how this information is incorporated into the site-specific maintenance prescriptions.
- The staff is considering the potential effects of salt drift from the proposed cooling towers on the fresh water ponds in the northern portion of the return canal system. These ponds are important for hatchling crocodiles. The staff is considering whether to request additional information with respect to the freshwater lens structure within the refugia ponds as well as physical structure and dimensions of the ponds, with special emphasis on those in the northern portion of the return canals. The staff is also considering whether to request additional information with respect to the salinity of these ponds.
- The staff is considering whether to request additional information with respect to the layout of facilities at each alternative site and the habitats and resources that would be affected by facility construction and operation, as well as with respect to conceptual transmission line corridors. This is needed to understand potential impacts to habitat resources, wetlands, and species of concern.

Socioeconomics/Environmental Justice

NRC and contractor staff met with representatives of community agencies in the vicinity of the Turkey Point site including the City of Homestead, non-governmental organization (NGO) Sembrando Flores, Homestead Housing Authority, Florida City, Miami-Dade County Community Action Agency, Miami-Dade County Department of Planning and Zoning, and Miami-Dade Office of Community Advocacy. Participants in these meetings are listed in Table 2.

NRC and contractor staff also met with FPL staff and its contractors to discuss information needs related to the environmental report (ER) and the development of an environmental impact statement (EIS). A number of the information needs identified prior to the Site Audit were resolved, one will require further investigation by both the applicant and NRC (regarding the correct application of the RIMS II multipliers) and a follow-up call will be scheduled. One was referred to the more general issue of information for cumulative analysis at the alternative sites. The fifteen remaining information needs will be resolved through additional information that the applicant will provide or through revision of the information currently in the ER.

Need for Power

Some information needs related to Need for Power were satisfied based on publicly available information to which the staff was referred by FPL. In other cases, the staff will need to consider information FPL intends to submit after the audit, or it will consider issuing requests for additional information..

Benefit-Cost

Some information needs related to Benefit Cost were satisfied based on publicly available information to which the staff was referred by FPL. In other cases, the staff will need to consider information FPL intends to submit after the audit, or it will consider issuing requests for additional information.

Cultural Resources

Some information needs related to Cultural Resources were satisfied based on publicly available information to which the staff was referred by FPL. In other cases, the staff will need to consider information FPL intends to submit after the audit, or it will consider issuing requests for additional information..

The SHPO recommended the following people be informed about the project, asked to participate in scoping, and consulted with as interested parties:

Ms. Kathleen Kauffman, Historic Preservation Chief
Office of Historic & Archaeological Resources
111 N.W. First Street, Suite 695
Miami, FL 33128
Phone: (305) 375-3506
Email: kkauff@miamidade.gov

Ms. Ellen J. Uguccione
Historic Preservation Officer, City of Miami
444 S.W. 2nd Avenue-3rd Floor
Miami, FL 33130
Phone: (305) 416-1447
Fax: (305) 416-2156
Email: euguccioni@miamigov.com

Mr. Robert Carr
Archaeological and Historical Conservancy, Inc.
4800 Davie Road, Suite 107, Davie, FL 33314
Phone: 954-792-9776
Fax: 954-792-9954
Email: archlgcl@bellsouth.net

Meteorology/Air Quality

Staff visited the site locations where meteorological data is collected and reviewed maintenance and calibration records and audit reports. Some information needs were satisfied based on publicly available information to which the staff was referred by FPL. In other cases, the needs will either be resolved when FPL submits information after the audit, or through requests for additional information. Through a discussion of greenhouse gas emissions during construction, operation and decommissioning the need for additional information from the applicant was identified.

Another information need remains related to potential pharmaceutical air emissions via cooling tower drift. The staff plans to do some bounding analysis and identify receptors of concern. NRC reviewers for meteorology, aquatic ecology, and terrestrial ecology will work together to provide an estimate for EPOC's and related impacts.

Accidents

Some information needs related to Accidents were satisfied based on publicly available information to which the staff was referred by FPL. In other cases, the staff will need to consider information FPL intends to submit after the audit, or it will consider issuing requests for additional information.

Radiological

Most of the information needs related to Radiological Health were resolved by the audit. In other cases, the staff will need to consider information FPL intends to submit after the audit, or it will consider issuing requests for additional information.

A remaining topic to be addressed relates to the nearest receptor for dose calculations and whether there is a permanent resident at the residence behind the Biscayne Bay Park headquarters building.

Non Radiological Health

Most information needs related to non-radiological health were satisfied based on publicly available information to which the staff was referred by FPL. In other cases, the staff will need to consider information FPL intends to submit after the audit, or it will consider issuing requests for additional information. Two items were identified where additional information will be requested:

- Staff was told that while ER Sec. 5.3.1 states that specific criteria would be used to determine when reclaimed water would not be of sufficient quality for use in the cooling system, the criteria have yet to be developed. FPL currently is developing these criteria and will provide them when available.
- Anne Lovell noted that FPL will augment the alternatives discussion in the ER with additional detail on cooling water discharge options.

Alternatives

Some information needs related to the alternative site screening process and alternates were satisfied based on a review of the detailed site screening methodology. FPL released its detailed site screening report to Florida Public Service Commission (PSC) in 2007. A hard copy and link to the PSC web site containing the report were provided by FPL.

Numerous information needs remain unresolved. The staff will need to consider information FPL intends to submit after the audit, or it will consider issuing requests for additional information.

Land Use

Some information needs related to Land Use were satisfied based on publicly available information to which the staff was referred by FPL. In other cases, the staff will need to consider information FPL intends to submit after the audit, or it will consider issuing requests for additional information..

Transmission Lines

Some information needs related to Transmission Lines were satisfied based on publicly available information to which the staff was referred by FPL. In other cases, the staff will need to consider information FPL intends to submit after the audit, or it will consider issuing requests for additional information.

Transportation

Some information needs related to Transportation were satisfied based on publicly available information to which the staff was referred by FPL. In other cases, the staff will need to consider information FPL intends to submit after the audit, or it will consider issuing requests for additional information.

Table 1. FPL and contractor personnel, NRC and support staff, and other agency representatives who attended the Turkey Point COL site audit held June 7 through 11, 2010 at the Keys Gate Golf & Tennis Club, Homestead, FL.

	Name	Company
1.	Anderson, Tom	PNNL
2.	Azarm, Ali	ISL
3.	Bauer, Laurel	NRC
4.	Bellmund, Sarah	Biscayne National Park
5.	Brown, David	NRC
6.	Bryce, Bob	PNNL
7.	Bullock, Karl	Golder & Associates
8.	Burns, Scott	SFWMD
9.	Burski, Ray	FPL
10.	Button, Rick	EPA
11.	Carr, Becky	Bechtel
12.	Carr, Ed	ICF
13.	Castro, Bridgette	BISC-NPS
14.	Cherish, Nick	Bechtel
15.	Clouser, Megan	USACE
16.	Cognetti, Tom	FPL
17.	Connor, Steve	Tetra Tech
18.	Conrad, Chuck	Tetra Tech
19.	Cook, Mark	SFWMD
20.	Cort, Katie	PNNL
21.	Coughanour, Susan	SFWMD
22.	Cunliffe, John	Bechtel
23.	Cunningham, Kevin	USGS
24.	Daling, Phil (phone)	PNNL
25.	Day, Garrett	Bechtel
26.	Dearing, Krista	Tetra Tech
27.	DeLeon, Louie	SFWMD
28.	Doub, Peyton	NRC
29.	Echols, Stan	NRC
30.	Emch, Rich	NRC
31.	Fringer, John	NRC
32.	Garcia, Norma	NRC
33.	Gless, Jody	FPL
34.	Golden, Jim	SFWMD
35.	Golf, Jennifer	FWC
36.	Grismala, Ralph	ICF
37.	Grossenbaches, Craig	MDDERM
38.	Haque, Mohammed	NRC
39.	Hagood, Kristi	Tetra Tech
40.	Haleron, Kate	Miami-Dade Planning and Zoning
41.	Halpin, Mike	FDEP
42.	Hefty, Lee	MDDERM
43.	Heistand, Ralph	FPL
44.	Hill, Nikki	Tetra Tech

45.	Hofer, Greg	SC&A
46.	Hoffman, Kate	Tetra Tech
47.	Holderman, Jon	FPL
48.	Hughes, Joe	USGS
49.	Jacobs, Paul	FPL
50.	Janzen, John	SFWMD
51.	Jha, Ken (phone)	Bechtel
52.	Kincaid, Charley	PNNL
53.	King, Jeff	USGS
54.	Kline, Steve	Bechtel
55.	Kosky, Ken	Golder & Associates
56.	Krupa, Steve	SFWMD
57.	Kugler, Andy	NRC
58.	Labiosa, Rochelle	PNNL
59.	Lau, Steve	FWC
60.	Laurenson, Jim	ICF
61.	Lee, Jay	NRC
62.	Lin, YJ	Bechtel
63.	Lohmann, Melinda Wolfert-	USGS
64.	Lovell, Anna	Tetra Tech
65.	Maher, Bill	FPL
66.	Masnik, Mike	NRC
67.	May, Joe	FDEP
68.	McInturff, Sandi	PNNL
69.	Meir, Jena	FPL
70.	Miedema, Ron	EPA
71.	Mire, June	Tetra Tech
72.	Moore, Phil	Tetra Tech
73.	Mussatti, Dan	NRC
74.	Mussman, Ellen	Bechtel
75.	Nausman, Alyssa	USGS
76.	Niemeyer, Michelle	PNNL
77.	O'Neil, Tara	PNNL
78.	Orthen, Rick	FPL
79.	Owosina, Akin	SFWMD
80.	Paine, Elizabeth	FPL
81.	Patterson, Gary	USGS
82.	Patterson, Karen	Tetra Tech
83.	Payne, Dorothy	USGS
84.	Powell, Greg	Golder & Associates
85.	Pugh, David (phone)	USACE
86.	Quinlan, Kevin	NRC
87.	Raffenberg, Matt	FPL
88.	Regan, Rob	FPL
89.	Reimnitz, Mark	Bechtel
90.	Renkin, Bob	USGS
91.	Richmond, Mary	Bechtel
92.	Roxlau, Kathy	Tetra Tech
93.	Sackschewsky, Mike	PNNL
94.	Samad, Mustafa	Bechtel
95.	Scherpelz, Bob	PNNL
96.	Scroggs, Steve	FPL

97.	Sculley, Sean	SFWMD
98.	Silva, Eric	Miami-Dade Planning and Zoning
99.	Sim, Steve	FPL
100.	Smith, Jason	SFWMD
101.	Stotler-Hardy, Shauna	Tetra Tech
102.	Talbot, Craig	Bechtel
103.	Taylor, Stu (phone)	Bechtel (Frederick, MD)
104.	Terry, Tomeka	NRC
105.	Thorne, Paul	PNNL
106.	Tiruneh, Neibiyu	NRC
107.	Turner, Kyle	McCallum -Turner
108.	Uriarte, Alex	ICF
109.	Vail, Lance	PNNL
110.	Vechioli, Lucieann (phone)	NRC
111.	Wagner, Dave	Bechtel
112.	Walsh, Virginia	MDWASD
113.	Ward, Jeff	PNNL
114.	Watermon, Matt (phone)	Bechtel
115.	Watson, Bruce	NRC
116.	Weda, Dave	FPL
117.	Weinbeck, Steve	Bechtel
118.	Weiss, Bill	Tetra Tech
119.	White, Frostie	FPL
120.	Whitten, Mike	Tetra Tech
121.	Williamson, Alicia	NRC
122.	Wimble, Kara (phone)	Tetra Tech
123.	Wrublik, John	FWS
124.	Young, Larry	Bechtel
125.	Young, Phil	Tetra Tech
126.	Zeff, Sally	ICF
127.	Zheng, Yifan	Bechtel

Table 2. Community representatives who attended offsite meetings (outside the Keys Gate Golf & Tennis Club) with NRC socioeconomics staff from June 7 to 11, 2010, during the Turkey Point site audit in Homestead, Florida.

Organization	Name, Title
City of Homestead:	Sergio Purrinos (City Manager)
City of Homestead	Julio Brea (Assistant City Manager)
NGO Sembrando Flores	Nancy Rivera (Executive Director)
Homestead Housing Authority	Edmund Carrera (Executive Director)
Florida City:	Bill Kiriloff (Community Development Director)
Miami-Dade County Community Action Agency	Julie B. Edwards (Executive Director), Christine M. King (Assistant to the Executive Director) and one other person from same agency
Miami-Dade County Department of Planning and Zoning	Mark Woerner (Chief, Metropolitan Planning Section), Napoleon Somoza (Principal Planner) and three other people from the same agency.
Miami-Dade Office of Community Advocacy	Maria Lazo (Director, Hispanic Affairs Advisory Board), Retha S. Boone (Director, Black Affairs Advisory Board), Laura C. Morilla (Director, Commission for Women) and a representative of the Asian American Advisory Board

Table 3. FPL and contractor personnel, NRC and support staff, and other agency representatives who participated in the Transmission Lines Tour during the Turkey Point site audit.

Name, Title	Organization
Mike Sackschewsky	PNNL
Jeff Ward	PNNL
Peyton Doub	NRC
Mike Masnik	NRC
Dave Weda	FPL
Tom Cognetti	FPL
Jena Meir	FPL
Megan Clouser	ACOE
Craig Grossenbacher	MDDERM
Mike Whitten	Tetra Tech
Phil Moore	Tetra Tech
Karl Bullock	Golder
Ellen Mussman	Bechtel

Table 4. FPL and contractor personnel, and NRC and support staff who participated in the Boat Tour on Wednesday, June 9 during the Turkey Point site audit.

Name	Expertise	Agency/Organization
Jeff Ward	Aquatic Ecology	PNNL
Mike Masnik	Aquatic Ecology	NRC
Krista Dearing	Geologist	Tetra Tech
Rochelle Labiosa	Hydrology	PNNL
Mustafa Samad	Hydrology	Bechtel
Mohammed Haque	Hydrology	NRC
Craig Talbot	Hydrology	Bechtel
Yifan Zheng	Hydrology	Bechtel
Philip Moore	Aquatic Ecologist	Tetra Tech
Jena Mier	Environmental Specialist	FPL