

IPRenewal NPEmails

From: Wentzel, Michael
Sent: Thursday, September 18, 2014 3:28 PM
To: Gray, Dara
Subject: Telecon Summary
Attachments: 091614, Summary of Telephone Conference Call Held Between NRC and Entergy Concerning the RAIs, Pertaining to Aquatic Impacts From the Operation of Indian Point.docx

Dara,

Attached is a draft of the telecon summary for the phone call this past Tuesday. Please let me know if you have any comments, or if I've characterized something incorrectly.

Thanks,
Mike

Michael Wentzel
Project Manager
NRR/DLR/RPB2
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michael.wentzel@nrc.gov

Hearing Identifier: IndianPointUnits2and3NonPublic_EX
Email Number: 4640

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Subject: Telecon Summary
Sent Date: 9/18/2014 3:27:52 PM
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From: Wentzel, Michael

Created By: Michael.Wentzel@nrc.gov

Recipients:
"Gray, Dara" <DGray@entergy.com>
Tracking Status: None

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MESSAGE	363	9/18/2014 3:27:54 PM
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		94520

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

LICENSEE: Entergy Nuclear Operations, Inc.

FACILITY: Indian Point Nuclear Generating Unit Nos. 2 and 3

SUBJECT: SUMMARY OF TELEPHONE CONFERENCE CALL HELD ON JULY 15, 2014 BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION AND ENTERGY NUCLEAR OPERATIONS, INC., CONCERNING THE REQUEST FOR ADDITIONAL INFORMATION PERTAINING TO THE INDIAN POINT NUCLEAR GENERATING UNIT NOS. 2 AND 3 LICENSE RENEWAL APPLICATION ENVIRONMENTAL REVIEW (TAC NOS. MD5411 AND MD5412)

The U.S. Nuclear Regulatory Commission (NRC) staff and representatives of Entergy Nuclear Operations, Inc., (Entergy or the applicant) held a telephone conference call on September 16, 2014, to discuss and clarify the NRC staff's request for additional information (RAI) concerning the Indian Point Nuclear Generating Unit Nos. 2 and 3 license renewal application.

Enclosure 1 provides a listing of the participants and Enclosure 2 contains a listing of the RAIs discussed with the applicant, including a brief description of the status.

The applicant had an opportunity to comment on this summary.

Michael Wentzel, Project Manager
Projects Branch 2
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket Nos. 50-247 and 50-286

Enclosure:
As stated

cc w/encl: Listserv

LICENSEE: Entergy Nuclear Operations, Inc.

FACILITY: Indian Point Nuclear Generating Unit Nos. 2 and 3

SUBJECT: SUMMARY OF TELEPHONE CONFERENCE CALL HELD ON JULY 15, 2014 BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION AND ENTERGY NUCLEAR OPERATIONS, INC., CONCERNING THE REQUEST FOR ADDITIONAL INFORMATION PERTAINING TO THE INDIAN POINT NUCLEAR GENERATING UNIT NOS. 2 AND 3 LICENSE RENEWAL APPLICATION ENVIRONMENTAL REVIEW (TAC NOS. MD5411 AND MD5412)

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Michael Wentzel, Project Manager
 Projects Branch 2
 Division of License Renewal
 Office of Nuclear Reactor Regulation

Docket Nos. 50-247 and 50-286

Enclosure:
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cc w/encl: Listserv
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NAME		MWentzel	BWittick	MWentzel
DATE				

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SUBJECT: SUMMARY OF TELEPHONE CONFERENCE CALL HELD ON JULY 15, 2014
BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION AND
ENERGY NUCLEAR OPERATIONS, INC., CONCERNING THE REQUEST
FOR ADDITIONAL INFORMATION PERTAINING TO THE INDIAN POINT
NUCLEAR GENERATING UNIT NOS. 2 AND 3 LICENSE RENEWAL
APPLICATION ENVIRONMENTAL REVIEW (TAC NOS. MD5411 AND MD5412)

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DMcIntyre, OPA JSStewart, RI
JWeil, OCA AmiPatel, RI

TELEPHONE CONFERENCE CALL
INDIAN POINT NUCLEAR GENERATING UNIT NOS. 2 AND 3
LICENSE RENEWAL APPLICATION

LIST OF PARTICIPANTS
SEPTEMBER 16, 2014

PARTICIPANTS:

Dennis Logan
Michael Wentzel
Valerie Cullinan
Larry Barnthouse
Dara Gray
Doug Heimbuch
Mark Mattson
Roger Waters
John Young

AFFILIATIONS:

U.S. Nuclear Regulatory Commission (NRC)
NRC
Pacific Northwest National Laboratory
Entergy Nuclear Operations, Inc. (Entergy)
Entergy
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Entergy
Entergy
Entergy

TELEPHONE CONFERENCE CALL
INDIAN POINT NUCLEAR GENERATING UNIT NOS. 2 AND 3
LICENSE RENEWAL APPLICATION

REQUESTS FOR ADDITIONAL INFORMATION
SEPTEMBER 16, 2014

The U.S. Nuclear Regulatory Commission (NRC) staff and representatives of Entergy Nuclear Operations, Inc., (Entergy) held a telephone conference call on September 16, 2014, to discuss and clarify the following request for additional information (RAI) concerning the license renewal application environmental review.

RAI

Please provide data related to Entergy's February 19, 2014 letter transmitting updated aquatic impact information two different formats, referred to here as Format 1 and Format 2. The NRC staff request the data as CSV (comma-separated variable) files with column formats specified below. The NRC staff request the data for taxon and region codes defined in Tables 1 and 2.

Table 1. Taxon Codes

Taxon	Species
1	Alewife
2	Bay Anchovy
3	American Shad
4	Bluefish
13	Hogchoker
19	Atlantic Menhaden
22	Blueback Herring
25	Rainbow Smelt
27	Shortnose Sturgeon
28	Spottail Shiner
29	Atlantic Sturgeon
30	Striped Bass
32	Atlantic Tomcod
34	White Catfish
35	White Perch
45	Weakfish
75	Gizzard Shad

Table 2. Region Codes

Region	River Region
1	YK (Mile 12- 23)
2	TZ (Mile 24- 33)
3	CH (Mile 34- 38)
4	IP (Mile 39- 46)
5	WP (Mile 47- 55)
6	CW (Mile 56- 61)
7	PK (Mile 62- 76)
8	HP (Mile 77- 85)
9	KG (Mile 86- 93)
10	SG (Mile 94-106)
11	CS (Mile 107-124)
12	AL (Mile 125-152)
13	all regions 1 - 12 combined

Format 1 Data: Please provide the following data from the Fall Shoals Survey (FSS), Beach Seine Survey (BSS) and Long River Survey (LRS):

- (1) the unstandardized River Segment 4 annual densities (if AKRF calculated these as in the FSEIS as the 75th percentile of the weekly densities--if AKRF used some other measure, then please submit both that measure and the 75th percentile of the weekly densities) for each survey (FSS, BSS, and LRS);

ENCLOSURE 2

- (2) the unstandardized River Segment 4 annual CPUE (catch per unit effort) used in the AKRF analysis for each survey (FSS and LRS);
- (3) the unstandardized Riverwide CPUE for each survey (FSS, BSS, and LRS); and
- (4) the Riverwide unstandardized abundance index (with an indication for each taxon of which sampling program was used for its construction) used by AKRF for trends analysis for each year and taxon listed in Table 1.

Note that the NRC staff recognizes that the updated analysis provided in the February 19 submittal used only YOY (young-of-the year) data collected during weeks 28 through 42 during the BSS, weeks 29 through 42 during the FSS, and weeks 17 through 27 for the LRS. Please provide the units for each measurement. The NRC staff requests that the format of each of these files be supplied in the format shown in Table 3, with each taxon in Table 1 presented in an individual column and each year presented in an individual row.

Table 3. Format for the nine Format 1 data files.

Year	Alewife	Bay Anchovy	American Shad	Bluefish	...	Gizzard Shad
1985						
:						
:						
2011						

Format 2 Data: The NRC staff requests the weekly YOY density; weekly YOY catch; weekly total catch; weekly number of samples; and weekly volume sampled, all by year, region, and taxon for each sampling program (FSS, BSS, and LRS). Please provide the units for each measurement. Note, Region 13 as used in the tables of weekly catch is the total weekly catch from regions 1 – 12 as defined in Table 2. The format of each of these files is presented in Table 4.

Table 4. Detailed format for nine Format 2 files.

For regional trend analysis based on density:										
FSS Weekly Density										
TAXON	Region	program	lifestage	year	startdate	enddate	Week	Density (#/m3)	sedensity	nsample
1-75	1-12	FSS	YOY	1979-2011			Each Week			
LRS Weekly Density										
TAXON	region	program	lifestage	year	startdate	enddate	Week	Density (#/m3)	sedensity	nsample
1-75	1-12	LRS	YOY	1979-2011			Each Week			
BSS Weekly Density										
TAXON	region	program	lifestage	year	startdate	enddate	Week	Density (#/m3)	sedensity	nsample
1-75	1-12	BSS	YOY	1979-2011			Each Week			

For regional and riverwide trend analysis based on CPUE:

FSS Weekly Catch

Program	Year	Week	Region	River Region	Taxon	Common Name	Count LC1/YOY	Total Count	# Samples	Volume (m3)
FSS	1979-2011	Each Week	1-13		1-75					

LRS Weekly Catch

Program	Year	Week	Region	River Region	Taxon	Common Name	Count LC1/YOY	Total Count	# Samples	Volume
LRS	1979-2011	Each Week	1-13		1-75					

BSS Weekly Catch

Program	Year	Week	Region	River Region	Taxon	Common Name	Count LC1/YOY	Total Count	# Samples
BSS	1979-2011	Each Week	1-13		1-75				

For riverwide trend analysis based on the Abundance Index:

FSS Abundance Index

Year	Program	Lifestage	Taxon	Index	Seindex
1979-2011	FSS	YOY	1-75		

LRS Abundance Index

Year	Program	Lifestage	Taxon	Index	Seindex
1979-2011	LRS	YOY	1-75		

BSS Abundance Index

Year	Program	Lifestage	Taxon	Index	Seindex
1979-2011	BSS	YOY	1-75		

Discussion:

After discussing each of the data tables, Entergy staff stated that they understood what information the NRC staff was requesting and that they would be able to provide that information. The NRC staff agreed to change the RAI to make clear that the analysis presented in Entergy's February 19 submittal was based on data in a manner that was consistent with the NRC staff's analysis. As such, the NRC staff made the following change to the RAI:

Consistent with the analysis in the 2013 supplement to the final supplemental environmental impact statement, ~~Note that~~ the NRC staff notes ~~recognizes~~ that the updated analysis provided in the February 19 submittal used ~~only~~-YOY (young-of-the year) data collected during weeks 28 through 42 during the BSS, weeks 29 through 42 during the FSS, and weeks 17 through 27 for the LRS.