

#### **Environmental Laboratory Analysis Report** 29 Research Drive Westboro, MA 01581

508-573-6650

Customer Entergy Operations Inc Attention

Michele DuBois **Receipt Date** 

Report Date 10/10/06

09/29/06

Entergy Nuclear Fitzpatrick, LLC PO Box 110, 268 Lake Road

Lycoming, NY 13093

**Entergy Operations Inc** 

Lab. Sample No. Reference Date

L11460-01 08/06/06

Client ID

**Analysis Date** 

IP 06-575 IP WHITE PERCH

10/06/06

Product GAMMA SPECTROMETRY

Matrix Fish

				· · · · · · · · · · · · · · · · · · ·			
	Nuclide	Activity Concentration +/- 1 - Sigma	TPU 1 Sigma	Measured MDC	Required MDC	Flags	
		(pCi/kg)	(pCi/kg)	(pCi/kg)	(pCi/kg)		
<del></del>	AcTh-228	1,4E+01 +/- 6.2E+01	6.2E+01	2.3E+02			
	Ag-108m	0E+00 +/- 1.1E+01	1,1E+01	4.2E+01		•	•
	Ag-110m	-3.3E+01 +/- 2.4E+01	2.4E+01	1.0E+02		•	
	Ba-140	-2.8E+02 +/- 3.4E+02	3.4E+02	1.7E+03			
	Be-7	-4E+01 +/- 1.8E+02	1.8E+02	7.1E+02			
	Ce-141	3.5E+01 +/- 5.5E+01	5.5E+01	1.9E+02			. •
	Ce-144	-8.6E+01 +/- 7.2E+01	7.3E+01	2.8E+02	e .	*	
	Co-57	9.1E+00 +/- 8.9E+00	8.9E+00	3.0E+01	1		
	Co-58	-3.1E+01 +/- 2.3E+01	2.3E+01	1.0E+02	, 1.3E+02		
	Co-60	1.1E+01 +/- 1.7E+01	1.7E+01	6.2E+01	1.3E+02	• :	•
	Cr-51	-4.8E+02 +/- 4.5E+02	4.5E+02	1.8E+03			
	Cs-134	8E+00 +/- 1.6E+01	1.6E+01	5.9E+01	1.3E+02		
	Cs-137	2E+01 +/- 1.7E+01	1.7E+01	5.8E+01	1.3E+02		
	Fe-59	1.9E+01 +/- 4.9E+01	4.9E+01	2.0E+02	2.6E+02		
	I-131	2.3E+03 +/- 2.1E+03	2.1E+03	7.2E+03	•		
	K-40	2.31E+03 +/- 3.8E+02	3.9E+02	6.8E+02	,	bc	
	La-140	-3.2E+02 +/- 3.9E+02	3.9E+02	1.9E+03	•		
	Mn-54	-7E+00 +/- 1.3E+01	1.3E+01	5.7E+01	1.3E+02		
	Nb-95	-9.5E+01 +/- 5.1E+01	5.1E+01	2.2E+02	•	. \	
Ţ	Ru-103	3.5E+01 +/- 3.5E+01	3.5E+01	1.2E+02			•
	Ru-106	-4E+01 +/- 1.3E+02	1,3E+02	5.3E+02			` .
•	Sb-124	-7.3E+01 +/- 5.4E+01	5.5E+01	2.9E+02	•		:
,	Sb-125	2.6E+01 +/- 3.2E+01	3.2E+01	1.1E+02			
	Se-75	-1E+01 +/- 1.8E+01	1.8E+01	7.1E+01	•		
	Zn-65	-3.9E+01 +/- 3.6E+01	3.6E+01	1.6E+02	2.6E+02		•
	Zr-95	-5.4E+01 +/- 4.6E+01	4.6E+01	2.0E+02			

Flags: a The measured MDC is greater than the required MDC

b The activity concentration is greater than three times its one sigma counting uncertainty.

c Peak was found

Reporting Level Ratio:

Approved by

E.M. Moreno

Sample Control & Measurements Supervisor



29 Research Drive Westboro, MA 01581 508-573-6650

Customer

Entergy Operations Inc Indian Point Energy Center 450 Broadway, Suite 1, PO Box 249 Buchanan, NY 10511-0249 Product SR-89, SR-90

Report Date 13

12/18/06

Receipt Date 09/29/06

Attn: Pat Donahue

		Reference	Analysis		Activity Concentration +/- 1-Sigma	TPU 1 Sigma	Measured MDC	Required MDC	Reporting
LSN	Client ID & Description	Date	Date	Nuclide	(pCl/kg)	(pCi/kg)	(pCi/kg)	(pCi/kg)	Flags Level Ratio
Fish									
L11460-03	IP 06-577 IP CAT FISH	08/06/2006	11/22/2006	Sr-89	-5.2E+02 +/- 2.1E+02	2.1E+02	1.1E+03	•	
L11460-03	IP 06-577 IP CAT FISH	08/06/2006	12/09/2006	Sr-90	-1E+00 +/- 1.9E+00	1.9E+00	6.4E+00	5.0E+00	a #
L11460-05	IP 06-579 IP AMERICAN EEL	08/06/2006	11/22/2006	Sr-89	-1.5E+02 +/- 2.6E+02	2.6E+02	1.1E+03		• .
L11460-05	IP 06-579 IP AMERICAN EEL	08/06/2006	12/10/2006	Sr-90	2.3E+00 +/- 2.2E+00	2.2E+00	7.1E+00	5.0E+00	a #
L11460-06	IP 06-580 IP BLUE CRAB	08/06/2006	11/22/2006	Sr-89	1.7E+02 +/- 3.2E+02	3.2E+02	1.2E+03		
L11460-06	P 06-580 IP BLUE CRAB	08/06/2006	12/08/2006	Sr-90	4.5E+00 +/- 1.7E+00	1.8E+00	5.7E+00	5.0E+00	a #
L11460-09	IP 06-583 ROSETON CAT FISH	08/06/2006	11/22/2006	Sr-89	-2.3E+02 +/- 2.4E+02	2.5E+02	1.1E+03		
L11460-09	IP 06-583 ROSETON CAT FISH	08/06/2006	12/10/2006	Sr-90	2.4E+00 +/- 2.3E+00	2.3E+00	7.6E+00	5.0E+00	a #
L11460-10	IP 06-584 ROSETON STRIPED BASS	08/06/2006	11/22/2006	Sr-89	 -3.4E+02 +/- 2.1E+02	2.1E+02	1.0E+03		
L11460-10	) IP 06-584 ROSETON STRIPED BASS	08/06/2006	12/07/2006	Sr-90	2.1E+00 +/- 1.3E+00	1.3E+00	4.2E+00	5.0E+00	
L11460-11	IP 06-585 ROSETON AMERICAN EEL	08/06/2006	11/22/2006	Sr-89	1.5E+02 +/- 2.4E+02	2.4E+02	9.3E+02		
L11460-11	IP 06-585 ROSETON AMERICAN EEL	08/06/2006	12/07/2006	Sr-90	3.5E+00 +/- 1.3E+00	1.3E+00	4.3E+00	5.0E+00	

Flags:

a The measured MDC is greater than the required MDC.

b The activity concentration is greater than three times its one sigma counting uncertainty.

# MDC not met due to insufficient sample (edible fish) received from client.

E! M. Moreno

Sample Control & Measurements Supervisor

Approved by

c: Barrie Gorman



29 Research Drive Westboro, MA 01581 508-573-6650

Customer

Entergy Operations Inc Indian Point Energy Center 450 Broadway, Suite 1, PO Box 249 Buchanan, NY 10511-0249 Product SR-89, SR-90

Report Date 01/09/07

Receipt Date 09/29/06

Attn: Pat Donahue

		Reference	Analysis			Activity Concentration +/- 1-Sigma	TPU 1 Sigma	Measured MDC	Required MDC	Danasias
LSN	Client ID & Description	Date	Date	Nuclide	<i>i</i>	(pCi/kg)	(pCi/kg)	(pCi/kg)	(pCi/kg)	Reporting Flags Level Ratio
<u>Fish</u>										
L11460-01	IP 06-575 IP WHITE PERCH	08/06/2006	12/15/2006	Sr-89		5.9E+02 +/- 5.6E+02	5.6E+02	2.0E+03	÷	
L11460-01	IP 06-575 IP WHITE PERCH	08/06/2006	12/27/2006	Sr-90	•	1.88E+01 +/- 2.9E+00	3.1E+00	9.0E+00	5.0E+00	ab
L11460-07	IP 06-581 ROSETON WHITE PERCH	08/06/2006	12/15/2006	Sr-89		1.5E+02 +/- 4.7E+02	4.7E+02	1.9E+03		
L11460-07	IP 06-581 ROSETON WHITE PERCH	08/06/2006	12/27/2006	Sr-90		2.45E+01 +/- 2.9E+00	3.2E+00	8.7E+00	5.0E+00	ab
L11460-08	IP 06-582 ROSETON SUN FISH	08/06/2006	12/15/2006	Sr-89		1.5E+02 +/- 4.8E+02	4.8E+02	1.9E+03		
L11460-08	IP 06-582 ROSETON SUN FISH	08/06/2006	12/28/2006	Sr-90		1.71E+01 +/- 3.1E+00	3.2E+00	9.6E+00	5.0E+00	ab
L11460-12	IP 06-586 ROSETON BLUE CRAB	08/06/2006	12/15/2006	Sr-89		-2.9E+02 +/- 5.0E+02	5.0E+02	2.2E+03		_
L11460-12	IP 06-586 ROSETON BLUE CRAB	08/06/2006	12/28/2006	Sr-90		1.36E+01 +/- 3.6E+00	3.7E+00	1.1E+01	5.0E+00	ab

Flags:

a The measured MDC is greater than the required MDC.

b The activity concentration is greater than three times its one sigma counting uncertainty.

c: Barrie Gorman

Dave Baker

Michele DuBois

Pete Hollenbeck

Approved by

E. M. Moreno

Sample Control & Measurements Supervisor



29 Research Drive Westboro, MA 01581 508-573-6650

Customer

Attn: Pat Donahue

Entergy Operations Inc Indian Point Energy Center 450 Broadway, Suite 1, PO Box 249 Buchanan, NY 10511-0249 Product SR-89, SR-90

Report Date

12/22/06

Receipt Date

09/29/06

LSN Client ID & Description	Reference Date	Analysis Date	Nuclide	•	ncentration 1-Sigma Ci/kg)	TPU 1 Sigma (pCi/kg)	Measured MDC (pCl/kg)	Required MDC (pCi/kg)	Reporting Flags Level Ratio
<u>sh</u>									
11460-02 IP 06-576 IP SUN FISH	08/06/2006	11/22/2006	Sr-89	5E+02	+/- 1.1E+03	1.1E+03	4.1E+03		
11460-02 IP 06-576 IP SUN FISH	08/06/2006	12/15/2006	Sr-90	1.02E+01	+/- 4.7E+00	4.7E+00	1.5E+01	5.0E+00	a #
11460-04 IP 06-578 IP STRIPED BASS	08/06/2006	11/22/2006	Sr-89	3.8E+02	+/- 6.9E+02	6.9E+02	2.6E+03		
11460-04 IP 06-578 IP STRIPED BASS	08/06/2006	12/13/2006	Sr-90	4.2E+00	+/- 2.6E+00	2.6E+00	8.5E+00	5.0E+00	a #

Flags:

a The measured MDC is greater than the required MDC.

b The activity concentration is greater than three times its one sigma counting uncertainty.

# MDC not met due to insufficient sample (edible fish) received from client.

Approved by

E. M. Moreno

Sample Control & Measurements Supervisor

c: Barrie Gorman

Dave Baker

Michele DuBois

Pete Hollenbeck



#### **Environmental Laboratory Analysis Report** 29 Research Drive

Westboro, MA 01581 508-573-6650

Customer Entergy Operations Inc

Michele DuBois Attention

Report Date

08/10/07

08/02/07 Receipt Date

Entergy Operations Inc.

Entergy Nuclear Fitzpatrick, LLC PO Box 110, 268 Lake Road

Lycoming, NY 13093

Lab. Sample No.

L12763-09

Client ID

IFH252407S4 IPEC WHITE PERCH

Product GAMMA SPECTROMETRY

Reference Date 06/06/07 **Analysis Date** 08/09/07 Matrix Fish

	Nuclide	Activity Concentration +/- 1 - Sigma	TPU 1 Sigma	Measured MDC	Required MDC	Flags
		(pCi/kg)	(pCi/kg)	(pCi/kg)	(pCi/kg)	
	AcTh-228	-2E+00 +/- 2.6E+01	2.6E+01	9.7E+01		
	Ag-108m	-4.4E+00 +/- 5.4E+00	5.4E+00	2.1E+01		
•	Ag-110m	0E+00 +/- 1.1E+01	1.1E+01	4.1E+01		
•	Ba-140	-2.5E+02 +/- 1.7E+02	1.7E+02	8.0E+02		
	Be-7	1.1E+02 +/- 1.2E+02	1.2E+02	4.1E+02		
	Ce-141	-9.2E+01 +/- 3.2E+01	3,2E+01	1.2E+02		
	Ce-144	-5.9E+01 +/- 4.1E+01	4.1E+01	1.5E+02		
	Co-57	4.6E+00 +/- 5.3E+00	5.3E+00	1.8E+01		
	Co-58	-1.2E+01 +/- 1.0E+01	1.0E+01	4.3E+01	1.3E+02	
	Co-60	-4.6E+00 +/- 7.4E+00	7.4E+00	3.0E+01	1.3E+02	
	Cr-51	1.1E+02 +/- 2.6E+02	2.6E+02	9.0E+02		· ·
	Cs-134	1.02E+01 +/- 8.5E+00	8.5E+00	2.9E+01	1.3E+02	
•	Cs-137	7.2E+00 +/- 6.9E+00	6.9E+00	2.4E+01	1.3E+02	
	Fe-59	-4.6E+01 +/- 3.9E+01	3.9E+01	1.6E+02	2.6E+02	·
	I-131	2E+02 +/- 1.6E+03	1.6E+03	5.8E+03		
	K-40	2.95E+03 +/- 2.3E+02	2.7E+02	3.3E+02	•	bc
	La-140	-2.9E+02 +/- 1.9E+02	1.9E+02	9.2E+02		
	Mn-54	7.4E+00 +/- 8.1E+00	8.2E+00	2.8E+01	1.3E+02	
	Nb-95	2.5E+01 +/- 2.2E+01	2.2E+01	7.7E+01	•	•
	Ru-103	-1E+00 +/- 2.0E+01	2.0E+01	7.4E+01		
	Ru-106	-4.3E+01 +/- 6.7E+01	6.7E+01	2.6E+02	•	
	Sb-124	-8E+00 +/- 3.0E+01	3.0E+01	1.2E+02		
	Sb-125	-9E+00 +/- 1.7E+01	1.7E+01	6.4E+01		
	Se-75	-5E+00 +/- 1.1E+01	.1.1E+01	3.9E+01		
	Zn-65	-4.2E+01 +/- 1.8E+01	1.8E+01	7.8E+01	2.6E+02	
	Zr-95	3.2E+01 +/- 2.1E+01	2.1E+01	7.0E+01		
		0.0	•			

Flags: a The measured MDC is greater than the required MDC

b The activity concentration is greater than three times its one sigma counting uncertainty.

c Peak was found

Reporting Level Ratio:

C.A. Shelton

Sample Control & Measurements Lead

Crystal Boucher Dave Baker

Page 1 of 1

Results are only applicable to the sample as received at the laboratory. Report should not be reproduced unless in its entirety.



29 Research Drive Westboro, MA 01581 508-573-6650

Customer

Entergy Operations Inc
Entergy Nuclear Fitzpatrick, LLC
PO Box 110, 268 Lake Road
Lycoming, NY 13093
Attn: Michele DuBois

Product SR-89, SR-90

Report Date 10/05/07
Receipt Date 08/02/07

		Reference	Analysis		Activity C	oncentration 1-Sigma	TPU 1 Sigma	Measured MDC	Required MDC	Reporting
LSN	Client ID & Description	Date	Date	Nuclide	(	oCi/kg)	(pCl/kg)	(pCl/kg)	(pCl/kg)	Flags Level Ratio
<u>Fish</u>								•		
L12763-04	IFH232407S4 ROSETON CATFISH	06/07/2007	09/28/2007	Sr-89	-6E+01	+/- 1.5E+02	1.5E+02	6.6E+02		
L12763-04	IFH232407S4 ROSETON CATFISH	06/07/2007	10/05/2007	Sr-90	-7E-01	+/- 1.6E+00	1.6E+00	5.2E+00	5.0E+00	a
L12763-05	FH232407S5 ROSETON WHITE PERCH	06/07/2007	09/26/2007	Sr-89	1.1E+02	2 +/- 2.8E+02	2.8E+02	1.1E+03		
L12763-05	FH232407S5 ROSETON WHITE PERCH	06/07/2007	10/04/2007	Sr-90	1E+00	+/- 2.5E+00	2.5E+00	8.3E+00	5.0E+00	a
L12763-09	IFH252407S4 IPEC WHITE PERCH	06/06/2007	09/28/2007	Sr-89	3E+0	+/- 2.4E+02	2.4E+02	1.0E+03	•	
L12763-09	IFH252407S4 IPEC WHITE PERCH	06/06/2007	10/04/2007	Sr-90	1E+00	) +/- 2.6E+00	2.6E+00	8.6E+00	5.0E+00	a
L12763-10	IFH252407S3 IPEC CATFISH	06/08/2007	09/28/2007	Sr-89	5E+0	+/- 2.1E+02	2.1E+02	8.6E+02		
L12763-10	IFH252407S3 IPEC CATFISH	06/08/2007	10/05/2007	Sr-90	0E+00	) +/- 2.3E+00	2.3E+00	7.7E+00	5.0E+00	a
L12763-13	FHCAT2607S1 CATSKILL SUNFISH	06/19/2007	09/28/2007	Sr-89	-1.2E+0	2 +/- 1.6E+02	1.6E+02	7.6E+02		
L12763-13	B IFHCAT2607S1 CATSKILL SUNFISH	06/19/2007	10/04/2007	Sr-90	1.7E+00	) +/- 2.0E+00	2.0E+00	6.6E+00	5.0E+00	a

Flags:

a The measured MDC is greater than the required MDC.

b The activity concentration is greater than three times its one sigma counting uncertainty.

Samples were re-processed with additional cleanup steps to eliminate contaminants.

c: Crystal Boucher

Dave Baker

C.A. Shelton

Approved by



29 Research Drive Westboro, MA 01581 508-573-6650

Customer

Entergy Operations Inc
Entergy Nuclear Fitzpatrick, LLC
PO Box 110, 268 Lake Road
Lycorning, NY 13093
Attn: Michele DuBois

Product SR-89, SR-90

Report Date 10/05/07

Receipt Date 08/02/07

		Reference	Analysis		Activity +/-	Concentration 1-Sigma	TPU 1 Sigma	Measured MDC	Required MDC	Reporting
LSN	Client ID & Description	Date	Date	Nuclide	·	(pCi/kg)	(pCi/kg)	(pCi/kg)	(pCl/kg)	Flags Level Ratio
<u>Fish</u>										
L12763-12	IFH252407S2 IPEC STRIPED BASS	06/07/2007	09/28/2007	Sr-89 .	9E-	+/- 2.1E+02	2.1E+02	8.8E+02	:	
L12763-12	IFH252407S2 IPEC STRIPED BASS	06/07/2007	10/03/2007	Sr-90	-2.6E-	+00 +/- 1.8E+00	1.8E+00	6.0E+00	5.0E+00	a
L12763-14	IFHCAT2407S2 CATSKILL AMERICAN EE	06/07/2007	09/28/2007	Sr-89	-1.4E-	+02 +/- 1.6E+02	1.7E+02	7.9E+02		
L12763-14	IFHCAT2407S2 CATSKILL AMERICAN EE	06/07/2007	10/04/2007	Sr-90	-3.7E	+00 +/- 2.0E+00	2.0E+00	6.8E+00	5.0E+00	a ·
L12763-17	IFHCAT2407S5 CATSKILL CARP	06/07/2007	09/28/2007	Sr-89	5E-	+01 +/- 2.0E+02	2.0E+02	8.3E+02		
L12763-17	/ IFHCAT2407S5 CATSKILL CARP	06/07/2007	10/03/2007	Sr-90	-1.8E-	+00 +/- 1.8E+00	1.8E+00	6.1E+00	5.0E+00	a

Flags:

Samples were re-processed with additional cleanup steps to eliminate contaminants.

c: Crystal Boucher

Dave Baker

2/100

C.A. Shelton

a The measured MDC is greater than the required MDC.

b The activity concentration is greater than three times its one sigma counting uncertainty.



29 Research Drive Westboro, MA 01581 508-573-6650

Customer

Entergy Operations Inc Entergy Nuclear Fitzpatrick, LLC PO Box 110, 268 Lake Road Lycoming, NY 13093 Attn: Michele DuBois Product SR-89, SR-90

Report Date 1

10/05/07

Receipt Date 08/02/07

		Reference	Analysis		Activity Concentration +/- 1-Sigma	TPU 1 Sigma	Measured MDC	Required MDC	Reporting
LSN	Client ID & Description	Date	Date	Nuclide	(pCi/kg)	(pCi/kg)	(pCi/kg)	(pCi/kg)	Flags Level Ratio
<u>Fish</u>							:		
L12763-02	IFH232507S2 ROSETON SUNFISH	06/13/2007	09/28/2007	Sr-89	-1.7E+02 +/- 1.7E+02	1.7E+02	8.4E+02		
L12763-02	IFH232507S2 ROSETON SUNFISH	06/13/2007	10/03/2007	Sr-90	-2E+00 +/- 2.2E+00	2.2E+00	7.2E+00	5.0E+00	a
L12763-08	IFH252407S5 IPEC CARP	06/08/2007	09/28/2007	Sr-89	8E+01 +/- 2.2E+02	2.2E+02	9.0E+02		
L12763-08	IFH252407S5 IPEC CARP	06/08/2007	10/03/2007	Sr-90	-1.9E+00 +/- 2.0E+00	2.0E+00	6.8E+00	5.0E+00	a
L12763-11	IFH252507S1 IPEC AMERICAN EEL	06/13/2007	09/28/2007	Sr-89	1.8E+02 +/- 1.9E+02	1.9E+02	7.6E+02		
L12763-11	IFH252507S1 IPEC AMERICAN EEL	06/13/2007	10/04/2007	Sr-90	1E+00 +/- 2.0E+00	2.0E+00	6.6E+00	5.0E+00	a

Flags:

a The measured MDC is greater than the required MDC.

b The activity concentration is greater than three times its one sigma counting uncertainty.

Samples were re-processed with additional cleanup steps to eliminate contaminants.

c: Crystal Boucher

Dave Baker

Approved by

C.A. Shelton



29 Research Drive Westboro, MA 01581 508-573-6650

Customer

Entergy Operations Inc Entergy Nuclear Fitzpatrick, LLC PO Box 110, 268 Lake Road Lycoming, NY 13093

Attn: Michele DuBois

Product SR-89, SR-90

Report Date 10/10/07
Receipt Date 08/02/07

		Reference	Analysis	-	Activity Concentration +/- 1-Sigma	TPU 1 Sigma	Measured MDC	Required MDC	Reporting
LSN	Client ID & Description	Date	Date	Nuclide	(pCi/kg)	(pCi/kg)	(pCi/kg)	(pCi/kg)	Flags Level Ratio
<u>Fish</u>									
L12763-01	IFH232407S1 ROSETON AMERICAN EEL	06/07/2007	09/26/2007	Sr-89	-1.7E+02 +/- 2.2E+02	2.2E+02	1.0E+03		
L12763-01	IFH232407S1 ROSETON AMERICAN EEL	06/07/2007	10/06/2007	Sr-90	1.2E+00 +/- 2.2E+00	2.2E+00	7.2E+00	5.0E+00	<b>а</b>
L12763-03	IFH232407S3 ROSETON CARP	06/07/2007	09/28/2007	Sr-89	2.2E+02 +/- 3.9E+02	3.9E+02	1.6E+03	•	•
L12763-03	IFH232407S3 ROSETON CARP	06/07/2007	10/05/2007	Sr-90	-3.2E+00 +/- 2.9E+00	2.9E+00	9.5E+00	5.0E+00	a
L12763-07	IFH252407S6 IPEC CRABS	06/06/2007	09/28/2007	Sr-89	4.6E+02 +/- 3.7E+02	3.7E+02	1.4E+03	•	
L12763-07	IFH252407S6 IPEC CRABS	06/06/2007	10/05/2007	Sr-90	6.5E+00 +/- 2.2E+00	2.2E+00	7.1E+00	5.0E+00	a
L12763-15	IFHCAT2407S3 CATSKILL WHITE PERCH	06/07/2007	09/28/2007	Sr-89	4E+01 +/- 3.2E+02	3.2E+02	1.3E+03		
L12763-15	IFHCAT2407S3 CATSKILL WHITE PERCH	06/07/2007	10/05/2007	Sr-90	4.4E+00 +/- 2.4E+00	2.4E+00	7.9E+00	5.0E+00	a
L12763-16	IFHCAT2407S4 CATSKILL CATFISH	06/07/2007	09/28/2007	Sr-89	1E+01 +/- 2.8E+02	2.8E+02	1,2E+03		•
L12763-16	IFHCAT2407S4 CATSKILL CATFISH	06/07/2007	10/05/2007	Sr-90	-2.7E+00 +/- 2.4E+00	2.4E+00	7.8E+00	5.0E+00	a

Flags:

Samples were re-processed with additional cleanup steps to eliminate contaminants.

c: Crystal Boucher

Dave Baker

1)(0)

Approved\_by

C.A. Shelton

a The measured MDC is greater than the required MDC.

b The activity concentration is greater than three times its one sigma counting uncertainty.



29 Research Drive Westboro, MA 01581 508-573-6650

Customer

Entergy Operations Inc Entergy Nuclear Fitzpatrick, LLC PO Box 110, 268 Lake Road Lycoming, NY 13093

Attn: Michele DuBois

Product SR-89, SR-90

Report Date 10/17/07

Receipt Date 08/02/07

		Reference	Analysis			Activity Concentration +/- 1-Sigma	TPU 1 Sigma	Measured MDC	Required MDC	Reporting
LSN	Client ID & Description	Date	Date	Nuclide	٠.	(pCi/kg)	(pCi/kg)	(pCi/kg)	(pCi/kg)	Flags Level Ratio
<u>Fish</u>										
L12763-0	6 IFH252507S7 IPEC SUNFISH	06/11/2007	09/28/2007	Sr-89		-7.1E+02 +/- 6.0E+02	6.0E+02	2.9E+03		
L12763-0	6 IFH252507S7 IPEC SUNFISH	06/11/2007	10/08/2007	Sr-90		2.8E+00 +/- 4.1E+00	4.1E+00	1.4E+01	5.0E+00	a .

Flags:

a The measured MDC is greater than the required MDC.

b The activity concentration is greater than three times its one sigma counting uncertainty.

Sample was re-processed with additional cleanup steps to eliminate contaminants.

c: Crystal Boucher

Dave Baker

C.A. Shelton