



**TELEDYNE
BROWN ENGINEERING, INC.**
A Teledyne Technologies Company
2508 Quality Lane
Knoxville, TN 37931-3133
865-690-6819

Zoe Cox
Byron Station
Exelon Nuclear
4450 N. German Church Road
Byron, IL 61010

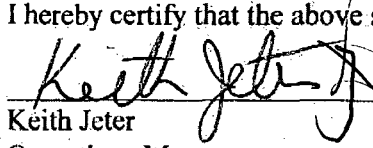
Report of Analysis/Certificate of Conformance

LIMS #: L33794 12/03/2007
 Project ID# EX001-3ESPBYPYRON-06
 Received: 11/30/2007
 Delivery Date 12/07/2007
 P.O.#: 01000298 REL.#00011
 Release #
 SDG#:

This is to certify that Teledyne Brown Engineering - Environmental Services located at 2508 Quality Lane, Knoxville, Tennessee, 37931, has analyzed, tested and documented samples, as received by the laboratory, as specified in the applicable purchase order.

This also certifies that requirements of applicable codes, standards and specifications have been fully met and that any quality assurance documentation which verified conformance to the purchase order is on file and may be examined upon request.

I hereby certify that the above statements are true and correct.


 Keith Jeter
 Operations Manager

Cross Reference Table

Client ID	Laboratory ID	Station ID (if applicable)
BY-AR-3	L33794-1	BY-AR-3

Method Reference Numbers

Matrix	Analysis	Method Reference
WG	H-3 (DIST)	EPA 906.0

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N-17

Report of Analysis

12/03/07 10:49

L33794

Byron Station

EX001-3ESPBYRON-06



Sample ID: BY-AR-3	Collect Start: 11/27/2007 13:30	Matrix: Ground Water (WG)
Station: BY-AR-3	Collect Stop: 11/27/2007 13:30	Volume:
Description:	Receive Date: 11/30/2007	% Moisture:
LIMS Number: L33794-1		

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values
H-3 (DIST)	2011	1.18E+03	2.03E+02	2.54E+02	pCi/L		10	ml		11/30/07	50.62	M	+ High

Flag Values

- U = Compound/Analyte not detected or less than 3 sigma
- + = Activity concentration exceeds MDC and 3 sigma; peak identified(gamma only)
- U* = Compound/Analyte not detected. Peak not identified, but forced activity concentration exceeds MDC and 3 sigma
- High = Activity concentration exceeds customer reporting value
- Spec = MDC exceeds customer technical specification
- L = Low recovery
- H = High recovery

Bolded text indicates reportable value.

- No = Peak not identified in gamma spectrum
- Yes = Peak identified in gamma spectrum
- **** Results are reported on an as received basis unless otherwise noted.

MDC - Minimum Detectable Concentration

L33794

Byron Generating Station

Sample Collection/Receipt Sheet

Groundwater Samples

EXELON NUCLEAR

Lab. No.	Client ID	Station Code	Sample Medium	Start date	Start time	Stop date	Stop time	Sample Size	Analysis	Comments
	BY-AR-3	BY-	GW	11/27/2007	13:30	11/27/2007	13:30	250 mL	II-3 (DIST)	Resample

Collected by: T. Goran (unless otherwise noted)
Shipped by: FedEx [Signature]
Received by: [Signature: Pat Marshall]

Date: 11/27/2007
Date: 11/29/2007
Date: 11/30/07

11/30/07 14:07

Teledyne Brown Engineering
Sample Receipt Verification/Variance Report

SR #: SR15916

Client: Exelon

Project #: EX001-3ESPBYPON-06

LIMS #: L33794

Initiated By: ~~EMARSHALL~~
Init Date: 11/30/07 Receive Date: 11/30/07

Notification of Variance

Person Notified: _____ Contacted By: _____
Notify Date: _____
Notify Method: _____
Notify Comment: _____

Client Response

Person Responding: _____
Response Date: _____
Response Method: _____
Response Comment: _____

Criteria	Yes	No	NA	Comment
1 Shipping container custody seals present and intact.			NA	
2 Sample container custody seals present and intact.			NA	
3 Sample containers received in good condition	Y			
4 Chain of custody received with samples	Y			
5 All samples listed on chain of custody received	Y			
6 Sample container labels present and legible.	Y			
7 Information on container labels correspond with chain of custody	Y			
8 Sample(s) properly preserved and in appropriate container(s)			NA	
9 Other (Describe)			NA	

Raw Data Sheet (rawdata)
Dec 03 2007, 10:49 am

Work Order: L33794

Customer: Exelon

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Nuclide: H-3 (DIST)

Project: EX001-3ESPBYRON-06

Sample ID	Run #	Analysis	Reference Date/time	Volume/ Aliquot	Scavenge Date/time	Milking Date/time	Mount Weight	Count Date/time	Counter ID	Total counts	Sample dt	Bkg counts	Bkg dt	Eff. Factor	Decay & Ingrowth	Analyst
L33794-1		B-3 DIST		10 ml			0	30-nov-07 23:49	LS7	375	50.62 (M)	2.55 (M)	90 (M)	.186		DW
BY-AR-3																
Activity: 1.18E+03 * Error: 2.03E+02 MDC: 2.54E+02 pCi/L																