

8-4-84

Docket: 50-445

Texas Utilities Electric Company
ATTN: M. D. Spence, President, TUGCO
Skyway Tower
400 North Olive Street
Lock Box 81
Dallas, Texas 75201

Gentlemen:

This refers to the results of confirmatory measurements performed by your radiochemistry laboratory on a liquid "unknown" sample supplied upon request with known isotopic activities by the NRC's reference laboratory, Radiological and Environmental Sciences Laboratory (RESL) in Idaho Falls, Idaho. The sample was sent to your laboratory in conjunction with an NRC confirmatory measurements inspection conducted in January 1984. The isotopic activities used by RESL in the preparation of the liquid sample were traceable to the National Bureau of Standards radioactivity measurements systems by laboratory intercomparisons. The comparative analysis results are tabulated below for your review. These results will appear in the next NRC confirmatory measurements inspection report.

Attachment 1 explains the criteria used to compare results.

RESL Unknown Liquid Sample
(Standardized 12:00 MDT, August 16, 1983)

<u>Nuclide</u>	<u>TUGCO Result</u> (uCi/ml)	<u>NRC Result</u> ^{1/} (uCi/ml)	<u>TUGCO/NRC</u> <u>Ratio</u>	<u>Comparison</u> <u>Decision</u>
Tritium	5.5E-05	6.19 ± 0.18E-05	0.89	Agreement
⁸⁹ Sr	1.5E-04	2.16 ± 0.04E-04	0.69	Disagreement
⁹⁰ Sr	2.2E-05	3.43 ± 0.10E-05	0.64	Disagreement
⁶⁰ Co	4.5E-06	4.36 ± 0.09E-06	1.03	Agreement
¹³⁷ Cs	2.9E-06	3.34 ± 0.07E-06	0.87	Agreement
¹⁴⁴ Ce	4.5E-06	3.91 ± 0.12E-06	1.15	Agreement

1/ NRC results were taken from the standard certificate supplied to the Region IV office as prepared by RESL and traceable to the National Bureau of Standards.

FRPS *[Signature]* Nicholas;df 7/17/84
 FRPS *[Signature]* Murray 7/17/84
 EP&RPB *[Signature]* REHalt 7/18/84
 DRS&S *[Signature]* RL Bangart 07/18/84
 TLTF *[Signature]* DHuntcutt 07/18/84
 DRSP *[Signature]* RDenise 7/20/84
 NRA *[Signature]* J. Dolito 8/2/84
concern per RLD

IEDP
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Should you have any questions concerning this letter, we will be pleased to discuss them with you.

Sincerely,

Richard L. Bangart

Richard L. Bangart, Director
Region IV Comanche Peak Task Force

Attachment:
As Stated

cc w/attachment:
Texas Utilities Electric Company
ATTN: B. R. Clements, Vice
President, Nuclear
Skyway Tower
400 North Olive Street
Lock Box 81
Dallas, Texas 75201

Texas Utilities Electric Company
ATTN: H. C. Schmidt, Manager
Nuclear Services
Skyway Tower
400 North Olive Street
Lock Box 81
Dallas, Texas 75201

Texas Utilities Generating Company
ATTN: Mr. R. A. Jones, Manager
Plant Operations
P. O. Box 2300
Glen Rose, Texas 76043

Texas Utilities Generating Company
ATTN: Mr. R. D. Delano, Chemistry and
Environmental Engineer
P. O. Box 2300
Glen Rose, Texas 76043

bcc to DMB (IE06)

bcc distrib. by RIV:

RPB1

RPB2

~~RPB~~ ~~EP~~ ~~RPB~~

J. Collins, RA

R. Bangart, FRPS

B. Murray, FRPS

RIV File

D. Kelley, SRI-Ops
Section Chief (RPS-B)
R. Denise, DRRP&EP
S. Treby, ELD
B. Nicholas, FRPS
Juanita Ellis
David Preister

