

OAK RIDGE NATIONAL LABORATORY

OPERATED BY MARTIN MARIETTA ENERGY SYSTEMS, INC.

POST OFFICE BOX Y
OAK RIDGE, TENNESSEE 37831

July 6, 1984

Mr. Gunter Arndt
Mechanical/Structural Engineering Branch
Division of Engineering Technology
NL 238
Office of Nuclear Regulatory Research
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Dear Gunter:

This letter summarizes our program on the Containment Leak Rate Testing Investigations (Fin. No. B0489) for the month of June 1984.

Technical Highlights

A series of computer runs was conducted to determine differences in the containment temperature term between the ANSI/ANS and EXTRAN formulations. In the study spatial distributions ranging from 60° to 200°F were investigated. Results of this investigation were presented at an Advisory Committee on Reactor Safeguards meeting.

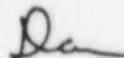
Time and cost requirements related to providing sufficient input for the NRC staff to determine whether, and under what conditions, a containment integrated leak rate test can account for ambient diurnal effects on some basis other than running the test for a full 24 hour period, are being established.

Expenditures

	<u>Prior Fys</u>	<u>Oct.</u>	<u>Nov.</u>	<u>Dec.</u>	<u>Jan.</u>	<u>Feb.</u>	<u>Mar.</u>	<u>Apr.</u>	<u>May</u>	<u>June</u>
Expenditure (\$K)	112	9	13	3	0	3	2	0	0	4*
Cumulative (\$K)	112	121	134	137	137	140	142	142	142	146

*Estimated

Sincerely,



D. J. Naus

DJN:ege

8506180022 850325
PDR FOIA
REYTB LAB5-143 PDR

FOIA-84-143

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Date 10/15/84

ROUTING AND TRANSMITTAL SLIP

TO: (Name, office symbol, room number, building, Agency/Post)	Initials	Date
1. <u>J. Shapaker, CSB</u>		
2.		
3.		
4.		
5.		

Action	File	Note and Return
Approval	For Clearance	Per Conversation
As Requested	For Correction	Prepare Reply
Circulate	For Your Information	See Me
Comment	Investigate	Signature
Coordination	Justify	

REMARKS

As mentioned before, Quadrex is being singularly unresponsive to ORNL's repeated requests for what it would cost to answer the 10 diurnal effect equations CSB would like answered. Therefore, unless you have other suggestions, I have directed ORNL to discontinue this effort. Please respond, agree or not.

DO NOT use this form as a RECORD of approvals, concurrences, disposals, clearances, and similar actions

FROM: (Name, org. symbol, Agency/Post)	Room No.—Bldg.
<u>G. Arndt, RES</u>	<u>238 NL</u>
	Phone No.
	<u>37860</u>

5041-102

OPTIONAL FORM 43 (Rev. 7-76)
Prescribed by GSA
FPMR (41 CFR) 101-11.606

* GPO: 1983 O - 281-529 (232)

FOIA-85-143

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FIN 30489 Base Contract (D. Naus) FY82 Funding = 150 k

	Oct '83	Nov	Dec	Jan '84	Feb	Mar	April
= port (monthly)	9	13	3	0	3	2	0
cumulative	121	134	137	137	140	142	142
Balance	29	16	13	13	10	8	8

	May	Jun	July	August	Jan 1985
Spent (Monthly)	0	4			
Cumulative	142	146			
Balance	8	4 (3,105)	+ 7933 (transfer)	11,038	11,038