

SEP 19 1989

Dr. Charles G. Interrante, Program Manager
Metallurgy Division - Corrosion Section
National Institute for Standards and Technology
U.S. Department of Commerce
Gaithersburg, MD 20899

Dear Dr. Interrante:

We have reviewed the March 1989 NIST Monthly Letter Report for FIN A-4171, "Evaluation and Compilation of DOE Waste Package Test Data." Comments on the MLR are presented in the enclosure.

Actions resulting from this letter are considered to be within the scope of FIN A-4171. No changes in costs or delivery of contracted products are authorized. Please notify me immediately if you feel this letter will result in additional costs or delay in delivery of contracted products.

Sincerely,



Charles H. Peterson
Engineering Branch, DHLWM
Office of Nuclear Material Safety
and Safeguards

Enclosure: As stated

cc: w/Enc.

Dr. Neville Pugh
Dr. Richard E. Ricker

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CONCURRENCES

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| OFC | :HLEN <i>GP</i> | :HLEN <i>Ran</i> | :HLEN <i>Ran</i> | : | : | : | : |
| NAME | :CHPeterson | :RAWeller | :JOBunting | : | : | : | : |
| DATE | :89/09/15 | :89/09/15 | :89/09/15 | : | : | : | : |

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ENCLOSURE

COMMENTS ON THE MONTHLY LETTER STATUS REPORT
MARCH 1989 (FIN A4171-9)

TASK 3 -- LABORATORY TESTING

A. Crack Propagation Studies

The questions listed here should be addressed in preparing the final report of these studies.

1. Is there some way to quantify the variability of the transducers?
2. What is the minimum detectible signal level?
3. What are the functions of the parts of the code that had to be rewritten?
4. Calibration of the acoustic system is characterized as desirable. It would seem to be necessary.