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December 13, 1994

94-RF-12228

F. R. Lockhart
Environmental Restoration Division
DOE, RFFO

AMOUNT OF PLUTONIUM IN THE SOLAR PONDS OPERABLE UNIT 4 - SRK-232-94

Action: None Required

This letter transmits the value for the total amount of plutonium present in Operable Unit 4 (OU 4) contaminated materials. Please note that our previous, informal transmittal was in error. The error was due to a mistake in setting up the spread sheet used for calculation, and was subsequently discovered by an internal quality check. Unfortunately, the erroneous number was shared with the Technical Review Group (TRG) and Citizen's Advisory Board (CAB). The correct information, with our apologies, should be provided to these groups. The following values are the correct answer to the question "How much plutonium will be left in-place for the proposed remedy for OU 4 Phase I?"

Material	PU-239 grams
Pondcrete	22.5
Clarifier sludge	1.9
A/B/C Sludge	0.34
Liners	0.712
Soils	0.115
Total	25.6 grams

The error in our previous transmittal was completely independent of all design efforts. In the proposed remedy, the sludges and pondcrete will be stabilized to eliminate free liquids, mixed with the liner and soils, and isolated between a ground water drainage layer and an engineered barrier. EG&G continues to support this proposed remedy as protective of human health and the environment, and suitable for presentation to the public for comment in February.

If you would like further information, please call me at 966-8541 or Mark Peters at 966-6992.

S. R. Keith
Program Manager
Solar Pond Projects

KCL:pjm

Orig. and 1 cc - F. R. Lockhart

cc:
S. Howard - DOE, RFFO
M. Witherill - " "

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