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June 29, 1990

TO: Pamela Grubaugh-Littig, Permit Supervisor
FROM: Jess Kelley, Reclamation Engineer *JK*
RE: Erroneous Topsoil and Subsoil Volume Calculations, Utah Power and Light Company, Cottonwood/Wilberg Waste Rock Storage Facility, ACT/015/019, Folder #3, Emery County, Utah

Synopsis

In May 1990, in the course of checking some topsoil and subsoil volume calculations made by the operator, the writer of this memorandum made some errors in his own calculations. The erroneous calculations indicated that the operator could not, during reclamation, supply the needed topsoil and subsoil material with what was available in the permit area.

Since the erroneous calculations were made, an altogether different agreement has been made with the operator regarding the topsoil and subsoil balances. The agreement is in the form of a stipulation under R614-301-231.300 and is noted in a May 31, 1990 memorandum from Henry Sauer to Pamela Grubaugh-Littig. It states that the operator must submit to the Division as-built surveys of the topsoil and subsoil stockpiles within 30 days of their completion. The operator must further amend the topsoil and subsoil survey mass balance tables on Map 7-2 in accordance with these surveys.

Analysis

Since an agreement has been made that is not based on the erroneous volume calculations, it is not necessary to correct the calculations. However, the operator's calculations and measurements, which are subject to the aforementioned stipulation, were checked and found to be correct; at least as

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far as his assumptions about the subsurface conditions of the available topsoil and subsoil are concerned. The measurements and calculations made in checking those of the operator are attached to this memorandum.

Recommendations

It is recommended that the operator's measurements and calculations of topsoil and subsoil mass balances be accepted, subject only to the stipulation made under R614-301-231.300.

JK/djh
AT60/23-24