

SWMUs 72-001 (a-d)

Darlene Goering

From: Darlene Goering [darlene_goering@nmenv.state.nm.us]
Sent: Wednesday, December 24, 2003 8:42 AM
To: Enz, Robert D.; 'edward_hansen@nmenv.state.nm.us'
Cc: David Gregory
Subject: RE: DOE and NMED mtg. notes of 12-15-03

Bob,

This pretty much summarizes our meeting. However, I just wanted to re-emphasize the importance of knowing what the future use will be by the County (specifically, any buildings) and how this will effect the cover design. It's important to note that the cover needs to be protective of future users or the land transfer process (permit modifications, concurrence from state, etc.) can be affected.

Darlene

-----Original Message-----

From: Enz, Robert D. [mailto:renz@doeal.gov]
Sent: Tuesday, December 23, 2003 3:09 PM
To: 'edward_hansen@nmenv.state.nm.us';
'darlene_goering@nmenv.state.nm.us'
Subject: DOE and NMED mtg. notes of 12-15-03

Edward and Darlene,

Per David Gregory's request, I am forwarding a copy of my notes from our informal meeting on 12-15-03. If my notes are inaccurate, please correct me.

<<Airport landfill-NMED mtg notes 12-15-03.doc>>



4904

12/15/03 notes

Edward Hanson & Darlene Goering

10AM

Jeff: I mailed the disk to you at PO Box 51174 with hardcopy of Guidance document

Can model after TA-54 Area J Closure Plan which had temporary surface irrigation lines over 3.3 acres
Hanson likes 18" engineered fill w/ 6" soil "to sustain native plant growth". With 10^{-5} hydraulic conductivity will have good venting, with some lateral migration though most methane has already been produced by the landfill

SWB (Edward Hanson) will technically approve, then HWB will give final approval. Darlene will also follow administrative issues.

Need final use plan from LA County because what NMED does now has to be protective of future use.

HELP Model provided by Hanson with TA-54 Area J as an example.

Contains data from 5 wettest years and is most conservative

Will allow alternate design as well as prescriptive design (i.e., follow what is on disks).

1×10^{-5} hydraulic conductivity although Hanson prefers 5×10^{-5} .

Prefers silty loam rather than sandy clay because of cracking/self-healing aspect.

Plan shows more than what is needed for NMED approval as UC used Na bentonite mixed with fill.

Cover needs to be self healing.

Drainage an important issue, with a <2% grade drainages need to be lined

Side slopes with no > 25 degree grade. Only 1 approved muni landfill with steeper than 25 degree grade and that is City of Santa Fe where they rip-rapped engineered drainage structures and lined the ditches.

Cover design must specify

1. Kind of soils and thicknesses
2. Drainages
3. Final use by LA County
4. Methane monitoring via slam bars in which a probe is placed in slam bar holes.

NMED (Darlene) wonders about septic system PRS 73-001(d). DOE needs to address this issue before cover installed.