1R - 214

APPROVALS

YEAR(S):

2007

Hansen, Edward J., EMNRD

From: Hansen, Edward J., EMNRD
Sent: Friday, July 27, 2007 12:49 PM
To: 'Carolyn Haynes'
Cc: scurtis@riceswd.com; 'Kristin Pope'; Price, Wayne, EMNRD
Subject: RE: Junction Box Upgrade Work Plan Revision

Dear Ms. Haynes:

The NMOCD has reviewed the submitted revision of the ROC "Junction Box Upgrade Work Plan", dated July 23, 2007. The NMOCD hereby approves the revised Plan with the following conditions:

1) Work Plan item #6 shall be edited to read:
"Install as warranted for inhibition of downward migration of impact remaining in-place at closure locations (TPH, BTEX or chlorides), one layer of at least one foot of clay (with a saturated hydraulic conductivity at or less than 1.0e-07 cm / sec and compacted to at least 90% standard Proctor density) or a geosynthetic clay liner (GCL) (with a saturated hydraulic conductivity of less than 5.0e-09 cm / sec) or a 20-mil geomembrane [reinforced linear low-density polyethylene (R-LLDPE) or division-approved equivalent material]. The subgrade shall be appropriately prepared to accept to the clay (compacted); GCL or geomembrane (compacted and free of stones greater than ½ inch in any dimension, protrusions, etc.). The standard Proctor density of the clay layer shall be verified at each site where a clay layer is installed."

2) Work Plan item #7 shall be edited to include the additional language:
"the clay layer or GCL or 20-mil geomembrane shall be covered with at least four feet of compacted (75% to 85% standard Proctor density) soil, including the background thickness of topsoil or at least one foot of suitable material to establish vegetation for the site."

3) Work Plan item #7 shall be edited to include the additional language:
"Line junction area with ~~20-mil poly or~~ compacted clay (with a saturated hydraulic conductivity at or less than 1.0e-07 cm / sec and compacted to at least 90% standard Proctor density) or a geosynthetic clay liner (GCL) (with a saturated hydraulic conductivity of less than 5.0e-09 cm / sec) or a 20-mil geomembrane [reinforced linear low-density polyethylene (R-LLDPE) or division-approved equivalent material] to provide secondary containment for new junction box."

Also, please be advised that NMOCD approval of this plan does not relieve the owner/operator of responsibility should operations pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD approval does not relieve the owner/operator of responsibility for compliance with any OCD, federal, state, or local laws and/or regulations.

If you have questions regarding this matter, please contact me at 505-476-3489.

Edward J. Hansen
Hydrologist
Environmental Bureau

From: Carolyn Haynes [mailto:chaynes@riceswd.com]

Sent: Wednesday, July 25, 2007 5:44 PM
To: Price, Wayne, EMNRD
Cc: scurtis@riceswd.com; 'Kristin Pope'; Hansen, Edward J., EMNRD
Subject: Junction Box Upgrade Work Plan Revision

Dear Wayne,

I want to thank you for the very productive quarterly meeting! Rice is gearing up for a busy schedule.

Attached please find the JB Plan revision that we discussed at the July 18 meeting. It concerns the GCL fabric and the clay layer barrier. This document has also been sent via certified mail.

I included some tech data on the GCL fabric. Should you require additional data, please visit the website named in the information.

If there are any other questions or concerns, please don't hesitate to contact me. Thank you for your consideration in this revision.

Carolyn Doran Haynes
Engineering Manager
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505-393-9174
505-397-1471 (fax)