



UNION CARBIDE CORPORATION
METALS DIVISION

137 - 47TH STREET, P.O. BOX 97, NIAGARA FALLS, N.Y. 14302
TELEPHONE: 716-278-3000
CABLE: TWIX NO. 710-524-166

TECHNOLOGY DEPARTMENT
- ENGINEERING

NRC
WM-20
PDR
Return to 39655

Mr. A. J. Hazle, Director
Hazardous Waste Control Division
Colorado Department of Health
4210 East 11th Street
Denver, CO 80220

Subject: Uravan Tailings Ponds 2 and 3 - File No. 11206

Dear Mr. Hazel:

Dr. G. Castro wrote a report, "Uravan Mill Tailings, Site Visit and Stability Evaluation" dated June 26, 1981, which was subsequently transmitted to Mr. Hazle by Mr. Scarano on August 31, 1981. There were two specific recommendations for remedial action enumerated on Page 6 which UCC has addressed.

Item (a) referred to erosion at the upper part of the tailings slope at the northernmost end of the Pond 2 perimeter. This was repaired by grading the tailings to their original configuration. No change has occurred in this area since the repair was completed in November 1981.

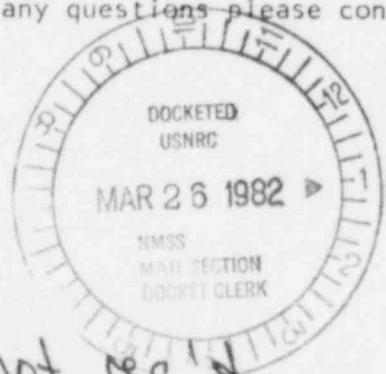
Item (b) noted some minor seepage exiting at several places along the toe of the berm at Pond 3. Dr. Castro suggested installing a transverse perforated pipe to increase the flow capacity within the drainage layer. Our consultants, Acres American Inc., recommended the scheme shown in sketch SF-7835 which differed from Dr. Castro's by having the transverse pipe end near but not be connected directly to the drain pipe. Mr. John Berry of Acres American discussed this change with Dr. Castro and it was agreed that the modified installation would be satisfactory. There were six transverse drains installed along the toe of the berm for Pond 3.

It was also suggested by Dr. Castro that in the event similar seepages were to develop, the installation of additional transverse drains would be in order. Pond 2 developed one seep which was corrected by installing a perforated pipe as shown in the attached sketch SF-7834. The collected seep was independently piped through HDPE pipe to sump number 3. All drainage work was completed by Finley Contracting Company in November 1981.

If you have any questions please contact the undersigned.

Very truly yours,

T. J. Kagetsu
T. J. Kagetsu



TJK/mau
Attachments

FEE EXEMPT

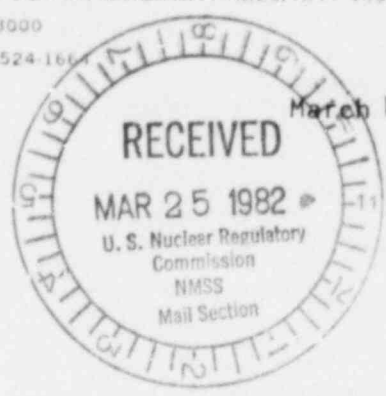
3/25

20258

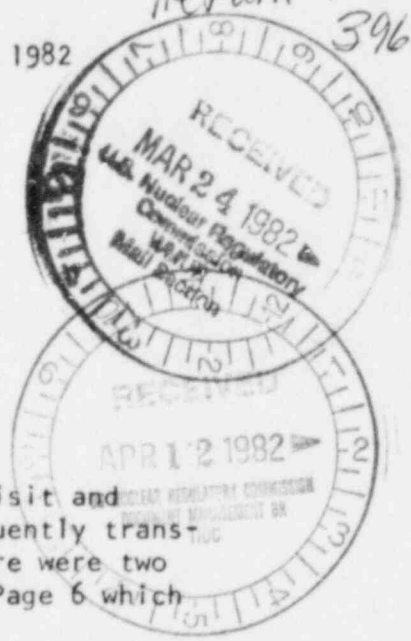
original not rec

8204210645 820311
PDR WASTE
WM-20 PDR

Info Only



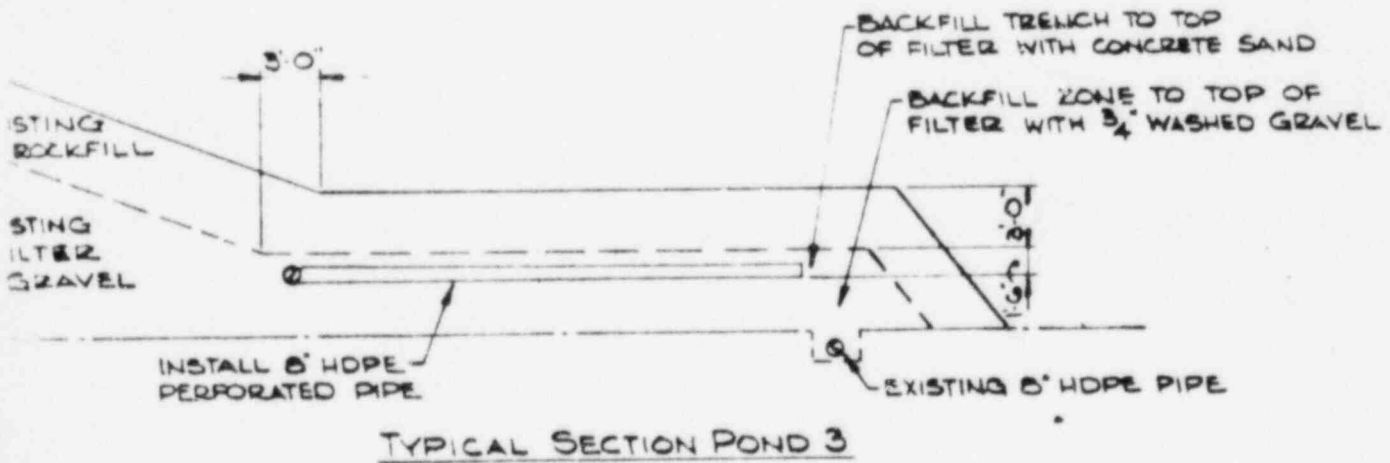
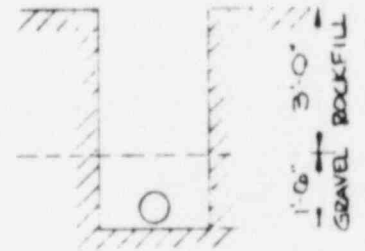
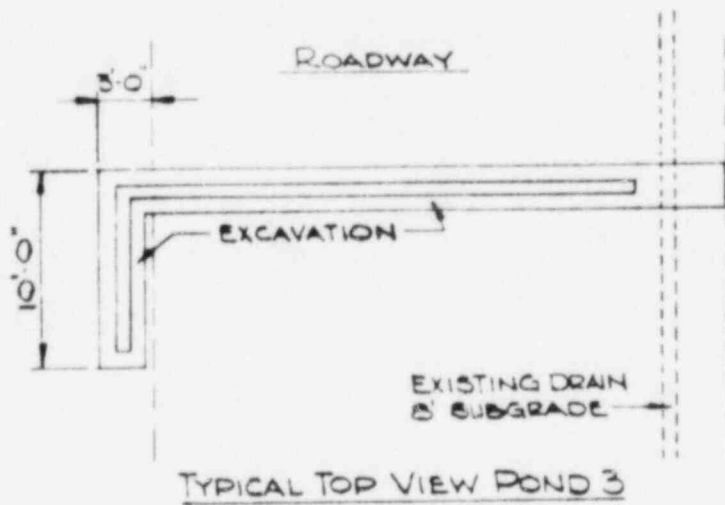
March 11, 1982



UNION CARBIDE CORPORATION METALS DIVISION

DRAWING NUMBER		SF-7835							
930 256	FILE NO	1125	11206						
PLANT	DEPARTMENT	BLDG. NO.	DRAWN BY	CHECKED BY	APPROVED	EX	ACC. ENG.	DATE	DRAWING SCALE
URAVAN			WJB		RKJ		RB	10-15-81	NONE
REV						REV			
REV						REV			

TITLE ADDITIONAL TRANSVERSE DRAINS - POND 3



UNION CARBIDE CORPORATION METALS DIVISION

DRAWING NUMBER		
SF- 7834		
S30 256	FILE NO	
1125	11206	
ACC ENG	DATE	DRAWING SCALE
RB	10-15-81	NONE
REV	REV	
REV	REV	

TITLE: ADDITIONAL DRAIN - POND 2

PLANT	DEPARTMENT	BLOG NO	DRAWN BY	CHECKED BY	APPROVED	EX	ACC ENG	DATE	DRAWING SCALE
URAVAN			WJB		RKJ		RB	10-15-81	NONE
REV	REV								
REV	REV								

