

OCT 06 1987

Waste Management of North
America, Inc.
ATTN: Mr. David R. Miller
32255 Northwestern Highway
Farmington Hills, MI 48018

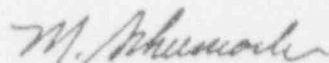
Dear Mr. Miller:

Thank you for your letter of September 22, 1987, regarding sampling to be conducted at your Kawkawlin, Michigan site on November 4, 1987. Mr. Keith Andre and possibly another representative of this office will be present to split samples with you and the Michigan Department of Public Health on that date.

Attached are the results of samples collected by the NRC in 1986. The analyses performed were gross alpha, gross beta, gamma scan, and thorium isotopic for samples with gross alpha exceeding 5 pCi/liter.

Please call me (312 - 790-5514) if you have further questions.

Sincerely,



M. Schumacher, Chief
Radiological Effluents and
Chemistry Section

Attachments:

1. Description of Sampling Locations
2. Map of Sampling Locations
3. Results of 11/5/86 Sampling

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ATTACHMENT 1

Description of Water Sampling Locations

<u>Location*</u>	<u>Description</u>
SP-1	Well inside DNR slurry wall
SP-2	Well outside (west) DNR slurry wall
SP-3	Well outside (north) DNR slurry wall
SP-4	Well outside (east) DNR slurry wall
MW-43	Well between DNR and SCA slurry walls
MW-12	Well near boundary between DNR and SCA sites
INS-1	Well inside SCA slurry wall (south)
UP-1	Well outside SCA slurry wall (south)
INS-2	Well inside SCA slurry wall (west)
DWN-3	Well outside SCA slurry wall (west)
INS-3	Well inside SCA slurry wall (north)
DWN-2	Well outside SCA slurry wall (north)
MW-15	Well outside and west of SCA slurry wall
MW-18	Well outside and east of SCA slurry wall
L1	Surface water from lagoon north of DNR slurry wall
L2	Surface water from lagoon between DNR and SCA slurry walls
SW-17	Surface water from lagoon south of SCA slurry wall
L3	Surface water from lagoon near Beaver Road

* Location designations except L1, L2, and L3 are those used by WMI and DNR.

WMI/MDNR Sites - Kawkawlin, MI
 Water Samples of 11/05/86
 Results in pCi/Liter; Uncertainty One Standard Deviation

Location	Sample No.	Gross Activity		Isotopic Thorium		
		Alpha	Beta	Th 232	Th 228	Th 230
SCA Well MW-12	86-395	3 ± .1	22 ± 14			
SCA Well MW-18	86-396	.6 ± .6	32 ± 14			
SCA Well MW-15	86-397	1.4 ± .7	9 ± 14			
SCA Well MW-43	86-398	2.2 ± 1.1	-7 ± 15			
*SCA Well MW-40	86-399	1 ± 2	40 ± 20			
✓ *SCA Well MW-39	86-400	1.6 ± .5	16 ± 13			
✓ Surface Water L3	86-401	.5 ± .4	10 ± 13			
MDNR Well SP-1	86-402	3.5 ± .9	19 ± 14			
MDNR Well SP-2	86-403	2.9 ± .9	21 ± 14			
MDNR Well SP-3	86-404	3.6 ± .9	-7 ± 13			
MDNR Well SP-4	86-405	9 ± 2	14 ± 14	.05 ± .03	.08 ± .05	.06 ± .06
) ✓ *SCA Well MW-5	86-406	1 ± 6	-20 ± 30	-.07 ± .06	.12 ± .14	-.06 ± .20
*SCA Well MW-6	86-407	3.3 ± .9	8 ± 13			
Surface Water L1	86-408	2 ± 1	3 ± 13			
Surface Water L2	86-409	.4 ± .6	15 ± 14			
SCA Well UP-1	86-410	-.1 ± .5	6 ± 14			
SCA Well INS-1	86-411	8 ± 2	30 ± 20	.03 ± .03	.6 ± .1	0.2 ± .1
SCA Well INS-2	86-412	1.3 ± .7	-50 ± 130			
SCA Well INS-3	86-413	7 ± 2	30 ± 20	-.01 ± .02	-.02 ± .04	0 ± .06
SCA Well DWN-2	86-414	5.4 ± 1.6	20 ± 20	-.04 ± .02	.08 ± .06	-.04 ± .02
SCA Well DWN-3	86-415	3 ± 1	15 ± 14			

Surface Water SW-17 Sample Not Collected

*Sampling Location Not on Original List