

August 22, 2011

Reference No. 050681

ATTN: Document Control Desk Deputy Director
Decommissioning and Uranium Recovery Licensing Directorate
Division of Waste Management and Environmental Protection
Office of Federal and State Materials and Environmental Management Programs
Mailstop T8-F5
United States Nuclear Regulatory Commission
Washington, D.C. 20555-0001

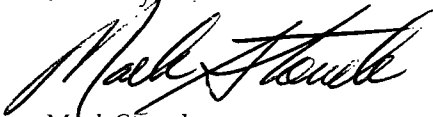
Dear Sir:

**Re: 2nd Quarter 2011 NRC Groundwater Sampling Results
Stepan Company, 100 West Hunter Ave.
Maywood, New Jersey
NRC License STC-1333**

This letter provides a summary of the 2nd Quarter 2011 NRC groundwater analytical results for the above-referenced Site. The attached table presents a summary of the results. The NRC license at the Stepan Company site is suspended for Burial Pits #2 and #3, and USACE is responsible for radiation control and the protection of the public health and safety consistent with the requirements of 10 CFR Part 20. Wells #1 through #5 and #7 through #9 were sampled during the 2nd Quarter 2011 routine groundwater sampling event. The results for these wells were below 15 pCi/L for gross alpha in June 2011.

If you have any questions, please do not hesitate to call.

Sincerely,



Mark Stanek
Stepan Company

LRM/smk/8

Attachment

cc: Regional Administrator, Region I, NRC
Yolande Norman, NRC
Judith Joustra, NRC
Lydia W. Chang, NRC
Mark Roberts, NRC
Ed Troskowski, NJDEP
Allen Roos, USACE
Bill Kollar, Shaw
Christina King-Loundy, Stepan Company
John McGahren, Patton Boggs LLP
Laurie Matthews, Patton Boggs LLP
Luis R. Muñoz, CRA



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Nm 5501

Table 1
 Analytical Results of Second Quarter 2011 NRC Well Sampling
 Stepan Company
 100 West Hunter Avenue
 Maywood, New Jersey

Sample Identification	NRC Permit Criteria	Well 1	Well 2	Well 3	Well 4	Well 5	Well 7	Well 8	Well 9
Sample Date	(pCi/L)	6/29/2011	6/29/2011	6/29/2011	6/29/2011	6/29/2011	6/30/2011	6/30/2011	6/30/2011
<i>(all results in pCi/L)</i>									
Gross Alpha	15	7.81	4.37	2.36	1.97	6.86	1.88	3.53	2.52

Notes:
 pCi/L = pico Curies per Liter.
Bold/Box = Analyte detected above Permit Criteria.
 NS = Not Sampled