

August 22, 2011

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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

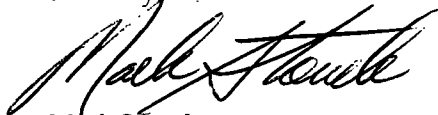
Dear Sir:

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 Köllar, Shaw

Christina King Eoundy, Stepan Company

John McGahren, Patton Boggs LLP

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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 (pCi/L)	Well 1	Well 2	Well 3	Well 4	Well 5	Well 7	Well 8	Well 9
Sample Date		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