

A business of Merck KGaA, Darmstadt, Germany

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September 21, 2017

Peter J. Lee, Ph.D., CHP
Materials Control, ISFSI and Decommissioning Branch
U.S. Nuclear Regulatory Commission
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

RE: NRC License 24-16607-03, Final Status Survey report and request to terminate license

Dr. Lee:

Attached to this cover letter is a report entitled "FINAL STATUS DECONTAMINATION & DECOMMISSIONING SURVEY REPORT," prepared by DDES, LLC under contract with Sigma-Aldrich Manufacturing LLC (Sigma). This report concludes that the total effective dose equivalent (TEDE) from any potential radioactive materials in the specified areas of licensed activities was calculated to be:

- 3300 S Second Street Labs N1111, N1143, and N340 – 6.17E-3 mrem/year for 14C
- 3300 S Second Street Labs N1111, N1143, and N340 – 1.61E-1 mrem/year for 125I
- 2909 Laclede Ave Lab G109 – 1.16E-4 mrem/year for 32P

Based on conclusions of this report, Sigma request that license 24-16607-03 be terminated.

Please contact me if you have concerns or questions regarding this license termination request or supporting report.

Sincerely,



Thomas K Spencer
Radiation Safety Officer
Sigma-Aldrich Manufacturing LLC

ATTACHMENT:

FINAL STATUS DECONTAMINATION & DECOMMISSIONING SURVEY REPORT