

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF AIR QUALITY

EPA

PLAN APPROVAL

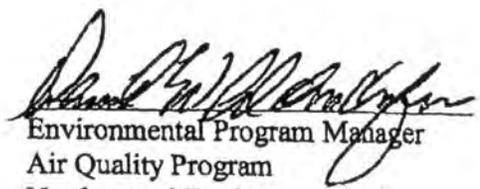
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|--------------------|---|-----------|-------------------------------------|
| Plan Approval No.: | <u>OP-49-0007B</u> | Source & | <u>Avermectin wastewater</u> |
| Owner: | <u>Merck & Co., Inc.</u> | Air | <u>detoxification system and</u> |
| | | Cleaning | <u>related sources, as describe</u> |
| Address: | <u>P.O. Box 600</u> | Device: | <u>herein</u> |
| | <u>Danville, PA 17821-0600</u> | | |
| Attn: | <u>Janet H. Friday, P.E.</u> | Location: | <u>Riverside Borough</u> |
| | <u>Manager, Environmental Engineering</u> | | <u>Northumberland County</u> |

In accordance with provisions of the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and with Chapter 127 of the rules and regulations of the Department of Environmental Protection, the Department on MAY 16 2001 approved plans for the modification of the above indicated air contamination sources.

The plan approval is subject to the following conditions:

- (1) The sources are to be modified in accordance with the plans submitted with the application (as approved herein).

See attached for additional conditions.


Environmental Program Manager
Air Quality Program
Northcentral Region

cc: Harrisburg
File

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COMPANY: Merck & Co., Inc.

3. This plan approval is also issued for the revision of Reasonably Available Control Technology (RACT) determinations previously made for the following sources pursuant to Title I provisions of the Clean Air Act Amendments and 25 Pa. Code Section 129.91 through 129.95:

a. TA-870 TA-871 TA-886 TA-887 TA-888 TA-889

identified in condition 2 herein as well as condition 4.n. (Avermectin Wastewater Tanks) of Operating Permit OP-49-0007, and

- b. TA-811 which is identified in condition 4.n. (Factory 6/7 Tank Farm) of Operating Permit OP-49-0007, and
- c. TA-806 which is identified in condition 4.n. (Factory 6/7 Tank Farm) of Operating Permit OP-49-0007.
4. Pursuant to the RACT provisions of Sections 129.91 through 129.95 of Chapter 129 of Article III of the Rules and Regulations of the Department of Environmental Protection and the Best Available Technology (BAT) provisions of Section 127.1 and 127.12 of Chapter 127 of Article III, each of the tanks identified in condition 3.a. herein shall be equipped with the following:
- submerged tank fill lines
 - sealed overflow lines
 - small diameter manway vents

Each of these air cleaning devices are to be as described in the application and supplemental materials submitted for Plan Approval OP-49-0007A.

5. Pursuant to the RACT provisions of Sections 129.91 through 129.95 of Chapter 129 of Article III of the Rules and Regulations of the Department of Environmental Protection and the Best Available Technology (BAT) provisions of Sections 127.1 and 127.12 of Chapter 127 of Article III, the volatile organic compound emissions shall be reduced in each of the sources identified in condition 2 herein by making the changes to the toluene wastewater stripping system and the CL-2800 wastewater stripping system which are described in the application and supplemental materials submitted for Plan Approval 49-313-0321 and by complying with the requirements specified in Plan Approval 49-313-0321.

7. Pursuant to the RACT provisions of Sections 129.91 through 129.95 of Chapter 129 of Article III of the Rules and Regulations of the Department of Environmental Protection, the volatile organic compound emissions from TA-811, as identified in condition 3.b. herein, shall be less than 2.74 tons per 12 consecutive month period: The operation of TA-811 shall comply with the requirements specified in conditions 2 and 3 of Plan Approval 49-313-0321.

Additionally, this condition provides final approval for the conversion of TA-811 from a storage tank to a process tank. This conversion was acknowledged in condition 9 of Plan Approval 49-313-0321.

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This condition also rescinds the requirements of condition 18 of Operating Permit OP-490007 as they pertain to TA-811.

8. Pursuant to the RACT provisions of Sections 129.91 through 129.95 of Chapter 129 of Article III of the Rules and Regulations of the Department of Environmental Protection, the volatile organic compound emissions from TA-806, as identified in condition 3.c. herein, shall be less than 2.74 tons per 12 consecutive month period. The operation of TA-806 shall comply with the requirements specified in conditions 2 and 3 of Plan Approval 49-313-0321.

Additionally, this condition provides final approval for the conversion of TA-806 from a storage tank to a process tank. This conversion was acknowledged in condition 9 of Plan Approval 49-313-0321.

This condition also rescinds the requirements of condition 18 of Operating Permit OP-49-0007 as they pertain to TA-806.

