

ILLINOIS POLLUTION CONTROL BOARD
March 13, 1975

AMOCO CHEMICALS CORPORATION,)
WOOD RIVER REFINERY,)
)
Petitioner,)
)
vs.) PCB 74-488
)
ENVIRONMENTAL PROTECTION AGENCY,)
)
Respondent.)

OPINION AND ORDER OF THE BOARD (by Mr. Henss):

Amoco Chemicals Corporation filed its Petition for Variance requesting an extension of a variance previously granted in PCB 73-401 and extended in PCB 74-123. Specifically, Amoco seeks relief from Rule 205(g) (organic material emissions) of the Air Pollution Control Regulations until May 31, 1975.

Petitioner operates a multi-purpose chemical additive manufacturing facility at its refinery in Wood River, Illinois. This facility produces 13 additives used in motor oil, diesel lubricating oil, fuel oils and specialty oil. During production of the additives, waste materials including organic materials subject to Rule 205(g) are produced. Hydrocarbons are emitted to the atmosphere when a nitrogen purge is placed on reaction kettles, precoat mix tanks and filter precoat mix tanks.

More detailed information on this unit's operation, the environmental impact from such operation and control equipment to be installed may be found in the Board's prior Opinion on this matter (PCB 73-397-401, December 20, 1973 and PCB 74-121-123, June 20, 1974).

Compliance with Rule 205(g) is to be achieved in three phases: (1) the elimination of nitrogen purging of three reaction vessels, (2) the elimination of nitrogen purging of sixteen filter feed tanks, and (3) installation of a closed solids handling system.

Phase (1) was completed in July 1974 resulting in the reduction of hydrocarbon emissions from 214 lbs./hr. to about 77 lbs./hr. expressed as equivalent methane. Delivery of equipment for Phase (2)

was completed in December 1974. No problems are anticipated in completing installation on or before expiration of the present variance on March 31, 1975. Completion of Phase (2) will further reduce Petitioner's emissions to about 23 lbs./hr.

Equipment for Phase (3) has been delayed by the prime contractor, the Ducon Company. In a letter dated December 9, 1974 Ducon advises Amoco that it should seek at least a one month extension of the present variance. It is obvious from the Petition for Variance that Amoco believes a one-month extension will not allow time for completion of Phase (3). Thus, Amoco seeks a two-month extension.

The Agency believes that delay in completing Phase (3) is beyond Petitioner's control and recommends granting this variance. No objection to the grant of variance has been received by the Agency.

If problems do not delay completion of Phase (2) by March 31, 1975, Petitioner will have reduced its total emissions of hydrocarbons by almost 90%. Petitioner has made good progress in reducing its hydrocarbon emissions and could have completed its compliance program on schedule if not for the delay in receiving equipment. Clearly this delay is beyond Petitioner's control. Variance will be granted.

ORDER

It is the Order of the Pollution Control Board that Amoco Chemicals Corporation be granted variance from Rule 205(g) of the Air Pollution Control Regulations for its Wood River multi-additive manufacturing facility until May 31, 1975 or such earlier date as Phase (3) control equipment is completed. This variance is subject to the following conditions:

1. Petitioner shall apply for all required construction and operating permits from the Agency.
2. Petitioner shall submit monthly progress reports to the Environmental Protection Agency. Such progress reports shall detail progress toward completion of Petitioner's compliance plan.
3. Upon delivery of equipment for Phase (3) of the compliance program Petitioner shall advise the Agency of the delivery date and the expected date of completion of Phase (3).
4. Petitioner shall keep in effect the \$50,000 bond ordered in the previous Opinion of the Board to guarantee installation of required air pollution control equipment.

I, Christan L. Moffett, Clerk of the Illinois Pollution Control Board, hereby certify the above Opinion and Order was adopted this 13th day of March, 1975 by a vote of 4 to 0.

Christan L. Moffett

