

III

40-3392

General Enforce Ltr
Re: (Ranc 7/1)
Aug. 1961

OCT 17 1962		LICENSE FILE ROUTING
JEV		<i>[Signature]</i>
ETM		
		EEU

Allied Chemical Corporation
General Chemical Division
Metropolis, Illinois

Attention: Mr. A. H. Sutton, Plant Manager

Gentlemen:

Thank you for your letter of July 31, 1962 informing us of the steps taken by you to correct these deficiencies in your AEC licensed program which we brought to your attention in our letter of July 6, 1962.

In regard to the comments made in your letter concerning the efficiency of your respirators, we wish to point out that the approval of your use of respirators given in Condition 9 of Source Material License SUB-526 was based on, among other things, the airborne radioactivity concentrations specified in your letter of December 27, 1961 and not on the efficiency of the respirator cartridge as you implied. The maximum concentrations of radioactivity indicated in your letter of December 27, 1961 were on the order of ten times the concentration limits in Appendix B, Part 20. Since it is our belief that an efficiency factor for half-face respirators should not exceed 90%, the use of respirators for such concentrations appeared adequate. As you may know, the overall efficiency of a respirator is based on a number of factors other than cartridge efficiency, such as the fitting of the mask to the face, proper maintenance and cleaning of the mask, proper installation of the cartridge and proper operation of the exhaust valve.

If you desire to use other types of respiratory equipment such as full-face masks or self contained breathing apparatus in order to obtain higher efficiency factors, it will be necessary to obtain an amendment to your license.

If you have any questions about this matter, please communicate with us. Your cooperation is appreciated.

bcc: Compliance Division, HQ) Very truly yours,
Compliance Division, III) w/cpy ltr 7/31/62
Public Document Room)

LR:EB

LR:S&SMB

Eber R. Price
Assistant Director
Division of Licensing
and Regulation

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Enclosure

OCT 19 1962

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