

ILLINOIS POLLUTION CONTROL BOARD  
February 17, 1972

OLIN CORPORATION,	)	
MARION PLANT	)	
	)	
	)	#71-371
v.	)	
	)	
ENVIRONMENTAL PROTECTION AGENCY	)	

OPINION AND ORDER OF THE BOARD (BY MR. LAWTON):

On June 23, 1971 in Case #71-60, this Board granted a one-year extension of a variance granted by the Air Pollution Control Board to permit open burning of explosive wastes by petitioner at its Marion plant. Our order extended the variance to February 22, 1972, subject to certain conditions. The present petition seeks an additional nine-month extension to November 24, 1972 to continue the open burning of explosive wastes and to conduct experimental operation of a new incinerator to be used for this purpose.

Olin manufactures mortar fired illuminating flares, aircraft illuminating flares, jet starter cartridges, gas generators and igniters for missiles and sub caliber training rockets at the Marion plant, all pursuant to contracts with the Department of Defense. Scrap material resulting from the manufacture of these propellants and pyrotechnics require disposal for which this variance extension is sought. Olin anticipates that its production will generate the following amounts of scrap per week to be disposed of pursuant to the variance:

<u>Category</u>	<u>Approximate Maximum Per Week</u>
Ammonium Nitrate Propellant	300 lbs.
Double Base Propellant	20 lbs.
Single Base Propellant	20 lbs.
Pyrotechnic Candle Mix (high magnesium content)	6,000 lbs.
Fuel Oil	Sufficient to immerse pyrotechnic mix as required for safety reasons
Contaminated Packaging & Transfer Materials	100 lbs.

In addition, Olin proposes to construct a novel type of incinerator with scrubber for disposal of its pyrotechnic and propellant scrap. Presumably, plans for this incinerator have

been submitted to the Environmental Protection Agency and it is contemplated that construction will be completed by July of 1972, and testing and adjustment completed by November 24, 1972. The Agency recommends that the variation be allowed. It states that the data submitted by the petitioner is accurate, that the company has been complying with the conditions of the variance granted in Case #71-60, and that no objection from nearby residents has been noted.

As we have said in previous variance cases involving the disposition of explosive wastes, the denial of variance would impose a hardship on the applicant because of the unavailability of alternative means of disposal disproportionate with any harm to the public in permitting a continuation of this operation. We also note that Olin is following our earlier directives to pursue and develop alternate means of disposal. We are encouraged by its achievements in this respect.

IT IS THE ORDER of the Pollution Control Board that the variance granted in Case #71-60 be extended to November 24, 1972, subject to all terms and conditions provided in our original variance allowance, including the filing of monthly reports, and in addition thereto, the following conditions:

1. Petitioner shall confine the open burning to times when atmospheric conditions are conducive to dispersion.
2. Petitioner shall notify the Agency of the date and time when testing of the new incinerator takes place and permit Agency personnel to observe its operation.
3. Bond in form approved by the Environmental Protection Agency in the amount of \$50,000.00 shall be posted by petitioner, conditioned on full compliance with all the terms of this variance.

I, Christan Moffett, Clerk of the Pollution Control Board, certify that the above Opinion and Order was adopted on the 17<sup>th</sup> day of February, 1972, by a vote of 5-0.

Christan Moffett