



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

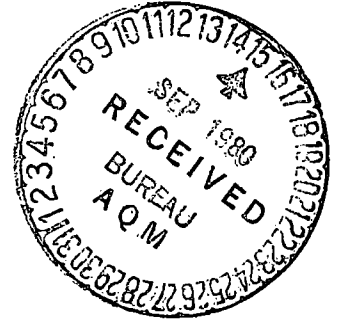
REGION IV

345 COURTLAND STREET  
ATLANTA, GEORGIA 30308

SEP 10 1980

REF: 4AH-AF

Mr. M. P. McArthur  
Vice President and General Manager  
Occidental Chemical Company  
Post Office Box 300  
White Springs, Florida 32096



RE: PSD-FL-067  
Occidental Chemical Complexes  
(SRCC and SCCC)

Dear Mr. McArthur:

EPA received on May 20, 1980, your applications for approval to modify your Suwannee River Chemical Complex (SRCC) and your Swift Creek Chemical Complex (SCCC). The SRCC application was revised July 17, 1980 to include construction of additional facilities. Review of these applications under the Federal Prevention of Significant Deterioration (PSD) regulations published June 19, 1978 (43FR26380) has shown them to be complete. The PSD review shall be continued on the SRCC application as revised. However, the SCCC modification has been determined to be not subject to PSD review requirements as discussed below.

The applicability review has confirmed that the proposed modification to SCCC is not a "major modification" as defined in PSD regulations of June 19, 1978, because the potential uncontrolled emissions are estimated to be less than 100 tons per year for each pollutant regulated under the Clean Air Act (see attached emissions summary table).

The recently revised PSD regulations (40 CFR 52.21; promulgated August 7, 1980) also were considered in the applicability determination. The proposed construction at SCCC is a "major modification" as defined in the 1980 PSD regulations; however, in accordance with 40 CFR 52.21 (i)(4)(v) (45FR52738), PSD review requirements do not apply to this modification because (1) the modification was not subject to 40 CFR 52.21 as in effect on June 19, 1978, and (2) the owner has obtained all permits necessary under the applicable State Implementation Plan before August 7, 1980. In keeping with this determination, review of the SCCC application has ceased.

Although the increased emissions from the SCCC modification are exempt from PSD review, they should be considered in the determination of "net emissions increases" associated with any future modification to the source in accordance with the provisions of the 1980 PSD regulations.

If you have any questions regarding this matter, please contact Mr. Kent Williams of my staff at 404/881-4552 or Mr. Jeffrey Shumaker of TRW Inc. at 919/541-9100. TRW is under contract to EPA and its personnel are acting as authorized representatives of the Agency in providing aid to the Region IV PSD program.

Sincerely,

*Tommie A. Gibbs*

Tommie A. Gibbs, Chief  
Air Facilities Branch

TAG:JWP:cg

FLUORIDE EMISSIONS INCREASE SUMMARY  
 OCCIDENTAL CHEMICAL COMPANY  
 WHITE SPRINGS, FLORIDA  
 MODIFICATION TO SWIFT CREEK CHEMICAL COMPLEX (SCCC)

	<u>Fluoride Emissions Increases (tons/year)</u>	
	<u>Uncontrolled</u>	<u>Controlled</u>
D Phosphoric Acid	47.1	1.1
Acid Clarification	36.1	2.9
SPAC & D	1.1	1.1
Cooling Pond	2.8 <sup>a</sup> (7.6) <sup>b</sup>	2.8 <sup>a</sup> (7.6) <sup>b</sup>
TOTAL	87.1 <sup>a</sup> (91.9) <sup>b</sup>	7.9 <sup>a</sup> (12.7) <sup>b</sup>

<sup>a</sup> Proposed by applicant, PSD-FL-067, May 20, 1980.

<sup>b</sup> Calculated by EPA based upon an emission factor of ~~3.22 pounds of fluoride per acre-day~~ from the cooling gradient portion of the pond (increased from 109 acres to 135 acres) cooling from 113<sup>o</sup>F to 95<sup>o</sup>F, and an emission factor of ~~1.62 pounds of fluoride per acre-day~~ from the remainder of the pond (decreased from 166 acres to 140 acres) assumed constant at ~93.5<sup>o</sup>F.