EFFICACY REVIEW

DATE: IN 6-12-95 OUT11- 2-95

FILE OR REG. NO. 64405-1

PETITION OR EXP. PERMIT NO.

DATE DIV. RECEIVED March 1, 1995

DATE OF SUBMISSION February 25, 1995

DATE SUBMISSION ACCEPTED

TYPE PRODUCT(S): (I,)D, H, (F,)N, R, S

DATA ACCESSION NO(S). 435636-03;D216277;S483021;Case#046190;AC;674

PRODUCT MGR. NO. 25-Taylor/Daughtry

PRODUCT NAME(S) BORA-CARE®

COMPANY NAME Nisus Corporation

SUBMISSION PURPOSE 8 months response to Reregistration Eligibility Decision with respect to boric acid and sodium salts for §§ 95-2,3; 95-10; 95-11; 95-12 and 95-13.

CHEMICAL & FORMULATION Disodium octaborate tetrahydrate 40.6% (11.1 lbs. per gallon in mixture of glycols)

CONCLUSIONS & RECOMMENDATIONS The data presented in EPA Accession (MRID) Number 435636-03, having been obtained from standard testing meeting requirements of § 95-12(a)(1), (4) and (5)(i) on pp. 271-2 and the standard of § 95-12(b)(1)(ii)(A) but not (C) on p. 273 of the Product Performance Guidelines, are adequate to support control of Formosan and Eastern subterranean termites when a boric acid equivalent (BAE) exceeding 2,500 ppm is achieved in wood treated with the subject product. At these retentions, feeding was reduced to 2% or less in tests conducted by Su and Scheffrahn (1991), Tokoro and Su (1993) and Grace and Yamamoto (1992), and mortality of both species reached or approached 100%. In summary, the data submitted for the subject product are sufficient to fulfill the requirements for laboratory efficacy evaluation and, due to the fact that the laboratory tests closely simulated the manner in which applications are made according to label directions, also satisfy most requirements for comparative field tests under footnote 54 on p. 2 of 2 of the table entitled "REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE" in the RED for boric acid and its sodium salts issued February 16, 1994. Thus, the response for this product is complete with respect to product specific efficacy data for 95-12.

RL Vern L. McFarland, IRB