

US EPA ARCHIVE DOCUMENT

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098301

SHAUGHNESSEY NO.

REVIEW NO.

EEB BRANCH REVIEW

DATE: IN 3/5/81 OUT 3/12/81

FILE OR REG. NO. 81- TX-08

PETITION OR EXP. PERMIT NO.

DATE OF SUBMISSION 1/81

DATE RECEIVED BY HED 3/5/81

RD RREQUESTED COMPLETION DATE 3/21/81

EEB ESTIMATED COMPLETION DATE

RD ACTION CODE/TYPE OF REVIEW 510/Section 18

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

DATA ACCESSION NO(S).

PRODUCT MANAGER NO. D. Stubbs (41)

PRODUCT NAME(S) Temik 15G

COMPANY NAME Union Carbide

SUBMISSION PURPOSE Emergency Response Section of RD requests
development of monitoring program by EEB

SHAUGHNESSEY NO. CHEMICAL, & FORMULATION % A.I.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

DATE: 16 MAR 1981

SUBJECT: ~~Aldicarb Monitoring for Sec. 18 on Texas grapefruit,~~
as per E. Johnson Telegram.

FROM: Wildlife Biologist, Sec. 3,
Ecological Effects Branch, HED TS-769C

TO: Jack Housenger, Emergency Response Section
Registration Division

THRU: David Coppage, Head Sec. 3, EEB/HED *D/C*

THRU: Clayton Bushong, Chief, Ecological Effects Branch, HED *CB*

As per item #11 of Mr. Johnson's 2/24/81 telegram to Region VI granting a Sec. 18 for use of aldicarb on grapefruit, EEB has made arrangements for fulfilling the monitoring condition imposed by Mr. Johnson in item 11 of said telegram. This will aid us in assessing the hazards to the Brown Shrimp Fishery in the Laguna Madre Bay.

As per the attached "Report of telephone conversation", Mr. David Ivie and Mr. Jack Bomer of the Texas Dept. of Agriculture were consulted. Texas officials will ask the Union Carbide Corp. to continue the efforts of the 1980 aldicarb monitoring program in Cameron, Hildalco, and Willacy counties, Texas. The program will be conducted in as much similarity as possible to the 1980 program reported to E.P.A. by Union Carbide under Accession #244091, dated 1/15/81 and entitled "Monitoring Aldicarb Residues in Soil and Water, 1980. A Report to E.P.A." The major difference this year will be that sampling will commence as soon as possible (April, 1981) to coincide with the first aldicarb applications to citrus. In addition, pre-application sampling will be done and several samples will be taken from the surface water resources of the Laguna Atascosa National Wildlife refuge. Texas will duplicate laboratory analyses.

EEB concerns include only surface water drainage as relates to the possible contamination of the Laguna Madre Bay. EEB defers to EFB and Toxicology Branches, HED, on matters of groundwater contamination and/or human health and safety.

Texas officials request clarification and specification of monitoring requirements to support a Section 3 Registration of the grapefruit use pattern. EEB defers to EFB on this matter.

John J. Bascietto
John J. Bascietto
EEB/HED

REPORT OF TELEPHONE CALL OR VISIT

Form 101, Complete and File with 101-101
where not applicable

INQUIRY CALL

VISIT

DATE

3/12/81

OUTGOING CALL

INCOMING CALL

TIME

11:15 am EST

NAME AND ADDRESS OF CALLER OR VISITOR

Mr. David Ivie
Mr. Jack Bomer
Texas Dept. of Agriculture
Austin, Texas

PHONE NO. (Include Area Code or D.S. No.)

512-475-2760

REGISTRATION, REGION OR FILE SYMBOL

81-TX-08

DATE OF LATEST SUBMISSION

1/781

BRIEF SUMMARY OF CONVERSATION

Pursuant to Mr. Ed. Johnson's Telegram (dated 2/24/81) to Region VI granting the 1981 Sec. 18 for use of TEMIK on grapefruit in S.E. Texas, I called to arrange for monitoring of surface water drainage leading to the Laguna Madre Bay, for aldicarb and metabolites.

I explained that I thought that last year's Union Carbide study was a fine model to follow this year but that it had started too late to assess hazards to Brown shrimp from aldicarb reaching the Bay. Basically we agreed that the same program should be performed in 1981 to fulfill Mr. Johnson's condition for monitoring, but that sampling should commence in April, 1981, shortly after the 1st applications to citrus 1981.

ACTION TAKEN OR RECOMMENDED:
sampling will include pre-application samples and sampling within the Laguna Atascosa National Wildlife Refuge. Union Carbide will probably do the work with Texas duplicating the lab analyses.

I stressed that this monitoring is requested as a condition of the Sec. 18, included by Mr. Johnson. These data would not necessarily satisfy Sec. 3 requirements. Since they intend on applying for a Sec. 3 for grapefruits, they wanted to know what specific data requirements will be for monitoring. I said I could not tell them (since this is EFB's work) but that I would alert the PM to their concerns.

They asked about appropriate groundwater monitoring but I said that this was not an EEB concern for the Sec. 18 and I therefore would not comment on it. I mentioned that EEB's specific concerns with the Sec. 18 were surface water drainages leading to the Laguna Madre Bay and Shrimp Fishery.

RECORDED BY (Name)

John A. Smith

RE REFERRED TO (Name)

SUBMISSION REVIEW RECORD

35-81
PCB

1. Chemical Name Aldicarb

2. Identifying Number 81-TX-08

3. Action Code 510

4. Accession Number _____

5. *Record Number 28546

5. *Reference No. 1

6. Date Received (EPA) 01/14/81

7. Date Sent to HED 3/5/81
(to be completed by PCB)

8. Statutory Due Date
(45 days) (90 days) (120 days) _____

9. Projected Return Date 3/11/81 ⁽⁶⁾

10. Product Manager STUBBS/HOUSENGER

11. Product Manager Team Number 41

12. CHECK THE FOLLOWING IF APPLICABLE:

- Public Health/Quarantine
- Substitute Chemical
- Seasonal Concern
- Request Requires Less than 4 Hrs Review
- Minor Use
- Part of IPM

Handwritten mark resembling a stylized '3' or 'B'.

13. INSTRUCTIONS TO HED REVIEWER

- Total Assessment - 3(c) (5)
- Incremental Risk Assessment - 3(c) (7) and/or E.L. Johnson memo of May 12, 1977.
- Other - (Explained below)

- SPRD (send copy of form to SPRD PM)
- Chemical undergoing active RPAR review.
- Chemical undergoing active registration standard review.

Please develop a monitoring program for this specific exemption recently issued. Refer to item 11 of the attached telegram. Please note E. Johnson's note that we will work with TX officials to develop details of this program. Any questions or additional information should be directed to

4. Related Actions:

15. 3(c) (1) (D)

- Use any or all available information.
- Use only attached data.
- Use only the attached data for formulation and any or all available information on the technical or manufacturing chemical.

Jack Housenger
X77123,

16. Review Sent to: TX ES NS SB

To	Type of Review	Number of Agencies				
		Part 3	Part 101	EPA	ES	Sec. 12
	Toxicology					
<input checked="" type="checkbox"/>	Ecological Effects					
	Residue Chemistry					
	Environmental Fate					

- 18. Label Submitted with Application Attached.
- 19. Representative Labels Showing Accepted Data Attached.
- 20. Confidential Statement of Formula Attached.
- 21. Date Returned to SD (to be completed by HED) _____
- 22. Include an original and 3 copies of this completed form for each branch checked for review.

*For use by PM only.