To:        Stubbs/ Pemberton  
           Product Manager  41  
           Registration Division (TS-767)  

From:  Dr. James Adams, Acting Chief  
       Environmental Chemistry Review Section  
       Exposure Assessment Branch  
       Hazard Evaluation Division (TS-769C)  

Attached, please find the EAB review of...  

Reg./File #:  87-LA-01  

Chemical Name:  Pendimethalin  

Type Product:  Herbicide  

Product Name:  Prowl  

Company Name:  American Cyanamid  

Purpose:  Section 18 request  

Action Code:  511  

EAB #(s):  70272  

Date Received:  2/19/87  

Date Completed:  7/4/87  

Total Reviewing Time:  0.3 days  

Monitoring study requested:  

Monitoring study voluntarily:  

Deferrals to:  
       Ecological Effects Branch  
       Residue Chemistry Branch  
       Toxicology Branch
1. CHEMICAL: Pendimethalin

2. TEST MATERIAL: N/A

3. STUDY/ACTION TYPE: Sect 18 request

4. STUDY IDENTIFICATION: N/A

5. REVIEWED BY:
   Stephen J. Simko
   Chemist
   EAB/HED/OPP
   Signature: 

6. APPROVED BY:
   Dr. J. Adams
   Chief (acting), Section 1
   EAB/HED/OPP
   Signature: 

7. CONCLUSIONS:
   The only data requirements currently satisfied for pendimethalin
   are hydrolysis and long-term field dissipation. Data on file
   that are preliminary, since they do not fulfill data gaps, indicate
   that pendimethalin does not rapidly leach through soil.

8. RECOMMENDATIONS:
   Because of the lack of adequate data, EAB cannot support the requested
   Section 18.

9. BACKGROUND:
   The state of Louisiana is requesting a sect. 18 for the use of
   pendimethalin for control of itchgrass and Browntop Panicum on
   approximately 40,000 Acres of sugarcane. The application rate
   would be 2.0 lbs/A for a total of 80,000 lbs of active ingredient.

10. DISCUSSION OF INDIVIDUAL TESTS OR STUDIES: N/A

11. COMPLETION OF ONE-LINER: N/A

12. CBI APPENDIX:
   No CBI is included.