EEE BRANCH REVIEW

DATE: 5/6/76 OUT 11/2/76 IN OUT IN OUT

FISH & WILDLIFE ENVIRONMENTAL CHEMISTRY EFFICACY

FILE OR REG. NO.

PETITION OR EXP. PERMIT NO. 6E1741

DATE DIV. RECEIVED

DATE OF SUBMISSION

DATE SUBMISSION ACCEPTED

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

PRODUCT MGR. NO. Taylor (25)

PRODUCT NAME(S) PROWL

COMPANY NAME Cyanamid

SUBMISSION PURPOSE Addendum to Petition - PEANUTS

CHEMICAL & FORMULATION N(1-ethylpropyl)-2,6-dinitro 3,4-xylidine
PROWL
(American Cyanamid Company)

100.0 Pesticidal Use - Herbicide for use on peanuts.

100.3 Purpose of Submission - submission of data as an addendum to Section H of Pesticide Petition Nos. 6F1741, 5F1556 and 6F1704.

101.0 A. Chemical and Physical Properties

101.1 Chemical Name

N(1-ethylpropyl)-2,6-dinitro 3,4-xylidine.

101.2 Common Name

Prowl

103.0 Toxicological Properties

103.1 Acute Toxicity

<table>
<thead>
<tr>
<th>Organism</th>
<th>Test</th>
<th>Result</th>
<th>Material</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mallard Duck</td>
<td>LD&lt;sub&gt;50&lt;/sub&gt;</td>
<td>1421(938-2152 mg/kg)</td>
<td>Prowl (Technical)</td>
<td>Truslow Farms, Inc. (1976)</td>
</tr>
<tr>
<td>Daphnia magna</td>
<td>LC&lt;sub&gt;50&lt;/sub&gt;</td>
<td>0.28(0.23-0.33 mg/l)</td>
<td>Prowl (Technical)</td>
<td>EG&amp;G Bionomics (1976)</td>
</tr>
</tbody>
</table>

NOTE: Mallards used in the LD<sub>50</sub> study were 14 days old and will be acceptable at this time.

104.2 Conclusions.

The submitted studies (mallard duck LD<sub>50</sub> and Daphnia magna LC<sub>50</sub>) are acceptable for use in support of registration as per section 3 guidelines.

Frederick S. Betz Nov. 2, 1976
Fish and Wildlife Section
Efficacy and Ecological Effects Branch