DEPARTMENT OF HUMAN RESOURCES
DIVISION OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SECTION

REPORT OF INVESTIGATION OR INSPECTION OF Carol Wilson Property in Iredell Co.

Place visited 3201 Maple Leaf Drive **Date** July 15 **1983**

Address 3201 Maple Leaf Drive, Statesville, N.C. **Time spent** 6 hours

By whom Joel W. Cawthorn, Soil Specialist; Rollin Johnson, Environmental Health Supervisor and J.C. Moore, Sanitarian

Persons contacted Mr. & Mrs. Wilson, & Pam Simond from Law Firm Raymer, Lewis, Eisele, Patterson & Ashburn **(Owner, agent, tenant, manager, other)**

Reason for visit To make investigation of failing ground absorption system.

Copies to: D.R. Baxley
Steve Steinbeck

REPORT: On June 6 and July 13, 1983 visits were made to the above-named property to investigate a failing ground absorption system. The following conditions were found at the site.

1. The ground absorption system and all attempts of repair have failed. This includes:

   (a) The original conventional system installed in the area to the right side of the house. This system failed within 6 months.
   (b) The seepage pit installed at the end of the conventional system.
   (c) An interceptor drain installed on left side of house, across property behind the house and above the original system and between the original system and the right side property line. Sewage ran from this drain onto the adjacent property almost immediately because it crossed the nitrification lines of the house to the left of the Wilson property. These nitrification lines are on the Wilson property.
   (d) The low pressure pipe system in the backyard. This system worked marginally for about 2 years. The interceptor drain was removed prior to installation of low pressure pipe system.

2. The property is gently sloping.

3. The soils consist of about 18 inches to 24 inches of fill material. and compacted soil over about 40 inches of clay (group IVa) subsoil.

4. The low pressure pipe system is installed in this fill material and compacted soil.

I suggest that the neighbors nitrification lines be removed from the Wilson property and the space be filled and compacted to prevent movement of effluent onto the Wilson property. Next, install an interceptor drain along the left and rear property lines. This drain should be more than 6