



Northern Indiana Public Service Company

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December 5, 1980

JAMES F. PURCELL
Senior Vice President

Mr. Ronald L. Ballard, Chief
Environmental Projects, Branch #1
Office of the Nuclear Reactor Relations
U.S. Nuclear Regulatory Commission
Washington, D.C. 20545

RE: Docket No. 50-367

Dear Mr. Ballard:

Enclosed, herewith, are twenty-five (25) copies of the Summer, 1980, Quarterly Report on the Bailly Generating Station Nuclear-1 Ecological Monitoring Program. This is the 25th Quarterly Report on this work. The Summer, 1980 Quarterly Report contains analyses and interpretation of data for July through September, 1980.

During this quarter, terrestrial sampling was conducted in the month of July. Sampling for aquatic parameters was conducted during June and August.

The July terrestrial sampling includes an analysis of foliar effects, vegetation, soil samples, large mammal observations and roadside surveys for selected species. Surveys for reptiles, amphibians, and invertebrates were completed during this scheduled sampling. Vegetation sampling showed little change from past years in all undisturbed locations.

The summer, 1980 aquatic sampling consisted of fish, phytoplankton, periphyton, zooplankton, benthos, and water quality parameters. While certain parameters show changes from previous samplings, some of the results are believed to be influenced by maintenance activities requiring dredging near the Bailly Generating Station intake and discharge structures. This activity is temporary and is not expected to show a lasting influence on the aquatic ecology.

As with previous reports, there continues to be no discernible effects to the environment due to the construction of Bailly Generating Station Nuclear-1.

Very truly yours,

James F. Purcell

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