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May 17, 1979

M. J. Ray, Nuclear Project Manager
New York State Electric & Gas
Corporation
4500 Vestal Parkway East
Binghamton, New York 13902



Dear Sir:

On April 19 and 24, Public Service Commission (PSC) Staff conferred with staff and consultants of New York State Electric & Gas with reference to interrogatories 10 and 11 dealing with Part 74 of 16 NYCRR (letter dated April 5, 1979). These requested specific statistical analyses of ecological data presented in the New Haven Environmental Report (ER).

The requested information pertained to additional analyses pertinent to the intake location rationale (ER p 5.1 - 11, 12, 13). Principle components included, for each major taxa overall, (yearly) means of each potential intake locale and a statement as to the probability that measured differences are real.

In conference, NYSEG staff proposed a different analysis from the one requested by PSC Staff in the interrogatories. This is necessary because insufficient data exists to conduct the analysis and the data available is not kept on computer, making presentation in the manner requested by PSC Staff a laborious process.

It was agreed in conference that the applicant would provide the following in reply to the interrogatory 10. The taxa

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Pontoporeia would be dropped from the response since the few data are not amenable to analysis. The analysis of Gammarus spp. and total macroinvertebrates would consist of a 2 way ANOVA (location X level) in which each datum included would be an average (mean) of the total data included with each cell (complete Block Design). Ichthyoplankton analyses would consist of 2 way ANOVA (Location X Date) with 6 replicates per cell (surface mid and bottom samples). The analyses of total ichthyoplankton would be dropped as the construction of the data matrix would require laborious manual manipulation far in excess of information to be derived.

PSC Staff recognizes that alternate analyses may fulfill the intent of the interrogatory and is thereby willing to accept alternate responses, if they are accompanied by detailed description of the methodology and associated documentation.

Sincerely,


ROBERT GREY
Staff Counsel

cc: All parties

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