Ge rgia Department of N tural Resources
4244 International Parkway, Suite 114, Atlanta, Georgia 30354
Lonice C. Barrett, Commissioner
Environmental Protection Division
Harold F. Reheis, Director
(404) 362-2675

May 16, 1996

Mr. Gary L. Caines
Radiological Operations Manager
Honeywell, Inc.
Industrial Automation & Control
1190 West Druid Hills Drive
Atlanta, Georgia 30329

Dear Gary:

We have received and completed the initial review of your application for device evaluation for your line of generally-licensed Optimum beta gauges. Additional information is required before we can continue the review. The text that follows itemizes any questions we have had to date.

1) On the enclosed drawings 56001609-001 V01 and 56001519-XYZ V01, some of the text is written in German. Please provide an English translation of those parts. Also, please confirm that the unit of measure for both drawings is the millimeter.

2) What are the tolerances of the components used to construct the Optimum device?

3) Please provide a breakdown of manufacturing/transportation responsibilities for Honeywell, Inc., and Honeywell Paper Machine.

4) Upon review of the four Sealed Source Evaluations for the sources that are contained in the Optimum device, it was found that the Kr-85 source (Amersham KAC.LA) failed the ANSI Standard N542-1977 puncture test. Please provide confirmation that the source is unlikely to be damaged via puncture when used in the Optimum device.

5) As listed in the Summary Description, based on customer needs, any one of the four listed sources can be used in the Optimum device. Suppose the customer's needs change, resulting in the selection of the Kr-85 source when one of the others has been in place (or vice versa). How will the modifications of the source, shutter, and absorber blocks be performed? Who will perform the modifications?

6) Is the Optimum device shipped from the manufacturer with the source already installed, or is the source shipped separately? If the source is shipped separately, please provide the procedure for source installation.

7) In section 3.1, Conditions of Use, the normal operating conditions are identified. Please provide details regarding the expected accident conditions.

8) In section 3.2, Details of Construction, there is a material list for all components of the Optimum device. Please provide the materials of construction for items 43-70.

9) In section 3.3, Labeling, a reference is made to utilizing two or more separate labels to accommodate the amount of information. Please provide copies of these labels, indicating label material, color, and dimensions. Also provide the means with which the labels will be affixed to the device housing.

10) Section 3.6, Radiation Profiles, and Appendix I, "Field Service Radiation Safety Procedures for Honeywell Employees," pages 36 - 39, show the radiation profiles for the Optimum device with each of the four possible sources. Please provide the date the above data was collected. Also, please provide the calibration certification for the Babyline 31 instrument.

11) Please provide details and checklists for the prototype tests and the QA/QC programs.

Upon receipt of the above information, we will be able to resume the Device Evaluation for the Optimum device. If you have any questions, please feel free to give our office a call at (404) 362-2675.

Sincerely,

Eric Jameson

Eric T. Jameson
Radiological Health Specialist

ETJ/klc