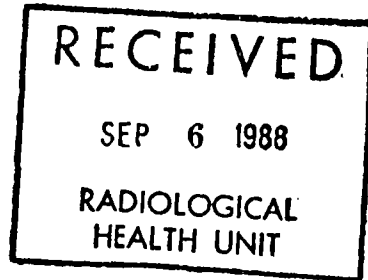


# Valmet-Sentrol

5686

446-7818



September 1, 1988

Ms. Elizabeth L. Drinnon  
Radioactive Material Unit  
Radiological Health Section  
878 Peachtree Street  
Suite 600  
Atlanta, GA 30309

Subject: **RADIOACTIVE MATERIALS LICENSES**  
**GA 458-2 AND GA 458-3G**

NR 136.5-2195  
MAX 250 mCi PM 147

Dear Ms. Drinnon:

Valmet Sentrol wishes to add one additional radioactive source to be used in our generally licensed model BG III betagauge. The source is Promethium 147 500 mCi. Amersham model PHC 80995 NRC model number PHC-C1. The ANSI/ISO classification is 77C33222.

The source housing assembly is similar in all respects to the BG III source housing assembly, the only changes are in the source holder block and base, to physically accommodate the PM 147 sealed source. The external window of 0.5 thou stainless steel has been replaced with a 1.0 thou alumnized Kaptan window provide less attenuation of the low energy betas.

Listed below are the drawings relevant to these changes included as part of this submission.

Drawing #532-016-015	Source holder assy
Drawing #517-012-291	Source holder base
Drawing #517-012-292	Source holder block
Drawing #319-063-009	Source PM 147 - 500 mCi
Drawing #517-003-703	Window for source

-Continued-

Valmet-Sentrol Inc.  
3100 Medlock Bridge Road, Suite 250, Norcross, Georgia 30071  
Telephone (404) 446-7818      Telecopy (404) 368-8500

# Valmet-Sentrol

RADIOACTIVE MATERIALS LICENSES - 9-1-88

PAGE 2

Also included as part of this submission are:


1. Sensor isodistance patterns
2. Safety information re source

We trust this information will be sufficient to enable you to add the PM 147 sealed source to be used in our Generally Licensed BG III.

Should you require any further information please let me know.

Yours truly,

Valmet Sentrol, Inc

  
Geoffrey J. Leighton  
Radiation Safety Officer

GJL/srl

CC: Sunil Panda

Enclosures