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Peach Bottom Atomic Power Station  
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March 2, 2005

Mr. Thomas Filip  
Pennsylvania Department of Environmental Protection  
909 Elmerton Avenue  
Harrisburg, PA 17110-8200

**Subject:** Peach Bottom Atomic Power Station, PWS 7670905  
Modification to Construction Permit 6704501, issued April 5, 2004  
Permit No. 6704516 MA Temporary Use of Reverse Osmosis

Dear Mr. Filip,

This letter is to request a modification for the Construction Permit for Peach Bottom Atomic Power Station, PWS 7670905. Permit No. 6704501 was initially granted by the PA DEP on April 5, 2004.

The construction permit modification is requested due to the fact that upon installation of the new flow elements, a lower than anticipated flow was indicated. Follow-up system inspection showed that the piping leading to the polishing filters had become restricted due to corrosion build-up. This corrosion was most likely accelerated during the three months the system was out of service. The piping will be cleaned and disinfected prior to the system being placed in service.

In addition, the filter rinse time for the polishing filters is significantly longer than normal. It is our intent to replace the filter media (sand and anthracite), and also the stainless steel bottom strainers on the polishing filters. Replacements will be done using NSF standards. Attached are the specifications for the media.

Peach Bottom is requesting an extension to May 31, 2005, for Permit No. 6704516 MA for continued use of reverse osmosis in order to accommodate the work on the polishing filters and piping.

If you need further information, please contact Art Arcilla {717 456-4185} or Daniel Jordan {717 456-4551}.

Sincerely,



Joseph P. Grimes, Plant Manager  
Peach Bottom Atomic Power Station

ccn 05-14032

US NRC Region 1 Administrator  
Senior Inspector, PBAPS  
Angela Anderson, PA DEP York County Office  
US NRC Document Control Desk Docket 50/277, 50/278

Daniel M. Jordan  
Tracy J. Siglin  
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### Filter Media Specifications

	<b>Layer Depth in inches</b>	<b>Effective Size Range in mm</b>	<b>Uniformity Coefficient</b>
<b>Silica Sand</b>	<b>9.25</b>	<b>0.45-0.55</b>	<b>1.6</b>
<b>Anthracite</b>	<b>25</b>	<b>0.65-0.76</b>	<b>1.6</b>