

Exelon Nuclear  
Peach Bottom Atomic Power Station  
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January 4, 2005

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

Subject: Temporary Permit to Operate a Temporary Filter Truck  
Peach Bottom Atomic Power Station, PWS 7670905

Dear Mr. Filip,

This letter is to request approval for a Temporary Drinking Water Permit for Peach Bottom Atomic Power Station, PWS 7670905. Currently, the clarifier bed is experiencing problems due to a malfunctioning coagulant aid injection pump. This caused a build-up of solids, which is inhibiting circulation back into the primary mixing zone. A filter truck will allow for draining and cleaning of the clarifier to remove these solids. We are proposing to bring in a filter truck from Ionics to replace the clarifier.

The source of water for the temporary filter truck will be the Service Water System. The filter truck will be installed using station procedures, and Figure 1 (see attached).

The truck will produce water with a maximum turbidity of 1 NTU and a pH between 6 and 9. The effluent of truck will supply the clearwell and will be processed by the rest of the installed system. The installed system consists of graded anthracite pressure filters, anthracite/sand polishing filters, a domestic water storage tank where it is chlorinated, and finally to an accumulator. The truck's filter media is polystyrene ion exchange resin which has been backwashed / air scoured and treated with a sodium chloride brine. Alum will be added to the truck's influent to aid in filtration. The alum will be NSF approved.

If you need further information, the points of contact are Art Arcilla (717 456-4185), Barbara Payne (717 456-3410), or Daniel Jordan (717 456-4551).

Sincerely,



Joseph P Grimes, Plant Manager  
Peach Bottom Atomic Power Station

Attachment (Figure 1)

CCN 05- 14002

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cc:

USNRC Region 1 Administrator

Senior Inspector PBAPS

USNRC Document Control Desk, Docket 50/277, 50/278

Angela Anderson, PADEP York County Office

Siglin, Tracy J

Jordan, Daniel M

Correspondence Control Desk

Records Management

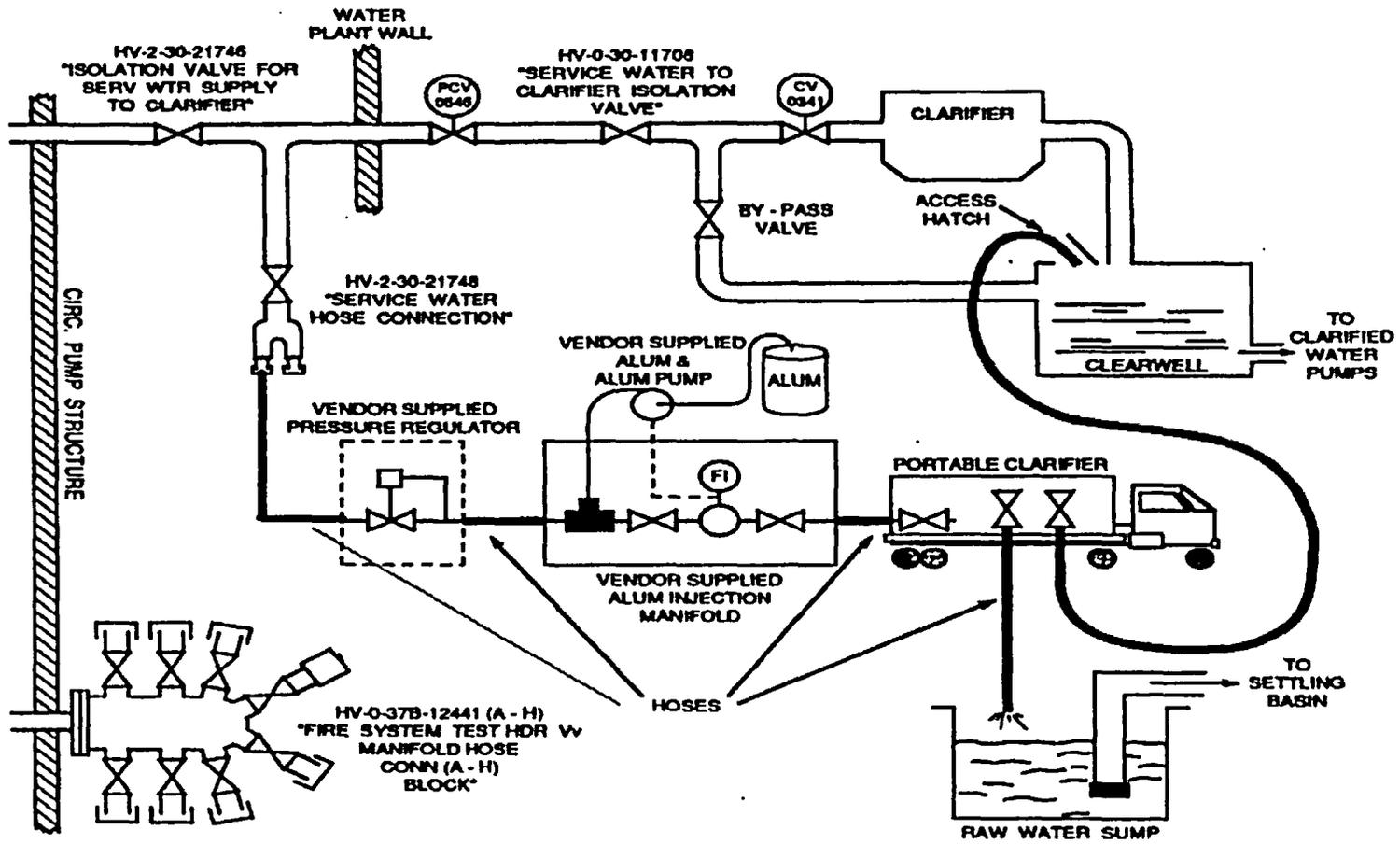


Figure 1

Raw Water System Portable Clarifier Operation from Service Water