HYDRO-PURE SYSTEMS COMPANY

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September 30, 1991

Mrs. Kay Drey
515 West Point Avenue
University City, MO 63130

Regarding: Your Letter of September 16, 1991

Dear Mrs. Drey:

We have received your letter and apologize for not returning any of your calls but for the entire month of September, I have been out of the office and was unable to respond to your calls.

I will attempt to answer your questions, to the best of my ability, where possible or applicable, in the order in which they were presented.

1. This information is confidential and cannot be divulged per the request of our clients.

2. Hydro-Pure will not be providing any monitors. Any and all testing will be the responsibility of MK Ferguson or the operating contractor. Sample points are located throughout the entire plant on the inlet and outlet of each piece of equipment which can be utilized for sampling.

2a. No monitors are being provided by Hydro-Pure for any radiation monitoring.

2b. None

2c. No monitors are being provided by Hydro-Pure for any hazardous chemical monitoring.

3. None, no monitors are provided under this contract. All monitors are by MK Ferguson or the operating contractor.

3a. Same as 3 above.

3b. No monitors are provided under this contract, therefore we have no comment.

4a. This is a decision to be made by the DOE and/or MK Ferguson.

4b. Same as 4a above.

4c. Same as 4a above.

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E-1600-1607-1.04

5. Organic levels above 1 ppm can foul ion exchange resins and cause inefficiencies in the removal of certain ions. In no case are we expecting organic levels in this range, though if present will not prevent this system from working but will only shorten the run length or operating cycle.

The carbon absorbers are designed to remove, or reduce, the organic levels to well below the 1 ppm level for proper operation of the Ion Exchange System.

6. The ion exchange system will no longer be bypassed unless a decision to do so is made by MK Ferguson or the operating company at some later date.

6a. No monitors are being provided by Hydro-Pure. The determination will fall under item 4 of your letter and our response.

6b. Same as 6 above.

7a. The plant is designed to handle only the thorium levels that were listed within the IFB, and as confirmed during initial sampling. If higher levels are later experienced, then other types of Ion Exchange processes will have to be employed.

As of this writing the thorium levels are below the present discharge limits and are therefore not of any concern.

7b. Same as No. 7 and 7a above.

8. As of this writing the sludge from the sedimentation settler may or may not be removed from the site. MK Ferguson will make this final determination at some later date. Once removed, if removed, we have no idea what MK Ferguson will do with same.

8a. A sludge holding tank no longer exist. This is also the reason we cannot answer item 8 above.

8b. There are no drums associated with the filter press since MK Ferguson will put all waste into a large sealed dumpster for transportation by others to an unknown location.

8b1. Don't understand your question. Filter cakes are not replaced, but removed. Filter cake should be removed 1-2 timer per day during normal operation.

9b. Experience factors from other operating plants.

9c. Quantity of acid has yet to be finalized. We have no concern of sulfuric acid reacting with nitrogen based compounds. Sulfuric is the most common regenerated used on ion exchange resins.

Acid will not be stored in any metal containers, only polypropylene tanks.

9d. As of this writing, the regenerant waste will not be removed from the site but returned to the clarifier for removal ultimately by the filter press.

10. This publication was given to us by Calgon Corp., from internal Calgon documents/publications.

11a. Hydro-Pure does not manufacture filter press equipment. This equipment will be obtained through a company experienced in the design.

11b. No.

12a. TCT did perform all the bench testing that was required for this contract.

12b. Hydro-Pure has no method of determining if the DOE was involved.

12c. "D" has no purpose. Only for clarification purposes to Hydro-Pure.

12d. This is true, but by contract was our only liability to determine or confirm the design basis.

Hopefully all the above response will answer your questions and satisfy your present needs. Should you have any future requests, please do not hesitate to contact us, preferably in writing, to allow us to prepare a proper response.

Very truly yours,

HYDRO-PURE SYSTEMS CO

Walter Krywucki
General Manager

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