

ENGELHARD INDUSTRIES, INC.

D. E. MAKEPEACE DIVISION
ATTLEBORO, MASS.

DATE September 21, 1960

TO MR. Canham

SUBJECT Recirculation of Cooling Water
in Nuclear Dept.

COPIES TO

Mr. Ware

At the request of Ray Ware, I have looked into the matter of recirculating the cooling water from the various pieces of equipment in the Nuclear Dept. This water is presently being emptied into our back yard and eventually flows toward the lake. There is no contamination problem with this water as it never comes in contact with radioactive material. If we were able to re-use this water it would be of tremendous benefit to us.

In order to set up the recirculation procedure which Mr. Ware has proposed, three things will be necessary. The State Dept. of Public Health will have to approve, Mr. Goddard, the property owner will have to approve, and all areas which could conceivably admit radioactive material to the system will have to be closed.

I feel that we will be able to obtain State approval subject to inspection of the proposed system and its operation. Both they and we have been sampling the lake water for some time and have found no increase above background activity. Actually, there has been a slight decrease in activity since we have been in operation at Plainville.

With respect to Mr. Goddard, his approval has been tentatively obtained if we will inform him in writing that no radioactive material will be discharged into the lake.

We will be able to give him this assurance if the proposed system is approved by management.

As far as the third point is concerned, I have investigated all equipment in the Nuclear Dept. which is water cooled. The only modification which would have to be made to assure a closed system would be the installation of some sort of cover on the open tank at the Kinney Furnace. This could be done by our Maintenance Dept.

In summary, I would like to concur with Mr. Ware's recommendations since it will not only benefit us in water savings but also will increase the water pressure to our sprinklers which could have some effect on our insurance rates.

Very truly yours,

NW
Norton Weiss

NW/sl

I/S
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