

**WILLIAMS
BROTHERS
ENGINEERING
COMPANY**

A Resource Sciences Company

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U.S. NUCLEAR REG.
COMMISSION
NMSS MAIL SECTION

November 9, 1979

Reference: License No. 35-13351-01
Mail Control No. 00848
Docket No. 030-05960

Mr. Paul R. Guinn
License Management Branch
Division of Fuel Cycle and Material Safety
United States Nuclear Regulatory Commission
Washington, D. C. 20555

Subject: Additional Information Requested for License Renewal
Application Dated July 31, 1979

Dear Mr. Guinn:

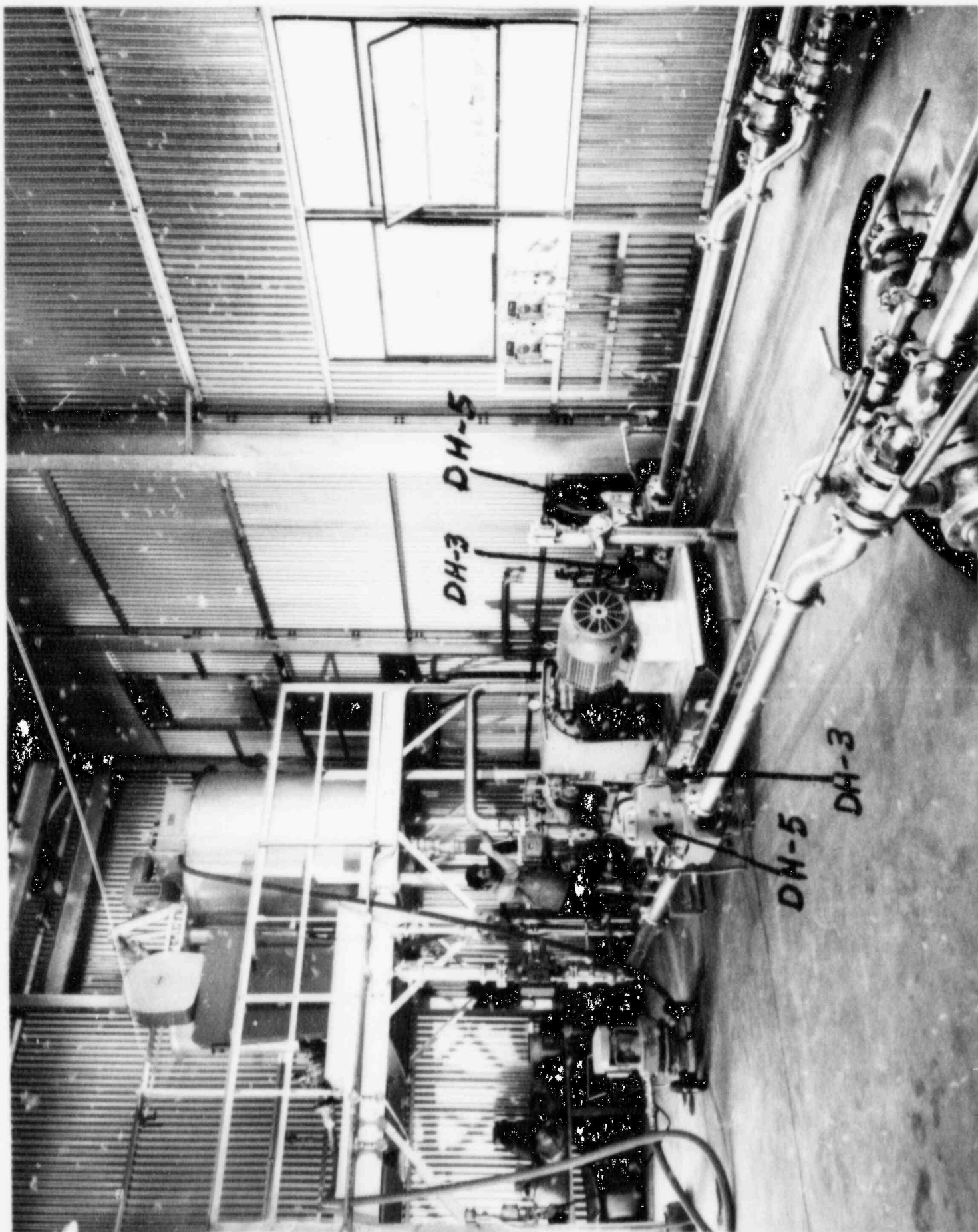
Reference your letter dated September 7, 1979, in which you requested specific additional information concerning our renewal application, dated July 31, 1979, which is a request to renew our product License No. 35-13351-01. As you may note from the date of this letter, we are approximately two months later in furnishing you the additional information you requested. The reason for this is that your September 7th letter (copy enclosed) was addressed only to Williams Brothers Engineering Company, Resource Science Center, 6600 South Yale Avenue, Tulsa, OK 74177. However, your previous letter (copy enclosed) dated August 27, 1979, and acknowledging receipt of our application was addressed to Williams Brothers Engineering Company, Resource Sciences Center, Attn: H. L. Lawler, Consulting Engineer, 6600 South Yale, Tulsa, OK. It was received in the Slurry Systems mail on September 1, and called to my attention the following Monday.

Since your September 7th letter had only the corporate address on it and did not directly address me, it was passed among a number of different groups and subsidiary companies not associated with this by-product license until it finally reached the Slurry Systems Group a few days ago.

Enclosed are duplicate sets of attachments which I believe will answer most or all of your questions. I have included our original application, dated July 14, 1969, which includes a complete discussion of the use, safety precautions, layout of the facility, photograph of the actual densitometers as installed and gives the

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Slurry Test Loop building
showing nuclear densitometers.

BOB HAWKS, INC.
1345 EAST 15th ST.
TULSA, OKLAHOMA 74120
NEG. NO.

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United States Nuclear Regulatory Commission
November 9, 1979
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background data on Mr. G. L. Cunningham and myself as safety officer.

In regard to leak testing, which is covered somewhat in our original application, this is done every three years by either Mr. Cunningham or myself. We use sterile cotton, tweezers, distilled water and a sterile container. We wipe the sources at the welds and any location which could leak including shutter and shutter levers on those units which have them. All this, of course, is done by dipping a wad of cotton, using the tweezers, into the distilled water and then wiping as discussed above. The used cotton is put into a sterile container, sealed, marked with the unit number, and taken to the University of Tulsa's Physics Department for sample radiation assay. You will please find a letter dated November 6, 1979, from Dr. William P. Moran, Professor of Physics, in which he describes the equipment method used to determine the assay.

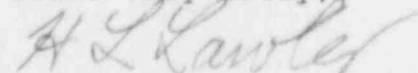
Regarding Item #3 of your letter, the four DH units were installed in 1969 by the manufacturer, Industrial Nucleonics, Inc., who made the initial radiation survey. The units have never been removed or sources replaced or any maintenance required since that time, except for maintenance required on the electronics which display and record the density measurements.

The temporary nuclear densitometer, on trial test, made by Robershaw Controls Company and mentioned in the attachments, was installed and removed by the manufacturer's representative, in the presence of Dr. Moran who used the proper procedures and radiation detection equipment. When removed, the source was crated and checked for leakage as per instructions from the manufacturer and returned to him for disposal or other use.

If our DH units require any future servicing, removal or relocation, this will be done by the company which Industrial Nucleonics, Inc. sold out to. This company is the Nuclear Research Corporation, 1105 Industrial Highway, Southampton, Pennsylvania 18966, operating under the NRC's license No. 37-02401-04G.

I trust that the above plus the two sets of attachments furnished will supply you with adequate information to allow the NRC to renew our license.

Yours very truly,



H. L. Lawler
Consulting Engineer
HLL:js