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G E N E R A L S T E E L I N D U S T R I E S , I N C .

GRANITE CITY, ILL.

March 15, 1963

Mr. William O. Miller
Isotope Branch
Division of Licensing & Regulation
Washington 25, D. C.

Dear Sir:

Reference is made to your letter of March 7, 1963, listing deficiencies in our license renewal application and our tentative training program.

Because of the proximity of the expiration date of our present license, we have expedited the recommended changes in the license renewal application. The necessary corrected copies, in triplicate, are attached.

The progress of Messrs. Doroghazi, Vunovic and Hall's participation in our training program was presented for your information only. We realize that their training has not been completed but is proceeding. We hope to complete this program, with the possible exception of Mr. Hall, by the time our training procedure has received A.E.C. approval. At this time we will evaluate their competency as radiographers.

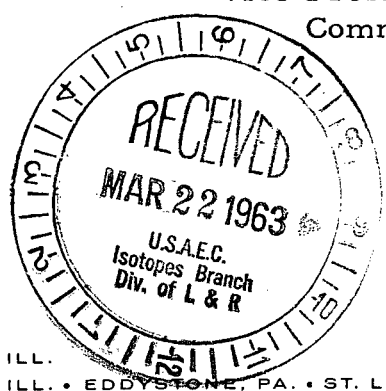
As soon as possible, we will submit the recommended corrections and additions to our training program application for your evaluation.

Very truly yours,

Gordon McMillin
Gordon McMillin

Vice President & General Manager
Commonwealth Division

GMcM:js
Attachments



ACKNOWLEDGED

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EMERGENCY OPERATING PROCEDURE

A telephone is located in the small room protected from the radiation area but within the locked exposure room. Any deviation from normal operating procedure may be reported to the supervisor in charge of radiography without the necessity of the radiographer's leaving the locked exposure room. All men handling the source will be radiographers within the definition of Part 31, Paragraph 31.3.

EMERGENCY NO. 1: SOURCE CANNOT BE RETRACTED INTO THE SOURCE HOLDER OR THE SURVEY INDICATES THAT IS IS NOT WITHIN THE HOLDER WHEN IT SHOULD BE.

"THE RADIOGRAPHER ON DUTY SHALL"

1. The warning lights will still be on in conformance with operating procedure. If the emergency happens at any other time, turn on warning lights.
2. Call R. W. Ripley by auto call or telephone.
3. Unlock door, leave radiation room, and lock door from the outside.
4. Using WRD Model CS-40A survey meter, survey area immediately surrounding radiographic area, and post any area of greater than 5/mrhr.
5. Maintain vigilance at doorway until Mr. Ripley arrives.

"THE RADIATION SAFETY OFFICER SHALL"

1. Obtain full story, evaluate, rectify if possible.
2. If necessary, call Nuclear Consultants Corporation or the Budd Company. Exposure room will remain locked and all warning lights will remain on until area is safe. Radiographer will maintain personal vigilance at exposure room door if gravity of situation warrants.
3. Record will be made of the incident.
4. AEC will be notified, if necessary, in compliance with Title 10, Part 20, Paragraph 20.403.

EMERGENCY NO. 2: POCKET DOSIMETER READS OFF SCALE

1. Do not extrapolate.
2. Recharge dosimeter, check it after 15 minutes, repeat this step. If it reads off scale both times it is probably faulty.
3. Develop casting exposure films, see if they have the correct density with no distortion. Any misalignment of source or

The Granite City Plant Management Control System was set up to assure management as well as the A.E.C. that all A.E.C. and Management regulations, provisions, and operating procedures are fulfilled by all personnel concerned.

The control group is headed by Mr. Gordon McMillin, Vice President and General Manager of the Granite City Plant. Mr. William E. Davis, Plant Metallurgist, is responsible to Mr. McMillin. Mr. Robert W. Ripley is the radiation protection officer in direct supervision of all radiographic procedure and safety. He reports to Mr. W. E. Davis.

Mr. Martin Linenbroker, Plant Accountant, is responsible to Mr. McMillin. His department operates independently of the metallurgical group. Mr. Linenbroker supervises the actions of Mr. George Diak who conducts quarterly inventories, maintains records, and operates a pull-out file to insure compliance with Title 10, Part 31, concerning calibration of survey instruments, and leak tests. He maintains the following records:

1. Radiation survey instrument calibration records	31.104
2. Leak tests certificate	31.105
3. Quarterly inventory records	31.106
4. Utilization log	31.107
5. Film badge reports	31.203
6. Pocket dosimeter reports	31.203
7. Radiation survey records	31.303

In addition the plant Safety Director, Mr. Charles Zeugin, who is responsible to Mr. Russell Crecelius, Plant Personnel Director, works in close association with Messrs. Ripley and Davis. Through Mr. Crecelius, the Illinois State Board of Health is advised of radiation safety and operating procedures. Correspondence is maintained with the S. B. of H. in matters relating to A.E.C. license applications, and radiation instrumentation, as well as their own requirements.

In the routine of a days operation, Mr. Ripley has direct contact with the radiographers on duty. The pocket dosimeters are read and recorded at least once each day, and the radiation survey record is maintained in compliance with Part 31.303 a, b, and c. Film badge reports are studied, recorded and filed each week. Operating and emergency procedures are known by each radiographer. Copies of these procedures are maintained in the gamma ray enclosure office and in the radiographer's office and locker room.

Mr. Charles Zeugin, Plant Safety Director, arranges individual blood counts once during each calendar quarter. These tests are performed at St. Elizabeth Hospital in Granite City and their report is received and evaluated by Dr. John F. Brennan, Granite City Plant Physician at the plant dispensary. These reports are also recorded and a file maintained.

The services of Dr. W. E. Koeneker, Physicist and President of Nuclear Consultants, St. Louis, Missouri, are available.

In summary, three separate departments report on different, but well defined, aspects of radiation safety to the Vice President and General Manager:

Mr. Robert Ripley -- Operating procedure and radiation protection.

Mr. Russell Crocelius -- Medical and liaison with the S.B. of H. of Illinois.

Mr. Martin Linenbroker -- Facility inventory and records.