



May 26, 2006

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Steven Courtemanche
US Nuclear Regulatory Commission: Region I
475 Allendale Road
King of Prussia, PA 19406-1415

RECEIVED
REGION I

2006 MAY 30 AM 10:35

Subject: REPLY FOR ADDITION INFORMATION REGARDING THE
APPLICATION FOR AMENDMENT TO LICENSE
NO. 29- 30390-01, CONTROL NO. 138797

Dear Mr. Courtemanche:

MM

03034438

In reference to your letter dated May 18, 2006 we are submitting the following requested additional information regarding the byproduct material license termination of the SFBC Taylor facility at 107 College Road East, Princeton, NJ 08540.

Item 1 Information regarding facility complex.

The building is three stories of which SFBC Taylor occupied approximately 10,000 square feet on the first floor.

Approximately 2500 square feet of the facility was designated for laboratory operations, sample storage, preparations, analysis and waste retention. These areas were identified in Appendix A in the decommission report submitted on May 1, 2006. Approximate square footage of the affected areas is as follows:

Waste Storage:	150
Sample Log-in	350
Wet Lab	1000
Ms Lab	1000

138797

NMOS/RCN MATERIALS-002

Item 2 Description of areas surrounding the facility

The area that directly surrounds the facility consists mainly of employee parking. The nearest office complex is approximately 200 feet away, south west of the main entrance, to 107 College Road East. All surrounding areas are commercial office buildings.

Item 3 Last date that licensed material was used.

Our survey records indicate that the last day that licensed material was processed was June 6, 2005..

Item 4 Use of DCGL's

The derived concentration guidelines (DCGL's) were not originally considered during the decommission process. Total effective dose equivalent (TEDE) and as low as reasonably achievable (ALARA) were both taken into consideration prior to the submission of the report to decommission the facility at 107 College Road East. According to the regulations provided in 10CFR20.1402 the licensee must demonstrate that the distinguishable residual radioactivity from background radiation results in a TEDE that does not exceed 25 mrem (0.25 mSv) per year.

The TEDE was determined by reviewing our historic inventory of byproduct material and referring to Table 2 of Appendix B to 10CFR20 for the Allowable Limit of Intake (ALI) that list the concentration values for a yearly dose of a radionuclide, whether inhaled or ingested.

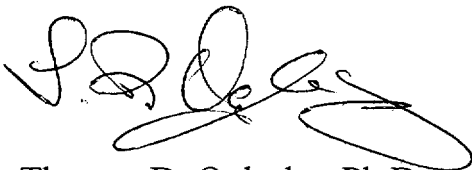
Since 1997 the total quantity of byproduct material inventoried was approximately 1800 μCi of Carbon-14. The current inventory for Carbon-14 is estimated at 339 μCi . As for H-3, the total material inventoried has been 224 μCi and is currently estimated at 17 μCi .

The ALI limits listed in Table 2 for Carbon-14 and H-3 are 2000 μCi and 80,000 μCi , respectively. Since the inventory for both radionuclides are below the ALI, the facility would not exceed a TEDE of 25 mrem/year.

Additionally, SFBC Taylor has demonstrated, with the submission of a comprehensive survey analysis, that the restricted areas of the 107 College Road East facility are ALARA.

If you have any additional or require further information please contact myself or Bob White at 609-951-0005.

Sincerely,

A handwritten signature in black ink, appearing to read 'T. D. Oglesby', with a large, stylized flourish at the end.

Thomas D. Oglesby, Ph.D.
VP Discovery