



DATE: April 6th, 2021

TO: Betsy Ullrich, Senior Health Physicist
Mail Control No. 617658
U.S. Nuclear Regulatory Commission, Region I
Division of Nuclear Materials Safety
Renaissance Boulevard, Suite 100
King of Prussia, PA 19406

FROM: Director (Acting), Laboratory Safety; Office of Laboratory Science and Safety

SUBJECT: RE: CDC's NRC Materials License No. 10-06772-01
CDC Response Letter to NRC Request for Additional Information (RAI) related to the August 2018 Final Survey Status Report (FSSR), and Request to Provide Additional Information for Final Review of the December 30, 2019 Decommissioning Funding Plan (DFP)

This is in reference to your email dated February 1, 2021, addressed to Dr. Mary Brandt (previous Director, Office of Laboratory Safety) regarding CDC letter dated December 10, 2020, in response to additional information needed in support of the updated DFP (dated December 30, 2019), and CDC letter dated May 4, 2020, with the Final Status Survey Report dated August 6, 2018. Thank you, and CDC acknowledges the NRC's acceptance of the additional information provided by the Agency and Philotechnics, Ltd., the site remediation services contractor.

In addition, Cynthia Long, RSO, met with you on February 18, 2021 to further discuss additional information needed to finalize and complete the NRC's review of the 2019 DFP. As a result of your discussions, the following information is being provided to support the final review of the DFP.

Refer to the CDC Decommissioning Funding Plan submission dated December 30, 2019 for License #10-06772-01

1) Item A.3.1, Preparing the Site-Specific Cost Estimate, Page 8/last paragraph, states the following:

The CDC radiological facilities, located on two campuses, comprise a total of five buildings that house 16 active radiation laboratories in which radioactive materials are possessed, used, and stored; and one inactive radiation laboratory. The number of radiation laboratories is 12 less than there were during the last submittal of the CDC Decommissioning Funding Plan in June 2017.

Based on the above, CDC confirms that a total of seventeen laboratories (as referenced above) are being considered as part of the calculation for the decommissioning cost estimate.



- 2) Regarding the “Updated List of Radiation Labs Identified for Decommissioning and Status” that was previously provided to NRC as an attachment to December 10, 2021 response letter, a review of the list was held with you during the meeting.

As a result, CDC confirms that an additional eight inactive laboratories were identified as having been authorized for possession and use of radioactive material, and they have not been decommissioned. It was determined that only seven of the eight laboratories actually used radioactive material in the past, and those labs will be decommissioned. However, one of the laboratories never received or used any radioactive material, and it will not be decommissioned. CDC has amended the contract for the Decommissioning of the Lawrenceville Burial Site and Lab Facilities to include the decommissioning of the additional seven laboratories. See list of additional laboratories below:

Roybal Campus: Bldg 17/Room 2236, Bldg 17/Room 2237, Bldg 17/Room 6101, Bldg 17/Room 6102, Bldg 18/Room 5-429, Bldg 18/Room B705 and Bldg 18/Room 5-408

Based on the above, CDC confirms that a total of 7 additional laboratories are being considered as part of the calculation for the decommissioning cost estimate. In accordance with the above changes, CDC provides this update to the 2019 DFP to confirm that a total of 24 are now considered for the decommissioning cost estimate.

- 3) Item A.3.5., Number and Dimensions of Facility Components, Page 21/paragraph 3, states the following:

“For the purposes of the DFP we have assumed that there are a total of 26 (twenty six) laboratories at the Roybal and Chamblee Campuses. These laboratories have similar levels of contamination; therefore, all laboratories have been consolidated into Table A.3.5.”

The decommissioning estimate cost was calculated for a total of 26 laboratories, and it was discussed during the meeting that the funds **(\$499,005.25)** committed to in the 2019 DFP for the total decommissioning estimate cost is sufficient, and will cover the cost for twenty-four laboratories, as referenced above. Since no increase in funds is needed, the total estimate cost of \$499,005.25 will remain the same as provided in the 2019 DFP submission.

- 4) Item A.3.1.2., Estimated Decommissioning Costs, Page 11/paragraph 1, there is an error in a sentence near the end of the paragraph that refers to “**40 radiation laboratories**”, and instead should refer to “**26 radiation laboratories**”. Please see the modified sentence below to correct this error:

“The current cost estimates from Bionomics, Inc. were modified to accommodate the referenced 26 radiation laboratories in this DFP and were inflation adjusted to today’s dollars.”



Again, we appreciate the opportunity to address your inquiries, and if you have further questions or need any additional information in support of the DFP approval request, please contact Cynthia Long, RSO, at (404) 639-3416 (office), (404) 772-8645 (cell) or xgt6@cdc.gov (email); or Dr. Brandon Hatcher at (470) 533-1119 (cell) or gaw7@cdc.gov.

Sincerely,

Brandon Hatcher, PhD, RSP, CBSP
Director (Acting), Office of Laboratory Safety
Office of Laboratory Science and Safety

Cynthia S. Long
Radiation Safety Officer
Office of Laboratory Safety