



DEPARTMENT OF THE AIR FORCE
AIR FORCE RESEARCH LABORATORY (AFRL)

7 Nov 2013

MEMORANDUM FOR NYSDEC

DIVISION OF ENVIRONMENTAL REMEDIATION
REMEDIAL BUREAU A, 12TH FLOOR
625 BROADWAY
ALBANY, NEW YORK 12233-7014

FROM: AFRL/RIOCV

150 Electronic Pkwy
Rome, New York 13441-4516

SUBJECT: Rome Laboratory, Building 104 Environmental Spill Closure Letter.

1. This letter details remediation activities at the Building 104 demolition site for the closure of Spill No. 1100977. The spill was identified during an initial environmental investigation and copies provided to your office 21 Oct 2011: *Demolish Administrative Facility Building 104 (Jul 2011)*. All information in this correspondence will pertain to remediation activities as detailed in the following sampling plan previously provided to your office in Feb 2013: *Dry Well Remediation Work Plan of AFRL Building 104 (Feb 2013)*.

2. On 31 July, 2013, Jaclyn A. Karam, and I met with New York State Department of Environmental Conservation (NYSDEC) project manager, Heather Bishop to clarify and review the remediation of the B104 Spill No 1100977. A brief overview of the status was stated and several questions were presented to Ms. Bishop and clarification/approval given.

3. Building 104 had a total of 7 drywells present with only three of those wells showing environmental contamination above commercial use (RCRA metals were found in drywells 1, 3, 6). All the drywell structures have been removed from the ground. The drywell blocks from numbers 1,3 & 6 and soil around and under the three drywells have been disposed of at the US Ecology Landfill in Grandview, Idaho (see Attch 1). Three samples were taken inside each drywell area with contamination. The results were received by our office on 23 July and copies given to Ms. Bishop during our meeting (See Attch 2). Ms. Bishop reviewed sample results and agreed additional remediation was required for Drywell 6 to meet commercial standards. Ms. Bishop stated that 5 confirmatory samples (4 sides and a bottom) were to be taken for mercury and cadmium in Drywell 6, and commercial standards were approved. Ms. Karam and I concurred. All agreed the three samples taken for drywells 1 and 3 would suffice as the impacted area was less than one cubic yard. Results from drywells 1 and 3 were below commercial standards.

4. On 27 August 2013, an additional 3 cubic yards of soil was removed from the drywell 6 location to a depth of 11 feet and 5 samples were taken from the pit (four sides and the bottom). Sample results showed the four sides to be well below commercial standards but the very bottom still showed some elevated readings for both mercury and cadmium (See Atch 3). After review and at the request of NYSDEC, additional samples from the bottom location were requested. Please note, prior to additional sampling, two feet of cover was removed to prepare for the redevelopment of the site (approved by your office). Additional samples were pulled on 26 September 2013. A total of 3 samples were pulled from now 9, 11 and 13 feet to determine if additional remediation was warranted. All three samples results were below commercial standards for mercury and cadmium (See Atch 4).

5. TCLP results of the 3 cubic yards of soil removed from the drywell 6 location were well below hazardous waste standards and the soil will be disposed of through Oneida-Herkimer Solid Waste Authority (See Atch 5).

6. A Soils Management Plan was developed for the B104 drywell location that outlines exactly what can and cannot be done at the area of concern (See Atch 6). The area in question has now been developed as green-space and a parking lot with no future plans.

7. It is our belief that all NYSDEC requirements have been met and Spill No. 1100977 can now be closed. If this is not satisfactory with your office, please contact Mr. William Brain, AFRL/RIOCV, phone 315-330-2754.



WILLIAM E. BRAIN, REM
Chief, Environmental and
Occupational Health Office

Attachments:

1. Grandview Idaho Waste Manifest
2. Sampling Results 13 May 13
3. Sampling Results 27 Aug 13
4. Sampling Results/Report 26 Sep 13
5. TCLP Results 9 Sep 13
6. B104 SMP, Oct 2013