

REPOSITORY INEL
 COLLECTION Radiological & Env. Sciences
Lab. Files of Doug Carlson, Dir. MAR 12 1971 *R*
Cabinet #4, Dwr #4
 BOX No. RESL CFA-690 Room 102
Controlled Releases of
 FOLDER Radioactivity During CY-1970

C. Wayne Bills, Director
 Nuclear Technology Division

CONTROLLED RELEASES OF RADIOACTIVITY DURING CY-1970

The controlled releases of radioactivity to the atmosphere made by the Laboratory for research purposes during CY-1970 are listed below.

- A. Five Experimental Cloud Exposure Study (EXCES) releases were conducted as part of a program to measure exposures at ground level resulting from the passage of a radioactive cloud. Sodium-24 was the radionuclide released in all five tests.

1. 25 March 1970: 51 Ci
2. 1 April 1970: 75 Ci
3. 7 April 1970: 6.6 Ci
4. 9 April 1970: 103 Ci
5. 24 April 1970: 120 Ci

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- B. Three Controlled Environmental Release Test (CERT) experiments were performed which entailed releases of radionuclides to the atmosphere. One of these was a laboratory test following which Kr-85 was discharged through a CF-690 hood exhaust stack.

1. 20 January 1970: 2 Ci Kr-85
2. 22 September 1970: 0.10 Ci K-42
3. 21 October 1970: 0.30 Ci K-42

No radioactivity was released to surface or underground waters for research purposes during CY-1970. There were no releases made specifically for or by personnel of the U. S. Geological Survey or the National Oceanic and Atmospheric Administration.

Original Signed By
 Donald I. Walker

Donald I. Walker, Director
 Health Services Laboratory

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