

[REDACTED]

635  
Castle

6 August 1954

FOR R. C. SMITH'S APPROVAL BEFORE DISPATCHING

TO: Lt. Col. Edward Martell  
 DWET, AFSWP  
 Sandia Base  
 Albuquerque, New Mexico

THRU: Duncan Curry, Jr., ✓  
 J-Division, LASL

FROM: John D. Servis, TU-7

SUBJECT: RADIOLOGICAL SURVEY RESULTS.

Make Add'l  
 w/sep - then  
 OK. w/sep  
 for PCS  
 (1000)

1. Forwarded, herewith, for your information are close-in radiological survey results for Castle.
2. These results are incomplete because of the policy set forth by the Commander, TG 7.1, in which he states that individuals will not be exposed to high radiation levels except in case of emergency.
3. The data in the enclosure lists both ground and air readings. Some approximate information can be obtained if factors of 2 for 24 foot altitudes, 3 for 50 foot altitudes, and 5 for 100 foot altitudes are used. These factors may be incorrect by as much as 200% depending on the time and method of measurement.

4. Underlined readings indicate ground measurements.

BEST COPY AVAILABLE

JOHN D. SERVIS  
Commander, TU-7

D-158  
Records center B-9

GENERAL INVESTIGATION  
 DIVISION OF THE  
 UNITED STATES DEPARTMENT OF ENERGY  
 WASHINGTON, D. C. 20545

Enc. Radiation Intensity List Ric. 137193  
 cc: TU-7 w/enc.  
 M&R w/enc.  
 C-D. Curry, Jr. w/enc.

8/10/54

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RG 326 US ATOMIC ENERGY COMMISSION

Location

Folder 635 CASTLE  
4/16/54

CONFIRMED TO BE UNCLASSIFIED  
BY AUTHORITY OF DOE/OC

Paul Wilson 7/11/83  
10/13/95

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Radiation Intensity  
 (mr/hr)

Bravo

	Able	Baker	Charlie (1200)
1 March			10,000 @ 200' (1130M)
3 March	<u>3,000</u> (1430M)	25,000 @ 50' (1010M)	7,000 @ 50' (1000M)
4 March	1,000 @ 50' (0845M)		2,000 @ 50' (0830M)
	<u>5,000-7,000</u> (1000M)		<u>10,000</u> (0930M)
5 March	N <u>40,000-50,000</u> (1100M)	3,000 @ 50' (0930M)	<u>5,000-8,000</u> (1100M)
	S <u>2,000-4,000</u> (1200M)		
7 March	N <u>11,000</u> (1200M)	2,500 @ 10' (0910M)	<u>3,500</u> (0900M)
	S <u>1,000</u> (1230M)		

Romeo

27 March			N-1,100 @ 300' (1030M)
28 March	> 50,000 @ 200' (0900M)		N 2,900 @ 300' (0900M)
29 March	75,000 @ 25' (0910M)		S 4,000-8,000 @ 400' (0900M)
30 March	26,000 @ 25' (0830M)	28,000 @ 25' (0825M)	N 50,000 @ 25' (0820M)
			N 10,000 @ 25' (0822M)
			S 32,000 @ 25' (0824M)
31 March	<u>10,000-30,000</u> (0900M)		S edge <u>5,000</u> (1200M)

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Reviewed by *Carl Wilson* 7/2/83  
 DATE  
*J. Diaz* 10/7/85

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	Uncle		Tara	Sugar
	East	West		
7 April	25,000 @300' (0830H)	15,000 @100' (1430H)	3,000 @200' (0830M)	20 @25'
8 April		2,200-2,400 @100' (0900H)	*50,000 @200' (0902M)	8 @100' (0905M)
9 April	12,000 (0845M)	5,000 (1100M)	1,000 @500' (0900M)	
12 April		1,000 (1230H)		
14 April	900 @25' (1430H)	400 @25' (1433H)	*30,000 @25' (1428H)	4-10 @25' (1425M)

\*Crater Area

	Nectar I		
	Daisy	Edna	Helen
14 May			12,000 @25' (1530M)
15 May	4,200 @25' (0900M)	4,000 @25' (0855H)	3,400 @25' (0850M)
16 May	500 @25' (0840H)	12,000 (0830M)	
17 May	250 (0930M)	4,200 (0925H)	2,800 (0920M)

# followed by heavy rain

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*J. Diaz 10/7/85*

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Union

	<u>Dog (Watt Sta.)</u>	<u>Fox (Copter pad)</u>	<u>George (Smith Sta.)</u>
26 April	7,000 @200' (1115M)		8,000 @200' (1100M)
27 April	5,000 @25' (0900M)	3,000 @100' (0905M)	3,000 @100' (0910M)
28 April	2,000 @25' (0930M)	3,800 @25' (0920M)	3,800 @25' (0915M)
30 April	<u>1,000</u> (1200M)	<u>2,400</u> (1100M)	<u>2,000</u> (1130M)
2 May	<u>800</u> (0910M)	<u>800</u> (0905M)	<u>1,600</u> (0900M)

Yankee

5 May			12,000 @100' (1130M)
6 May	6,000-20,000 @25' (0910M)	3,800 @25' (0905M)	<u>4,000-6,000</u> (0900M)
7 May	3,000 @25' (0920M)	600 @25' (0915M)	600-800 @25' (0910M)
8 May		1,000 @15' (1005M)	800 @15' (1000M)
9 May	2,600 @25' (0940M)	600 @25' (0935M)	500 @25' (0930M)

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*J. Diaz* 10/7/85  
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*C. Williams* 7/12/83  
REVIEWED BY DATE