

From
NMB-J

FOR R. C. SMITH'S APPROVAL BEFORE DISPATCHING

635
Castle

TO: Lt. Col. Edward Martell
DWST, AFSPW
Sandia Base
Albuquerque, New Mexico

THRU: Duncan Curry, Jr.,
J-Division, IASL

FROM: John D. Servis, GU-7

SUBJECT: RADIOLOGICAL SURVEY RESULTS

Make Old O
who sep - then
OK. w/af
for RCS
(has seen)

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.

1ST REVIEWER DATE	6/17/94
AUTHORITY	100 Schmidt
NAME	100 Schmidt
2ND REVIEWER DATE	6/17/94
AUTHORITY	100 Schmidt
NAME	100 Schmidt

JOHN D. SERVIS
Commander, TU-7

Enc. Radiation Intensity List
Orig w/ing of encl Martell Ric. 137193

cc: TU-7 w/enc.
M&R w/enc.
C.C.D. Curry, Jr. w/enc.

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(Insert proper classification)

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Radiation Intensities

(mr/hr)

data
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thorized.

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)

6/17/94
HRSchmidt
6.17.94
RE Carpenter

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Koon

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

*Crater Area

Nectar I

	<u>Daisy</u>	<u>Edna</u>	<u>Gene</u>	<u>Helen</u>
14 May			12,000 @25' (1530M)	1,100 @100' (1000M)
15 May	4,200 @25' (0900M)	4,000 @25' (0855M)	3,400 @25' (0850M)	110 @25' (0845M)
16 May	500 @25' (0840M)	<u>12,000</u> (0830M)		
17 May	<u>250</u> (0930M)	<u>4,200</u> (0925M)	<u>3,800</u> (0920M)	<u>100</u> (0915M)

‡ followed by heavy rain

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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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