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GENERAL AND COMPLETE DISARMAMENT

Notification of nuclear tests

Note by the Secretary-General

Pursuant to General Assembly resolutions 41/59 N of 3 December 1986 and 42/38 C of 30 November 1987, communications have been received from Australia and the Union of Soviet Socialist Republics, dated 6 December 1988 and 9 January 1989, and 31 December 1988 respectively, and are reproduced in the annex to the present note.

ANNEX

Information provided by States

AUSTRALIA

[Original: English]

[6 December 1988]

1. I have the honour to refer to resolution 42/38 C, adopted by the General Assembly on 30 November 1987, entitled "Notification of nuclear tests", paragraph 3 of which requests States that, while not themselves conducting nuclear explosions, possess data on such events, to make such data available to the Secretary-General.
2. In accordance with that request, I have the honour to attach, in an appendix to this letter, details of nuclear explosions carried out in 1987 and up to June 1988.

APPENDIX

Data on nuclear explosions derived from Australian seismological facilities and from institutions in other countries co-operating in the monitoring of earthquakes and nuclear explosions

Report on presumed underground nuclear explosions

(January 1987-June 1988)

Month 1987	Day	Universal Time h min	Locality	Estimated body-wave magnitude	Estimated yield kilotonnes	Sequence number
January			Nil			
February	03	15 20	Nevada	#a	<10	87/01
	11	16 45	Nevada	4.5	<10	87/02
	26	04 58	East Kazakhstan	5.4	10 - 40	87/03
March	12	01 57	East Kazakhstan	5.5	20 - 80	87/04
	18	18 28	Nevada	4.3	<10	87/05
April	03	01 17	East Kazakhstan	6.2	>80	87/06
	17	01 03	East Kazakhstan	6.0	40 - 150	87/07
	18	13 40	Nevada	5.5	40 - 150	87/08
	19	04 00	Ural	4.5	<10	87/09
	19	04 05	Ural	4.4	<10	87/10
	22	22 00	Nevada	4.2	<10	87/11
	30	13 30	Nevada	5.5	40 - 150	87/12
May	05	16 58	Mururoa	4.9	5 - 20	87/13
	06	04 02	East Kazakhstan	5.6	20 - 80	87/14
	20	17 05	Mururoa	5.6	20 - 80	87/15
June	05	05 00	Lop Nor	6.2	>80	87/16
	06	02 37	East Kazakhstan	5.3	10 - 40	87/17
	06	18 00	Mururoa	4.7	<10	87/18
	18	15 20	Nevada	#b	<10	87/19
	20	00 53	East Kazakhstan	6.1	>80	87/20
	20	16 00	Nevada	#b	<10	87/21
	21	17 55	Mururoa	5.1	5 - 20	87/22
	30	16 05	Nevada	4.6	<10	87/23
July	07	00 00	Central Siberia	5.1	10 - 40	87/24
	16	19 00	Nevada	4.8	5 - 20	87/25
	17	01 17	East Kazakhstan	5.8	40 - 150	87/26
	24	02 00	Central Siberia	5.1	5 - 20	87/27

Month 1987	Day	Universal Time h min	Locality	Estimated body-wave magnitude	Estimated yield kilotonnes	Sequence number
August	02	00 58	East Kazakhstan	5.9	40 - 150	87/28
	02	02 00	Novaya Zemlya	5.8	40 - 150	87/29
	12	01 30	Central Siberia	5.0	5 - 20	87/30
	13	14 00	Nevada	5.9	>80	87/31
September	16	07 30	East Kazakhstan	#c	#c	87/32
	18	02 32	East Kazakhstan	4.3	<10	87/33
	24	15 00	Nevada	5.7	>80	87/34
October	03	15 15	West Kazakhstan	5.2	10 - 40	87/35
	16	06 06	East Kazakhstan	4.6	<10	87/36
	23	16 00	Nevada	5.2	20 - 80	87/37
	23	16 50	Mururoa	5.5	20 - 80	87/38
November	05	17 30	Mururoa	5.7	40 - 150	87/39
	15	03 31	East Kazakhstan	6.0	40 - 150	87/40
	19	16 31	Mururoa	5.9	40 - 150	87/41
	29	17 59	Mururoa	4.6*	<10	87/42
December	01	16 30	Nevada	#d	<10	87/43
	02	16 30	Nevada	4.1	<10	87/44
	13	03 21	East Kazakhstan	6.1	40 - 150	87/45
	20	02 55	East Kazakhstan	4.8	<10	87/46
	27	03 05	East Kazakhstan	6.0	40 - 150	87/47
<u>1988</u>						
January			Nil			
February	06	04 19	East Kazakhstan	4.8	<10	88/01
	13	03 05	East Kazakhstan	6.0	40 - 150	88/02
	15	18 10	Nevada	5.3	20 - 80	88/03
March			Nil			
April	03	01 33	East Kazakhstan	6.0	40 - 150	88/04
	07	17 15	Nevada	4.1	<10	88/05
	22	09 30	East Kazakhstan	4.9	5 - 20	88/06

Month 1987	Day	Universal Time h min	Locality	Estimated body-wave magnitude	Estimated yield kilotonnes	Sequence number
May	04	00 57	East Kazakhstan	6.1	>80	88/07
	07	22 50	Novaya Zemlya	5.6	20 - 80	88/08
	11	17 00	Mururoa	5.5	20 - 80	88/09
	13	15 35	Nevada	4.8	5 - 20	88/10
	21	22 30	Nevada	4.3	<10	88/11
	25	17 01	Mururoa	5.6	20 - 80	88/12
June	02	13 00	Nevada	5.4	40 - 150	88/13
	14	02 27	East Kazakhstan	4.9	- 20	88/14
	16	17 15	Mururoa	4.8*	<10	88/15
	22	14 00	Nevada	#e	<10	88/16
	23	17 31	Mururoa	5.3	10 - 40	88/17

Notes: Information in this bulletin was derived from Australian seismological facilities and from institutions in other countries co-operating in the monitoring of earthquakes and nuclear explosions.

Unless otherwise noted, the estimated body-wave magnitude is that published by the United States National Earthquake Information Center and is based on observations of magnitude obtained from around the world, including from Australia.

The yields are estimated using empirical equations, but there is no single agreed formula for the determination of yields.

The yields estimated from these relations are not sufficiently accurate to determine compliance with international treaties.

* Magnitude estimated using Australian seismic data only.

#a United States Department of Energy Report (Richter magnitude - 2.2).

#b United States Department of Energy Report. Information insufficient to determine magnitude.

#c Insufficient data to estimate magnitude or yield.

#d United States Department of Energy Report (Richter magnitude - 2.2).

#e United States Department of Energy Report (Richter magnitude - 3.1).

AUSTRALIA

[Original: English]

[9 January 1989]

1. I have the honour to refer to General Assembly resolution 42/38 C, entitled "Notification of nuclear tests", paragraph 3 of which requests States that, while not themselves conducting nuclear explosions, possess data on such events to make such data available to the Secretary-General.
2. In accordance with that request, I have the honour to attach, in an appendix to this letter, details of nuclear explosions carried out from July to September 1988. I should be grateful if you would circulate this letter and its attachment as a document of the General Assembly.

APPENDIX

Data on nuclear explosions derived from Australian seismological facilities and from institutions in other countries co-operating in the monitoring of earthquakes and nuclear explosions

Report on presumed underground nuclear explosions

(July-September 1988)

Month 1988	Day	Universal Time		Locality	Estimated body-wave magnitude	Estimated yield kilotonnes	Sequence number
		h	min				
July	07	15	05	Nevada	5.7	>80	88/18
August	17	17	00	Nevada	5.4	40 - 150	88/19
	22	16	20	NW Siberia	5.3	10 - 40	88/20
	23	18	30	Nevada	4.1	<10	88/21
	30	18	00	Nevada	5.0	10 - 40	88/22
September	06	16	20	European USSR	4.8	<10	88/23
	14	04	00	East Kazakhstan	6.1	>80	88/24
	28	07	00	Lop Nor	4.9*	5 - 20	88/25

Notes: Information in this bulletin was derived from Australian seismological facilities and from institutions in other countries co-operating in the monitoring of earthquakes and nuclear explosions.

Unless otherwise noted, the estimated body-wave magnitude is that published by the United States National Earthquake Information Center and is based on observations of magnitude obtained from around the world, including from Australia.

The yields are estimated using empirical equations, but there is no single agreed formula for the determination of yields.

The yields estimated from these relations are not sufficiently accurate to determine compliance with international treaties.

* Magnitude estimated using Australian seismic data only.

UNION OF SOVIET SOCIALIST REPUBLICS

[Original: Russian]

[31 December 1988]

1. On 28 December 1988, at 8.28 a.m. Moscow time, an underground nuclear explosion with a yield of up to 20 kilotonnes was conducted in the Soviet Union, at a test site in the Semipalatinsk region.
2. The test was conducted to check the results of research into the physics of nuclear explosions.
3. Radiation levels in the test zone and outside the test site are normal.
