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PROGRESS REPORT
ON THE IMPLEMENTATION OF THE DUMPING PROTOCOL

1. The Protocol for the Prevention of Pollution of the Mediterranean Sea by Dumping from Ships and Aircraft was ratified by all Contracting Parties to the Barcelona Convention and entered into force on 12 February 1978.

2. According to articles 7 and 14 of the Protocol, Contracting Parties to the Protocol are to report on the permits given and actual dumping.

REPORTS ON PERMITS ISSUED

3. Since 1978, following information on permits issued were received from Contracting Parties to the Protocol:

EEC

Does not issue such permits since this is the responsibility of member states.

Greece

Reported that permit was not issued in the period May 1985-June 1986.

Israel

Reported that no permit was issued in 1986. Permit was issued in 1985 for the period 1985-1987.

Italy

Reported on permits issued in 1981, 1982 and 1983.

Malta

Reported that no permit was issued in 1987.

Monaco

Reported that no permit was issued in 1982-1984.

Yugoslavia

Reported that no permit was issued in 1982.

REPORTS IN ACTUAL DUMPING

4. Since 1978, following information on actual dumping was received from the Contracting Parties to the Protocol:

France

Reports on dumping of dredged materials in 1981, 1983, 1986 and 1987 were received and summary of information is presented in Table I.

Israel

Reports on dumping (in 1985, 1987 and 1988) of sludge from production of phosphoric acid were received and summary of information is presented in Table II.

Italy

Reports on dumping of dredged materials in 1980, 1981, 1982, 1983, 1985, 1986 and 1987 were received and summary of information is presented in Table III. Details of the composition of dredged materials are given in Table IV (1986) and Table V (1987).

Reports on dumping of industrial waste in 1982, 1983, 1986 and 1987 were received and summary of information is presented in Table VI.

CONCLUSIONS

5. Contracting Parties to the Dumping Protocol do not comply (with the exception of France, Israel and Italy) with the obligation to report to the secretariat about:

- issuance of permits
- non-issuance of permits ("nil" reports)
- reports on actual dumping

6. Since the situation is similar in the London Dumping Convention, herebelow is reproduced a paragraph from the document "Submission of information on activities related to waste disposal and incineration at Sea (LDC.2/Circ. 233, 13 March 1989):

"The Secretariat has also noted discrepancies in some cases between officially submitted notifications and information in scientific journals, seminar proceedings, etc., in that dumping operations and sites have been investigated by scientists but have never been reported to the Secretariat. At regional seminars experts have reported on dumping operations carried out by their neighbouring countries, but the Secretariat has had to admit that there is no information on such activities in its files. Likewise, on several occasions representatives from national authorities (e.g. maritime administrations) have mentioned that dumping is carried out by their countries, but the Secretariat had not received any data from the appropriate authority or authorities which, in accordance with Article VI(1) of the Convention, had been designated as the administration responsible for dumping".

7. It is obvious that Contracting Parties to the Protocol are not fulfilling the requirement on reporting and therefore it is recommended that they should report regularly on permits and actual dumping.

8. The Secretariat is preparing maps of approved dumping sites and plans to include them in the 1990 report on permits issued and dumping carried out.

Table I
DUMPING OF DREDGED MATERIAL* IN FRANCE

ORIGINAL OF MATERIAL	1981		1983		1986			1987				
	SETE	NICE	PORT LA NOUVELLE	PORT DE MARSEILLE	SETE	PORT LA NOUVELLE	PORT DE MARSEILLE	PORT DE HYERES LES PALMIERS	SETE	PORT LA NOUVELLE	PORT DE MARSEILLE	SAINT LOUIS S/RHONE
ACTUALLY DUMPED (m3)	238,000	160,000	250,000	240,000	143,050	227,440	16,000	18,850	162,400	200,000	15,000	4,000
AUTHORIZED (m3)	-	-	-	-	-	-	-	20,000	-	-	-	-
SOLID INSOLUBLE MATERIAL (t)	230,000	160,000	-	96,000	221,720	226,350	18,000	22,500	75,000	100,000	6,800	455
ORGANIC PARTIC. MATERIAL (t)	8,000	-	-	30,240	-	18,220	5,184	4,815	-	-	-	-
MERCURY (kg)	-	-	-	-	-	-	3.4	3.4	-	-	163	-
CADMIUM (kg)	-	-	-	-	-	-	8.7	8.7	-	-	72	-
ARSENIC (kg)	-	-	-	-	-	-	-	92.1	-	-	-	-
CHROMIUM (kg)	-	-	-	-	-	-	1,524	77.2	-	-	1,431	15
COPPER (kg)	-	-	-	-	-	-	10,540	842.6	-	-	11,638	12
LEAD (kg)	-	-	-	-	-	-	2,986	723.4	-	-	3,641	12
NICKEL (kg)	-	-	-	-	-	-	192	195.3	-	-	211	14
ZINC (kg)	-	-	-	-	-	-	6,816	2,047.5	-	-	7,347	55
PCB (kg)	-	-	-	-	-	-	27.1	4	-	-	65	-
TOTAL HYDROCARBONS (kg)	-	-	-	480	-	-	-	-	-	-	29,886	99

* Port dredges

Table II

DUMPING OF SLUDGE* IN ISRAEL

	1985	1987	1988
ACTUALLY DUMPED (t)	4,630	36,000	36,000
AUTHORIZED (t)	72,000	66,000	66,000
SOLID INSOLUBLE MATERIAL (t)	236	1,835	1,835
MERCURY (kg)	0.3	2.1	2.1
CADMIUM (kg)	23.50	182	182
ARSENIC (kg)	46	358	358
CHROMIUM (kg)	77	599	599
COPPER (kg)	58	450	450
LEAD (kg)	4	32	32
NICKEL (kg)	46	359	359
ZINC (kg)	576	4,478	4,478

* Sludge from production of phosphoric acid

Table III

DUMPING OF DREDGED MATERIAL* IN ITALY (1980-1987)

<u>ORIGIN</u>	<u>ACTUALLY DUMPED (m³)</u>	<u>LICENCED (m³)</u>
<u>1980</u>		
CIVITAVECCHIA	30,000	90,000
POZZUOLI	10	30,000
TORRE ANNUNZIATA	9,500	14,000
CIVITAVECCHIA	25,000	80,000
CASAVICCILO	30,000	30,000
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	94,510	244,000
<u>1981</u>		
ANCONA	24,000	50,000
BARI	69,000	70,000
MOLA DI BARI	67,000	67,000
BARLETTA	50,000	50,000
GENOVA	35,000	90,000
ARBATAX	312,000	312,000
CROTONE	262,000	262,000
LAMPEDUSA	75,000	100,000
PESARO	86,214	87,000
CAGLIARI	184,700	200,000
CAGLIARI	136,000	120,000
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	1 300,914	1 408,000
<u>1982</u>		
POLCEVERA	57,150	326,000
ITALSIDER	250	3,000
FANO	-	15,000
PESCARA	170,700	-
ORTONA	150,000	-
PORTO TORRES	11,000	11,000
ANCONA	18,000	41,000
CROTONE	600,000	600,000
TORRE AUGUSTA	3,000	30,000
LICATA	100,000	300,000
CHIPRAVANNA	25,000	25,000
POLCEVERA	100,000	150,000
TORRE VALDALIGA	10,000	90,000
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	1 245,100	1 591,000

* Port or canal dredges

<u>ORIGIN</u>	<u>ACTUALLY DUMPED (m³)</u>	<u>LICENCED (m³)</u>
<u>1983</u>		
ISCHIA	33,500	33,500
PROCIDA	28,150	28,150
ANZIO	60,000	65,000
ANCONA	1,200	26,000
ANCONA	750,000	676,470
PESCARA	143,180	-
S. BENEDETTO DEL TRONTO	20,000	150,000
ARBATAX	200	139,000
CROTONE	103,200	618,500
CAMPALTO	1,150,000	1,550,000
MUGGIANO	1,200	1,200
SGORBINI	22,400	22,400
SCAURI	1,500	1,300
PIGONATI	15,000	780,000
COSTA MORENA	45,000	60,000
BARLETTA	60,000	60,000
MAZARA DEL VALLO	133,000	133,000
VENEZIA	450,000	350,000
POLCEVERA	143,000	324,000
MANFREDONIA	60,000	60,000
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	3 220,530	5 078,520

<u>ORIGIN</u>	<u>ACTUALLY DUMPED (m³)</u>	<u>LICENCED (m³)</u>
<u>1985</u>		
BARI	6,750	20,000
BARLETTA	50,000	50,000
S. BENEDETTO DEL TRONTO	150,000	150,000
CROTONE	300,000	619,000
CASTELLAMARE	9,000	10,000
MARINA DI CARRARA	420,000	-
BAGNOLI	2,100	10,000
LICATA	85,000	100,000
FORMIA	47,000	65,000
LA SPEZIA	399,000	1,326,000
SIRACUSA	150,000	270,000
BRENTA	10,000	10,000
CEDAS	5,000	5,000
LAGO VARANO	7,000	7,000
LAGO VARANO	25,000	30,000
PALERMO	92,000	160,000
PALERMO	8,000	8,000
ARBATAX	15,000	139,000
CAGLIARI	361,000	400,000
GRADO	3,500	6,000
TAGLIAMENTO	14,000	14,000
BRINDISI	1,200	2,400
COSTA MORENA	6,000	6,000
SALERNO	218,000	700,000
MARINA DI CAMEROTA	38,700	-
FIUMICINO	50,000	50,000
TERRACINA	100,000	100,000
ANZIO	60,000	65,000
SENIGALLIA	6,000	-
SENIGALLIA	23,000	14,000
NUMANA	3,000	3,000
POLCEVERA	4,500	326,000
RAPALLO	30,000	30,000
GENOVA	5,800	12,000
POLCEVERA	23,000	150,000
GENOVA	68,910	320,000
VENEZIA	21,000	480,000
COMPLATO	1,170,000	1,550,000
PORTO MARGHERA	13,750	100,000
VENEZIA	43,000	60,000
MESTRE	30,000	100,000
POMEZIA	4,500	29,000
MARGHERA	154,000	400,000
S. SPIRITO	95,000	150,000
PORTO MARGHERA	15,000	40,000
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	4 343,710	8 086,400

<u>ORIGIN</u>	<u>ACTUALLY DUMPED (m³)</u>	<u>LICENCED (m³)</u>
<u>1986</u>		
VIGNOLA	17,420	50,000
PORTO MARGHERA	2,250	30,000
PORTO MARGHERA	44,500	60,000
LIDO	248,000	400,000
VENEZIA	341,250	480,000
PORTO MARGHERA	41,000	100,000
VENEZIA	12,500	60,000
MARGHERA	750	80,000
ROMAGNA	49,560	50,000
FANO	12,000	12,000
CESENATICO	37,000	100,000
BELLARIA	3,000	17,000
CATTOLICA	15,000	55,000
FANO	55,000	55,000
S. GIULIANO	3,000	10,500
CAGLIARI	305,000	-
ARBATAX	50,000	139,000
PORTOVESME	38,853	38,853
LIVORNO	8,000	8,000
S. STEFANO	60,000	60,000
STASSO	18,700	16,000
S. MARIA LA SCALA	5,000	5,000
TERMINI IMERESE	316,000	316,000
PORTICELLO	25,000	25,000
SENIGALLIA	27,624	20,000
SENIGALLIA	24,500	30,000
ORTONA	20,000	20,000
TERMOLI	7,000	7,000
VIAREGGIO	10	10
M. DI CARRARA	70	70
MONTALTO DI CASTRO	251,920	350,000
CAPRI	15,000	16,000
CROTONE	19,000	20,000
M. DI PISCIOTTA	2,000	9,000
S. BENEDETTO DEL TRONTO	100	100
AUGUSTA	160,000	130,000
R. CALABRIA	3,500	3,500
TRICASE	6,000	6,000
TERRACINA	58,000	58,000
PESARO	1,500	1,500
SCIALLE	32,000	32,000
VENEZIA	830,000	830,000
CESENATICO	50,000	50,000
PESCARA	150,000	150,000
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	3 367,007	3 900,533

<u>ORIGIN</u>	<u>ACTUALLY DUMPED (m³)</u>	<u>LICENCED (m³)</u>
<u>1987</u>		
MARGHERA	-	40,000
CERVIA	-	8,000
LA SPEZIA	-	900,000
TERRACINA	-	58,000
ORTONA	-	2,000,000
BRINDISI	-	120,000
GIULIANOVA	-	180,000
CIVITANOVA	-	20,000
SORRENTO	-	10,000
VIAREGGIO	-	50,000
PORTO NOGARO	-	83,000
LA SPEZIA	-	85,000
MARGHERA	-	350,000
CHIOGGIA	-	440,000
VENEZIA	-	460,000
MALAMOCCO	-	8,000
MARGHERA	-	120,000
CIVITAVECCHIA	105,000	150,000
NUMANA	-	10,000
TERMINI IMERESE	-	1,100,000
RICCIONE	-	15,000
S. ANTONIO	-	220,000
ANCONA	-	60,000
SCIACCA	-	28,000
MARGHERA	792,774	682,000
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	897,774	7 197,000

SUMMARY

1980	94,510	244,000
1981	1,300,914	1,408,000
1982	1,245,100	1,591,000
1983	3,220,530	5,078,520
1985	4,343,710	8,086,400
1986	3,367,007	3,900,533
1987	897,774	7,197,000
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	14,469,545	27,505,453

Table IV

DETAILS ON DUMPING OF DREDGED MATERIALS* IN ITALY IN 1986

	VENEZIA	CESENATICO	PESCARA
ACTUALLY DUMPED (t)	830,000	50,000	150,000
AUTHORIZED (t)	830,000	50,000	150,000
MERCURY (kg)	0.38	-	0.69
CADMIUM (kg)	0.61	1.7	2
ARSENIC (kg)	8.02	-	6
CHROMIUM (kg)	14.1	17.6	610
COPPER (kg)	23.5	7.2	43
LEAD (kg)	26	15.6	76
NICKEL (kg)	29.2	22.2	42
ZINC (kg)	150	16.4	114
OTHERS (kg)	-	F 1.8	HH. 1.09

* Information on quantities of materials actually dumped and authorized is included in Table on Dumping of dredged materials in Italy (1980-1987)

Table V

DUMPING OF DREDGED MATERIALS* IN ITALY IN 1987

	LA SPEZIA	MARGHERA	CHIOGGIA	VENEZIA	MALANCOCCO	MARGHERA	CIVITAVECCHIA	NOVARA	IMPERESE	RICCIONE	S. ANTONIO	ANCONA	SCIACCA	MARGHERA
ACTUALLY DUMPED (m ³)	-	-	-	-	-	-	105,000	-	-	-	-	-	-	792,774
AUTHORIZED (m ³)	85,000	350,000	440,000	460,000	8,000	120,000	150,000	10,000	1,100,000	15,000	220,000	60,000	28,000	682,000
MERCURY (mg/kg)	-	0.4	0.5	1.2	2	1.5	0.5	-	-	-	0.5	-	0	0.1
CADMIUM (mg/kg)	-	3.5	4.3	6.6	5	6.3	0.5	0	-	0.3	1	1	0	1.5
ARSENIC (mg/kg)	-	15.4	1.8	1.8	27	19.4	-	-	-	-	6.9	-	-	1.2
CHROMIUM (mg/kg)	-	14	47.2	19	33	20	21	0	-	1.5	1	0.1	0.1	1
COPPER (mg/kg)	2	25	34.3	57	86	66.5	26	4	-	-	5	3	-	2.8
LEAD (mg/kg)	-	51	40.7	82	160	51.5	32.6	1	0	8.4	1	5.4	0.1	3
NICKEL (mg/kg)	10.8	33	44.5	39	-	33.5	27.3	-	-	10	-	-	-	2
ZINC (mg/kg)	-	184	135.3	375	879	503	110	20	0	1.5	-	40	-	7.9
OTHER (mg/kg)	Fe 7.2	-	-	-	-	-	P 64.2 Ph 12	NH3 3	SO4 188	-	Se 9.1	-	-	Be 0.1 V 7
MINERAL OILS	-	-	82	11	47	36	23	-	28	-	-	-	-	-

* Information on quantities of materials actually dumped and authorized is included in Table on dumping of dredged materials in Italy (1980-1987).

Table VI

DUMPING OF INDUSTRIAL WASTE IN ITALY (1982-1987)

COMPANY	CITY	YEAR	AMOUNT AUTHORIZED	AMOUNT DUMPED	MANUFACTURING	POLLUTANTS
DAUNA	MANFREDONIA	1982	-	112,000	CAPROLATTAM	60% Caprolattam
DAUNA	MANFREDONIA	1983	-	129,850	CAPROLATTAM	15% others (Organic acids)
DAUNA	MANFREDONIA	1987	110,000	45,101	CAPROLATTAM	
SIBIT	SCARLINO	1982		482,787	TITANIUM DIOXIDE	in mg/kg Fe 17,000 Ni 1.8
SIBIT	SCARLINO	1983		589,241	TITANIUM DIOXIDE	Al 900 Pb 10
SIBIT	SCARLINO	1986	1,896,000	197,391	TITANIUM DIOXIDE	Ti 2,000 Zn 12 Mn 2,000 Cu 2.5 Cr 110 Cd 0.15 V 250
BERMONT AUSIDET	MARGHERA	1982		981,000	PHOSPHORIC ACID	in percentage CaSO ₄ 93
		1983	1,536,000	1,047,165	HYDROFLUORIC ACID	CaF ₂ 6