



MINISTRY OF PUBLIC UTILITIES AND THE ENVIRONMENT

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MPUE: 20/3/4

May 16, 2006

Mr. Maged Younes
Head
Chemicals Branch, DTIE
Mercury Programme
UNEP Chemicals
11-13, Chemin de Anémones
CH-1219 Châtelaine
Geneva
Switzerland

Dear Mr. Younes,

Re: Governing Council Decision 23/9 IV on Mercury Programme – Report Summarizing Supply, Trade and Demand Information for Mercury.

Reference to your letter dated March 15, 2006 on the subject at caption.

In this regard, please find as request under Appendix I, II and III a Report Summarizing Supply, Trade and Demand Information for Mercury in Trinidad and Tobago.

Sincerely,


.....
Earl Nesbitt

Permanent Secretary
Ministry of Public Utilities and the Environment

Post-it® Fax Note	7671	Date	16.05.06	# of pages	▶
To	MR. MAGED YOUNES	From	PS EARL NESBITT		
Co./Dept.	HEAD CHEMICALS BRANCH DTIE	Co.	MPUE		
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APPENDIX I

SUBMISSION OF SUPPLY, TRADE AND DEMAND INFORMATION ON MERCURY

BACKGROUND

Mr. Wayne Rajkumar
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Environmental Management Authority
8 Elizabeth St. St Clair
Port of Spain.
Trinidad and Tobago
West Indies
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1. SUPPLY OF MERCURY

- No production of primary mercury either as main product of mining activity or as by-product of mining or refining of other metals (such as zinc, gold or silver) or minerals;
- Trace amounts of mercury present in natural gas are adsorbed onto molecular sieves at the liquefied natural gas plant (LNG) in Point Fortin Trinidad for recycling in the USA. Plant began operations in 1999 and no shipments have been made as yet since molecular sieves for mercury adsorption have a life span of approximately 10 years (personal communication Atlantic LNG Company of Trinidad and Tobago);
- Industrial catalyst that have become spent are returned to the supplier/manufactures for recovery purposes (personal communication Point Lisas Industrial Port Development Company Limited);
- No known Government stockpiles or inventories at this time;
- Chlorine that is manufactured locally uses technology that does not involve mercury cells (personal communication ANSA MCAL CHEMICALS LTD.);
- The Hazardous Waste Inventory Study that was commissioned in 2006 will be periodically updated to collect and publish data on hazardous waste streams using BASEL categories in the first instance. National legislation is under development and will encompass all hazardous waste streams including mercury and its associated compounds.

2. TRADE IN MERCURY

Trade Statistics/Additional Information

Table: Comparison of data from Central Statistical Office (Trinidad and Tobago) Vs Comtrade for Metal Halide Lamps\Mercury\Sodium Vapour

Year	Exports (kg)		Imports (kg)		
	Comtrade	CSO	Comtrade	CSO	
2003	2884	19091	19937	19091	
2002	80	81	23655	23638	
2001	100	99	9613	9615	

- As the above table indicates, there is a close relationship between the reported data from the local and international statistical bodies except for 2003 exports. Data on movement of mercury in and out of Trinidad and Tobago thus far seems to generally accurate.
- There is no local requirement to identify the final destination or use of the mercury being transported.

3. DEMAND FOR MERCURY

- Production of mercury containing batteries – does not produce, or export, for annual imports see appendix III.
- Fluorescent, high-intensity discharge (HID) and other lamps containing mercury – only produces fluorescent lamps – no data to report. For other lamps imports see appendix III.
- No data to report for other mercury containing products:
 - Dental amalgam (CSO annual imports)
 - Mercury bulb thermometers (CSO annual imports)
 - Barometers (CSO annual imports)
 - Manometers (CSO annual imports)
 - Medical devices (CSO annual imports)
 - Paints (CSO annual imports)
 - Cosmetics (CSO annual imports)
- Mercury based chlor-alkali facilities – none exist locally
- Other facilities that use mercury or mercury compounds as a catalyst – no data to report.

4. ARTISANAL AND SMALL-SCALE GOLD MINING (ASM)

No ASM done in country

APPENDIX II

DATA SOURCE: CENTRAL STATISTICAL OFFICE

EXPORTS (DOMESTIC AND FOREIGN) AND DOMESTIC PRODUCE 1995 - NOV2005

S.I.T.(REV.3) CODE (HS)	COMMODITY DESCRIPTION UNIT A UNIT B COUNTRY OF ORIGIN	TOTAL EXPORTS		OF WHICH EXPORTS OF DOMESTIC PRODUCE	
		QUANTITY A	QUANTITY B	QUANTITY A	QUANTITY B
		VALUE \$FOB		VALUE \$FOB	
		SELECTED ITEMS			
778-22.900	OTHER DISCHARGE LAMPS				
-8539	KG				
	GUYANA	26	248		
	ST. VINCENT	10	116	10	116
	PUERTO RICO	2	445		
	STORES AND BUNKERS	189	7,240	160	5,580
	TOTAL	207	8,049	170	5,676
1995					
778-22.900	OTHER DISCHARGE LAMPS				
-8539	KG				
	GUYANA	614	39,819	601	38,744
	DOMINICA	1	117		
	GRENADA	85	33,389	85	33,389
	ST. LUCIA	40	1,707	40	1,707
	SURINAME	15	413		
	STORES AND BUNKERS	548	12,120	406	11,030
	TOTAL	1,303	87,565	1,132	84,870
1997					
522-29.000	ALKALI, RARE EARTH				
-2805	METALS, MERCURY				
	KG				

TOTAL	7	951	6	802
GRENADA	1	149		
ST. LUCIA	6	802	6	802

778-22.900 OTHER DISCHARGE LAMPS
-8539 KG

TOTAL	4,300	204,223	863	94,899
BARBADOS	1	1,416		
GRENADA	261	6,084		
GUYANA	893	17,874	7	529
JAMAICA	100	71,905	100	71,905
ST. KITTS AND NEVIS	1,600	74,150		
ST. LUCIA	475	8,865	345	7,440
ST. VINCENT AND THE GRE		7,681	9	417
STORES AND BUNKERS	506	16,248	402	14,608

1998

778-22.900 OTHER DISCHARGE LAMPS
-8539 KG

TOTAL	961	36,261	577	16,170
GRENADA	114	10,091	9	90
GUYANA	145	1,230		
JAMAICA	2	105		
ST. VINCENT/GRENADINES	269	7,609	180	390
STORES AND BUNKERS	431	17,226	388	15,720

1999

778-11.700 MERCURIC OXIDE
-8506 KG NO

TOTAL	6	450	6	450
STORES AND BUNKERS	6	450	6	450

778-22.200

METAL HALIDE LAMPS
-8539 MERCURY/SODIUM VAPOUR
KG

TOTAL	6	450	6	450
STORES AND BUNKERS	6	450	6	450

TOTAL	165	4,952
ANTIGUA AND BARBUDA	1	566
GRENADA	73	1,607
GUYANA	90	1,479
ST. LUCIA	1	1,300

2000

522-27.000 MERCURY
-2805 KG

TOTAL

4

4,518

4

4,518

778-22.200

METAL HALIDE LAMPS
-8539 MERCURY/SODIUM VAPOUR
KG NO

TOTAL
BARBADOS
GRENADA
STORES AND BUNKERS

298
13
280
5

9,307
1,861
7,226
220

289
8
280
5

7,666
220
7,226
220

2001

778-11.700

MERCURIIC OXIDE
-8506
KG NO

TOTAL
STORES AND BUNKERS

20
20

637
637

20
20

1
1
637
637

778-22.200

METAL HALIDE LAMPS
-8539 MERCURY/SODIUM VAPOUR
KG

TOTAL

100

3,913

40

2,300

GRENADA
ST. LUCIA
STORES AND BUNKERS

54
6
40

1,411
202
2,300

40

2,300

2002

522-27.000 MERCURY

-2805
KG

TOTAL
U.S.A.

140
140

13,857
13,857

778-11.700 MERCURIC OXIDE

-8506
KG NO

TOTAL
STORES AND BUNKERS

9
9

42
42

350
350

7
7

24
24

200
200

778-22.200 METAL HALIDE LAMPS

-8539 MERCURY/SODIUM VAPOUR
KG

TOTAL
GRENADA
ST. VINCENT AND THE GRENAL

81
60
21

8,154
3,700
4,454

26
25
1

4,330
2,100
2,230

2003

522-27.000 (280) MERCURY

KG

TOTAL
UNITED KINGDOM

5
5

5,019
5,019

778-11.700 (850) MERCURIC OXIDE

KG NO

TOTAL 2 4 2,157
 U.S.A. 2 4 2,157

778-22.200 (853) METAL HALIDE LAMPS
 MERCURY/SODIUM VAPOUR
 KG

TOTAL 19,091 493,954
 JAPAN 3 7,173
 MEXICO 11 605
 TAIWAN 3,668 110,530
 U.S.A. 15,409 375,646

2004

522-27.000 (290) MERCURY
 KG

TOTAL 126 17,797
 U.S.A. 68 8,746
 UNITED KINGDOM 58 9,051

778-11.700 (850) MERCURIC OXIDE
 KG NO

TOTAL 1 1 344
 CHINA 1 1 344

778-22.200 (853) METAL HALIDE LAMPS
 MERCURY/SODIUM VAPOUR
 KG NO

TOTAL 23,385 33,054 1,257,576
 CHINA 14,859 23,566 827,077
 GERMANY 1 4 734
 JAPAN 246 3,130 456
 NETHERLANDS 7,887 5,952 34,142
 U.S.A. 392 380 368,309
 UNITED KINGDOM 26,858

JAN-NOV. 2005

522-27.000 (280) MERCURY
KG

TOTAL	109		4,577
INDIA	29		532
SPAIN	10		940
U.S.A.	70		3,105

778-11.700 (850) MERCURIC OXIDE
KG NO

TOTAL		1	17
U.S.A.		1	17

778-22.200 (853) METAL HALIDE LAMPS
MERCURY/SODIUM VAPOUR
KG NO

TOTAL	121,533	29,851	2,550,577
BELGIUM	52	216	60,527
CHINA	18,501	7,706	502,882
GERMANY	32	168	15,689
TAIWAN	384	100	14,940
U.S.A.	102,308	17,514	1,850,355
UNITED KINGDOM	238	4,122	102,806
VENEZUELA	18	25	3,378

APPENDIX III

DATA SOURCE: CENTRAL STATISTICAL OFFICE

IMPORTS 1995-NOV 2005

S.I.T.C.(REV.3) CODE (HS)	COMMODITY DESCRIPTION UNIT A UNIT B COUNTRY OF ORIGIN	QUANTITY A	QUANTITY B	VALUE \$CIF
1995	'SELECTED ITEMS'			
522-29.000	(2805) ALKALI, RARE EARTH METALS, MERCURY KG			
	U.S.A.	2,968		33,901
	GERMANY	36		4,210
	TOTAL	3,004		38,111
778-22.900	(8539) OTHER DISCHARGE LAMPS KG			
	UNITED KINGDOM	252		47,645
	CANADA	963		57,756
	AUSTRALIA	2		11,156

IRELAND		
U.S.A.	39,348	428
VENEZUELA	2	2,016,601
BRAZIL	3	41
NETHERLANDS	3	1,923
FRANCE	3	806
ITALY	3	5,796
JAPAN	515	2,558
MEXICO		77,281
CHINA	198	247
SWEDEN		9,592
GERMANY	22	60
HUNGARY	31	49,025
TAIWAN	2,016	16,350
KOREA, SOUTH	19	126,614
TOTAL	43,377	2,303
		2,426,182

1996

522-29,000 (2805)	ALKALI, RARE EARTH METALS, MERCURY KG		
	U.S.A.	1,605	21,027
	SPAIN	100	18,882
	TOTAL	1,705	39,909

778-22,900 (8539)	OTHER DISCHARGE LAMPS KG		
	UNITED KINGDOM	801	113,664
	CANADA	800	155,422
	MALAYSIA		60
	HONG KONG		113

KOREA, NORTH	8	1,552
U.S.A.	30,472	1,337,139
BRAZIL	5,116	1,205
NETHERLANDS	14	27,684
FRANCE	5	3,364
ITALY		179
JAPAN	161	80,614
SWITZERLAND	5	5,944
MEXICO	7	2,088
CHINA	240	3,784
NORWAY		53
SWEDEN		169
GERMANY	16	18,315
PUERTO RICO	50	844
FINLAND	531	16,157
AUSTRIA		183
TAIWAN	447	26,405
KOREA, SOUTH	22	1,417
TOTAL	38,695	1,796,355

1997

522-29.000 (2805)
 ALKALI, RARE EARTH
 METALS, MERCURY
 KG

TOTAL	4,148	197,835
U.S.A.	2,945	184,467
UNITED KINGDOM	1,203	13,368

778-22.900 (8539)
 OTHER DISCHARGE LAMPS
 KG

TOTAL	119,807	4,684,187
BELGIUM	4	1,248
BRAZIL	6	427
CANADA	5,268	269,852
CHINA	881	33,712
CZECHOSLOVAKIA (FORMER)	5	537
DENMARK	1	82
FRANCE	37	6,180
GERMANY	75	35,005
HONG KONG	310	8,245
ITALY	3	534
JAPAN	239	101,859
KOREA, D. P. REP.	5	722
KOREA, REPUBLIC OF	4	1,913
MEXICO	5	819
NETHERLANDS	23	3,707
NETHERLANDS ANTILLES	22	2,460
PANAMA	1	93
PUERTO RICO	141	7,933
SINGAPORE	1	441
SPAIN	12	2,595
SWITZERLAND	800	66,534
TAIWAN	1,305	49,675
U. S. A.	110,035	4,042,007
UNITED KINGDOM	624	47,607

1998

522-29,000 (2805)

ALKALI, RARE EARTH METALS, MERCURY KG		
TOTAL	3,240	47,753
U.S.A.	3,109	40,784

778-22.900 (8539)		OTHER DISCHARGE LAMPS	
		KG	
UNITED KINGDOM	131	6,969	
TOTAL	152,250	3,782,756	
AUSTRIA	1	3,166	
BELGIUM	28	17,216	
BRAZIL	1	342	
CANADA	25,206	466,078	
CHINA	1,553	50,690	
CZECHOSLOVAKIA		885	
FRANCE	4	713	
GERMANY	292	33,164	
GUYANA	6	252	
HONG KONG	1,285	19,563	
HUNGARY	2	343	
INDIA	258	9,518	
INDONESIA	60	1,213	
ITALY	4	458	
JAPAN	257	71,999	
KOREA, NORTH	4	607	
KOREA, SOUTH	1	678	
MEXICO	7	1,311	
NETHERLANDS	91	19,993	
NETHERLANDS ANTILLES	36	3,465	
NEW ZEALAND	1	156	
PERU	15	344	
PUERTO RICO		655	
SINGAPORE	19	18,577	
SWEDEN	8	2,320	
TAIWAN		85,026	
U.S.A.	120,679	2,876,776	
UNITED KINGDOM	553	96,461	
VENEZUELA	1	787	

1999

522-27.000 (2805)

MERCURY

KG

TOTAL
U.S.A.

193 8,291
193 8,291

778-11.700 (8506)

MERCURIC OXIDE

KG NO

TOTAL
MEXICO
SWITZERLAND
TAIWAN

152 102 13,905
3 1 543
149 100 13,027
1 1 335

778-22.200 (8599)

METAL HALIDE LAMPS
MERCURY/SODIUM VAPOUR
KG

TOTAL
CANADA
CHINA
GERMANY
JAPAN
PANAMA
U.S.A.
UNITED KINGDOM

23,806 1,283,931
2,616 179,491
11,179 113,082
3 5,833
46 6,571
159 2,351
9,728 968,803
75 7,800

2000

522-27.000 (2805)

MERCURY
KG

TOTAL	29		1,964
U. S. A.	2		67
UNITED KINGDOM	27		1,897

778-11.700 (8506) MERCURIC OXIDE
KG NO

TOTAL	270	5,408	3,862
CHINA	22	2,500	2,071
U. S. A.	248	2,908	1,791

778-22.200 (8539) METAL HALIDE LAMPS
MERCURY/SODIUM VAPOUR
KG NO

TOTAL	4,302		212,813
CANADA	581		35,718
GERMANY			442
U. S. A.	3,554		169,230
UNITED KINGDOM	167		7,423

2001

522-27.000 (2805) MERCURY
KG

TOTAL	197		22,281
U. S. A.	197		22,281

778-11.700 (8506) MERCURIC OXIDE

KG NO			
TOTAL	31	76	631
U.S.A.	31	76	631

778-22.200 (8539)

METAL HALIDE LAMPS
MERCURY/SODIUM VAPOUR
KG

TOTAL	9,615	326,061
CANADA	164	15,399
JAPAN	9	20,486
NETHERLANDS	3	162
TAIWAN	330	9,142
U.S.A.	8,873	263,868
UNITED KINGDOM	236	17,024

2002

522-27.000 (2805)

MERCURY
KG

TOTAL	49	5,702
U.S.A.	1	126
UNITED KINGDOM	48	5,576

778-11.700 (8506)

MERCURIC OXIDE
KG NO

TOTAL	1	12	159
UNITED KINGDOM	1	12	159

778-22.200 (8539)

METAL HALIDE LAMPS
MERCURY/SODIUM VAPOUR
KG

TOTAL	23,638		857,216
AUSTRIA	223		38,508
CANADA	136		8,377
CHINA	1,353		109,464
ITALY		95	
TAIWAN	3,310		115,609
U. S. A.	18,270		532,328
UNITED KINGDOM	346		52,835

2003

522-27.000 (2805)

MERCURY
KG

TOTAL	5		5,019
UNITED KINGDOM	5		5,019

778-11.700 (8506)

MERCURIC OXIDE
KG NO

TOTAL	2	4	2,157
U. S. A.	2	4	2,157

778-22.200 (8539)

METAL HALIDE LAMPS
MERCURY/SODIUM VAPOUR
KG

TOTAL	19,091	493,954
JAPAN	3	7,173
MEXICO	11	605
TAIWAN	3,668	110,530
U. S. A.	15,409	375,646

2004

522-27.000 (2805)
MERCURY
KG

TOTAL	126	17,797
U. S. A.	68	8,746
UNITED KINGDOM	58	9,051

778-11.700 (8506)
MERCURIC OXIDE
KG NO

TOTAL	1	1	344
CHINA	1	1	344

778-22.200 (8539)
METAL HALIDE LAMPS
MERCURY/SODIUM VAPOUR
KG NO

TOTAL	23,385	33,054	1,257,576
CHINA	14,859	23,588	827,077
GERMANY			734
JAPAN	1	4	456
NETHERLANDS	246	3,130	34,142
U. S. A.	7,887	5,952	368,309
UNITED KINGDOM	392	380	26,856

JAN.-NOV. 2005

522-27.000 (2805)

MERCURY
KG

TOTAL
INDIA
SPAIN
U.S.A.

109
29
10
70

4,577
532
940
3,105

778-11.700 (8506)

MERCURIC OXIDE
KG NO

TOTAL
U.S.A.

1
1

17
17

778-22.200 (8539)

METAL HALIDE LAMPS
MERCURY/SODIUM VAPOUR
KG NO

TOTAL
BELGIUM
CHINA
GERMANY
TAIWAN
U.S.A.
UNITED KINGDOM
VENEZUELA

121,533
52
18,501
32
384
102,308
238
18

29,851
216
7,706
168
100
17,514
4,122
25

2,550,577
60,527
502,882
15,689
14,940
1,850,355
102,806
3,378