Introdu

This workb It was prep Data is coll It is intend Inquiries to

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Version 2.3, 25 April 2014 Peer reviewed final presentation of 2012 data

ook compiles, adjusts and totals jurisdictional data underpinning Australia's Basel data report for 2012. Dared for the Department of the Environment in 2013/14 by Blue Environment, supported by Environ and Ranc ated in six-monthly units so that jurisdictional financial year data can be converted to Basel calendar year data ed that this data workbook can be reused each year, with adjustments, for preparing the annual Basel report. Joe Pickin 0403 562 621 or 03 5426 3536



lell Environmental Consulting.

ACT input to Australia's Basel Convention report This worksheet translates data on ACT controlled wastes into Basel codes (via NEPM codes)

ACT -	controlled wastes (NEPM)	
Code	Waste description	Waste type
Α	Waste resulting from surface treatment of metals and plastics	A100
	Waste from heat treatment and tempering operations containing cyanides	A110
	Cyanides (inorganic)	A130
В	Acidic solutions or acids in solid form	B100
С	Basic solutions or bases in solid form	C100
D	Metal carbonyls	D100
	Inorganic fluorine compounds excluding calcium fluoride Mercury; mercury compounds	D110 D120
	Arsenic; arsenic compounds	D120 D130
	Chromium compounds (hexavalent and trivalent)	D130
	Cadmium; cadmium compounds	D150
	Beryllium; beryllium compounds	D160
	Antimony; antimony compounds	D170
	Thallium; thallium compounds	D180
	Copper compounds	D190
	Cobalt compounds	D200
	Nickel compounds	D210
	Lead; lead compounds	D220
	Zinc compounds	D230
	Selenium; selenium compounds	D240
	Tellurium; tellurium compounds	D250
	Vanadium compounds	D270
	Barium compounds (excluding barium sulphate)	D290
	Non-toxic salts	D300
	Boron compounds	D310
	Inorganic sulfides Perchlorates	D330 D340
	Chlorates	D340 D350
	Phosphorus compounds excluding mineral phosphates	D350
E	Waste containing peroxides other than hydrogen peroxide	E100
F	Waste from the production, formulation and use of inks, dyes, pigments, paints, lacquers and varnish	F100
•	Waste from the production, formulation and use of resins, latex, plasticisers, glues and adhesives	F110
G	Ethers	G100
	Organic solvents excluding halogenated solvents	G110
	Halogenated organic solvents	G150
	Waste from the production, formulation and use of organic solvents	G160
Н	Waste from the production, formulation and use of biocides and phytopharmaceuticals	H100
	Organic phosphorous compounds	H110
	Waste from manufacture, formulation and use of wood-preserving chemicals	H170
J	Waste mineral oils unfit for their original intended use	J100
	Waste oil/water, hydrocarbons/water mixtures or emulsions	J120
K	Waste tarry residues arising from refining, distillation, and any pyrolytic treatment	J160
К	Animal effluent and residues (abattoir effluent, poultry and fish processing wastes) Grease trap waste	K100 K110
	Tannery wastes (including leather dust, ash, sludges and flours)	K110 K140
	Wool scouring wastes	K190
М	Waste substances and articles containing or contaminated with polychlorinated biphenyls, polychlorinated napthalenes,	
	polychlorinated terphenyls and/or polybrominated biphenyls	M100
	Phenols, phenol compounds including chlorophenols	M150
	Organo halogen compounds—other than substances referred to in this Table or Table 2	M160
	Polychlorinated dibenzo-furan (any congener)	M170
	Polychlorinated dibenzo-p-dioxin (any congener)	M180
	Cyanides (organic)	M210
	Isocyanate compounds	M220
	Triethylamine catalysts for setting foundry sands Surface active agents (surfactants), containing principally organic constituents and which may contain metals and inorganic materials	M230 M250
	Highly adarage arganic chamicals (including marcantane and accidence)	
NI	Highly odorous organic chemicals (including mercaptans and acrylates) Containers and drums that are contaminated with residues of substances referred to in this list	M260 N100
Ν	Soils containing with a controlled waste	N100 N120
	Fire debris and fire wash waters	N120 N140
	Fly ash, excluding fly ash generated from Australian coal fired power stations	N140 N150
	Encapsulated, chemically-fixed, solidified or polymerised wastes referred to in this list	N160
	l'Encapsulated, chemicaliv-fixed, solidified of polymerised wastes referred to in this list	

Key

	Residues from industrial waste treatment/disposal operations	N205
	Asbestos	N220
	Ceramic-based fibres with physico-chemical characteristics similar to those of asbestos	N230
R	Clinical and related wastes	R100
	Waste pharmaceuticals, drugs and medicines	R120
	Waste from the production and preparation of pharmaceutical products	R140
Т	Waste chemical substances arising from research and development or teaching activities, including those which are not identified	
	and/or are new and whose effects on human health and/or the environment are not known	T100
	Waste from the production, formulation and use of photographic chemicals and processing materials	T120
	Tyres	T140
	Waste of an explosive nature not subject to other legislation	T200

Space for jurisdiction to enter data Jurisdictional data as provided Consultant to provide estimate Data not collected

Tonnes generated

Ton	nes genera	ted
Jul-Dec 2011	Jan-Jun 2012	Jul-Dec 2012
0	0	0
0	0	0
0	0	0
0	3	0
11	3	1
0	0	0
0	0	0
21	13	5
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
47	158	132
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
34	31	96
0	0	1
0	0	0
20	13	21
3	4	4
0	0	0
0	0	0
0	0	0
493	577	686
433	1,078	899
0	0	0
0	0	0
2,659	2,509	3,091
0	0	0
0	0	0
16	0	18
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
5	4	7
70	198	6
0	0	0
0	0	0
0	0	0
0	0	0

Nationa	l Environment Protection	(Moven
"15" code	NEPM 15 waste description	"75" code
A	Plating and heat treatment	A100
		A110
	A side	A130 B100
B C	Acids Alkalis	C100
D	Inorganic chemicals	D100
	C C	D110
		D120
		D130
		D140 D150
		D150
		D170
		D180
		D190
		D200
		D210
		D220 D230
		D230
		D250
		D270
		D290
		D300
		D310 D330
		D330
		D350
		D360
E	Reactive chemicals	E100
F	Paints, resins, inks, organic	F100
G	sludges Organic solvents	F110 G100
6	organic solvents	G100 G110
		G150
		G160
н	Pesticides	H100
		H110
J	Oils	H170 J100
	0113	J100
		J160
К	Putrescible/ organic waste	K100
		K110
		K140 K190
М	Organic chemicals	M100
		M150
		M160
		M170
		M180
		M210 M220
		M230
		M250
		M260
N	Soil/ sludge	N100
		N120
		N140 N150
		N150
		N190

0	0	0
0	0	20
0	0	0
107	125	150
0	1	0
0	0	0
30	15	23
19	15	18
164	709	630
0	0	0

		N205
		N220
		N230
R	Clinical and pharmaceutical	R100
		R120
		R140
Т	Miscellaneous	T100
		T120
		T140
		T200

ent of Controlled Waste between States and Territories) Measure	Τοι	nnes genera	
Waste description (NEPM Schedule A, List 1)	Jul-Dec 2011	Jan-Jun 2012	
Waste resulting from surface treatment of metals and plastics	0	0	
Waste from heat treatment and tempering operations containing cyanides	0	C	
Cyanides (inorganic)	0	0	
Acidic solutions or acids in solid form	0	3	
Basic solutions or bases in solid form Metal carbonyls	0	3	
Inorganic fluorine compounds excluding calcium fluoride	0	C	
Mercury; mercury compounds	21	13	
Arsenic; arsenic compounds	0	0	
Chromium compounds (hexavalent and trivalent)	0	0	
Cadmium; cadmium compounds	0	0	
Beryllium; beryllium compounds Antimony; antimony compounds	0	0	
Thallium; thallium compounds	0	0	
Copper compounds	0	0	
Cobalt compounds	0	0	
Nickel compounds	0	C	
Lead; lead compounds	47	158	
Zinc compounds	0	C	
Selenium; selenium compounds	0	C	
Tellurium; tellurium compounds	0	0	
Vanadium compounds	0	0	
Barium compounds (excluding barium sulphate) Non-toxic salts	0	0	
Non-toxic saits Boron compounds	0	0	
Inorganic sulfides	0	0	
Perchlorates	0	0	
Chlorates	0	C	
Phosphorus compounds excluding mineral phosphates	0	0	
Waste containing peroxides other than hydrogen peroxide	0	0	
Waste from the production, formulation and use of inks, dyes, pigments, paints, lacquers and varnish	34	31	
Waste from the production, formulation and use of resins, latex, plasticisers, glues and adhesives Ethers	0	0	
Organic solvents excluding halogenated solvents	20	13	
Halogenated organic solvents	3	4	
Waste from the production, formulation and use of organic solvents	0	C	
Waste from the production, formulation and use of biocides and phytopharmaceuticals	0	0	
Organic phosphorous compounds	0	0	
Waste from manufacture, formulation and use of wood-preserving chemicals	0	0	
Waste mineral oils unfit for their original intended use	493	577 1,078	
Waste oil/water, hydrocarbons/water mixtures or emulsions Waste tarry residues arising from refining, distillation, and any pyrolytic treatment	420	1,078	
Animal effluent and residues (abattoir effluent, poultry and fish processing wastes)	0	0	
Grease trap waste	2,659	2,509	
Tannery wastes (including leather dust, ash, sludges and flours)	0	C	
Wool scouring wastes	0	0	
Waste substances and articles containing or contaminated with polychlorinated biphenyls, polychlorinated napthalenes,	16	C	
polychlorinated terphenyls and/or polybrominated biphenyls			
Phenols, phenol compounds including chlorophenols	0	0	
Organo halogen compounds—other than substances referred to in this Table or Table 2 Polychlorinated dibenzo-furan (any congener)	0	0	
Polychlorinated dibenzo-p-dioxin (any congener)	0	0	
Cyanides (organic)	0	0	
Isocyanate compounds	0	C	
Triethylamine catalysts for setting foundry sands	0	C	
Surface active agents (surfactants), containing principally organic constituents and which may contain metals and inorganic	0	C	
materials	-		
Highly odorous organic chemicals (including mercaptans and acrylates) Containers and drums that are contaminated with residues of substances referred to in this list	0	4	
Soils contaminated with a controlled waste	70	198	
Fire debris and fire wash waters	70	198	
Fly ash, excluding fly ash generated from Australian coal fired power stations	0	0	
Encapsulated, chemically-fixed, solidified or polymerised wastes referred to in this list	0	0	
Filter cake contaminated with residues of substances referred to in this list	0	C	

Residues from industrial waste treatment/disposal operations	0	0
Asbestos	0	0
Ceramic-based fibres with physico-chemical characteristics similar to those of asbestos	0	0
Clinical and related wastes	107	125
Waste pharmaceuticals, drugs and medicines	0	1
Waste from the production and preparation of pharmaceutical products	0	0
Waste chemical substances arising from research and development or teaching activities, including those which are not		
identified and/or are new and whose effects on human health and/or the environment are not known	30	15
Waste from the production, formulation and use of photographic chemicals and processing materials	19	15
Tyres	164	709
Waste of an explosive nature not subject to other legislation	0	0

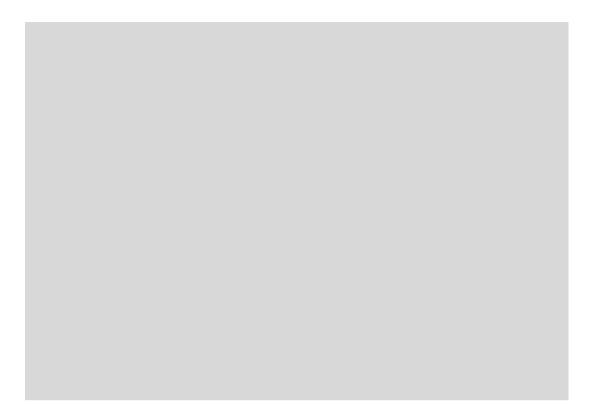
	nvention	Т
Code	Waste description (Annex 1)	Jul-Dec 2011
Y1	Clinical wastes from medical care in hospitals, medical centres and clinics	10
Y2	Wastes from the production and preparation of pharmaceutical products	
Y3	Waste pharmaceuticals, drugs and medicines	
Y4	Wastes from the production of biocides and phytopharmaceuticals	
Y5	Wastes from the manufacture of wood preserving chemicals	
Y6	Wastes from the production, formulation and use of organic solvent	
<u>Y7</u> Y8	Wastes from heat treatment and tempering operations containing cyanides Waste mineral oils unfit for their originally intended use	49
Y9	Waste mineral oils unit for their originally intended use	4
Y10	Waste substancescontaining or contaminated with PCBs, PCTs, PBBs	
Y11	Waste substances from refining, distillation and any pyrolytic treatment	
Y12	Wastes from production of inks, dyes, pigments, paints, etc	
Y13	Wastes from productionresins, latex, plasticizers, glues, etc	
Y14	Waste chemical substances arising environment are not known	
Y15	Wastes of an explosive nature not subject to other legislation	
Y16	Wastes from production, formulation and use of photographic chemicals	
Y17	Wastes resulting from surface treatment of metals and plastics	
Y18	Residues arising from industrial waste disposal operations	
	Wastes having as constituents	
Y19	Metal carbonyls	
Y20	Beryllium; beryllium compounds	
Y21	Hexavalent chromium compounds	
Y22	Copper compounds	
Y23	Zinc compounds	
Y24	Arsenic; arsenic compounds	
Y25	Selenium; selenium compounds	
Y26	Cadmium; cadmium compounds	
Y27	Antimony; antimony compounds	
Y28	Tellurium; tellurium compounds	
Y29	Mercury; mercury compounds	
Y30	Thallium; thallium compounds	
Y31	Lead; lead compounds	
Y32 Y33	Inorganic fluorine compounds excluding calcium fluoride Inorganic cyanides	
Y34	Acidic solutions or acids in solid form	
Y35	Basic solutions or bases in solid form	
Y36	Asbestos (dust and fibres)	
Y37	Organic phosphorus compounds	
Y38	Organic cyanides	
Y39	Phenols; phenol compounds including chlorophenols	
Y40	Ethers	
Y41	Halogenated organic solvents	
Y42	Organic solvents excluding halogenated solvents	
Y43	Any congenor of polychlorinated dibenzo-furan	
Y44	Any congenor of polychlorinated dibenzo-p-dioxin	
Y45	Organohalogen compounds other than(e.g. Y39, Y41, Y42, Y43, Y44)	
	Categories of wastes requiring special consideration (Annex II)	
Y46	Wastes collected from households	
Y47	Residues arising from the incineration of household wastes	
	Additional waste categories not included in Y-Codes	1
1	Other metal compounds Other inorganic chemicals	
2	Other organic chemicals	
<u>3</u> 4	Putrescible/ organic waste	2,6
<u>4</u> 5	Waste packages and containers containing Annex 1 substances in concentrations sufficient to	2,0
Э	exhibit Annex III hazard characteristics	
6	Soils contaminated with residues of substances in Basel Y-codes 19-45	
7	Sludges contaminated with residues of substances in Basel Y-codes 19-45	
/	Tyres	1

ited

Jul-Dec 2012

	0
1	20
	0
15	50
	0
	0
	23
1	18
63	18 30
	0

nnes generat	ed
Jan-Jun 2012	Jul-Dec 2012
125	150
0	0
1	0
0	0
0	0
0	0
577	686
1,078	899
0	18
0	0
31	96
0 15	1 23
0	0
15	18
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
13	5
0	0
158 0	132
0	0
3	0
3	1
0	20
0	0
0	0
0	0
4	4
13	21
0	0
0	0
0	0
0	0
0	0 0
2,509	3,091
4	7
198	6
0	0
709	630



vorksheet translates data on NSW trackable wastes into Basel codes (via NEPM codes)	Key			diction to enter data						
				provide estimate						
			Data not colle							
rackable wastes (List 1 and List 2)		-			National Environment	rotection (Movement of Controlled Waste between States and Territories) Measure	То	onnes generated	Basel Convention	Toppor goporated
			onnes gene		National Environment			-		Tonnes generated
Vaste description		Jul-Dec 2011	Jan-Jun 201	Jul-Dec 2012	"15" code NEPM 15 waste	"75" code Waste description (NEPM Schedule A, List 1)	Jul-Dec 2011	Jan-Jun 2012 Jul-Dec 2012	Code Waste description (Annex 1)	Jul-Dec 2011 Jan-Jun 2012 Jul-Dec
laste resulting from surface treatment of metals and plastics	A100		4	1 1	A Plating and heat	A100 Waste resulting from surface treatment of metals and plastics	4	22 1	Y1 Clinical wastes from medical care in hospitals, medical centres and clinics	
Vaste from heat treatment and tempering operations containing cyanides	A110		6	0 0	treatment	A110 Waste from heat treatment and tempering operations containing cyanides	6	i 0 0	Y2 Wastes from the production and preparation of pharmaceutical products	140 105
yanides (inorganic)	A130		0	5 0		A130 Cyanides (inorganic)	0	5 0	Y3 Waste pharmaceuticals, drugs and medicines	
cidic solutions or acids in solid form	B100	9,79			B Acids	B100 Acidic solutions or acids in solid form	9,791		Y4 Wastes from the production of biocides and phytopharmaceuticals	195 202
asic solutions or bases in solid form	C100	3,00	9 2,7	53 2,462	C Alkalis	C100 Basic solutions or bases in solid form	3,009	2,753 2,462	Y5 Wastes from the manufacture of wood preserving chemicals	16 0
etal carbonyls.	D100		0	0 0	D Inorganic chemicals	D100 Metal carbonyls	0	0 0	Y6 Wastes from the production, formulation and use of organic solvent	316 490
norganic fluorine compounds (excluding calcium fluoride).	D110		8	5 556		D110 Inorganic fluorine compounds excluding calcium fluoride	8	5 556	Y7 Wastes from heat treatment and tempering operations containing cyanides	6 0
fercury and mercury compounds.	D120	89	14 1	80 100		D120 Mercury; mercury compounds	894	130 100	Y8 Waste mineral oils unfit for their originally intended use	61,926 93,411
rsenic and arsenic compounds.	D130		9	83 28		D130 Arsenic; arsenic compounds	9	33 28	Y9 Waste oils/water, hydrocarbons/water mixtures, emulsion	39,721 53,338
hromium compounds (hexavalent and trivalent).	D140	7,54	4 4	19 267		D140 Chromium compounds (hexavalent and trivalent)	7,540	419 267	Y10 Waste substancescontaining or contaminated with PCBs, PCTs, PBBs	1,013 834
admium and cadmium compounds.	D150		6	9 3		D150 Cadmium; cadmium compounds	6	i 9 3	Y11 Waste tarry residues from refining, distillation and any pyrolytic treatment	52 159
teryllium and beryllium compounds.	D160		0	0 0		D160 Beryllium; beryllium compounds	0	0 0	Y12 Wastes from production of inks, dyes, pigments, paints, etc	5,899 6,452
ntimony and antimony compounds.	D170		0	0 0		D170 Antimony; antimony compounds	0	0 0	Y13 Wastes from productionresins, latex, plasticizers, glues, etc	1,120 1,716
hallium; thallium compounds	D180		0	0 0		D180 Thallium; thallium compounds	0	0 0	Y14 Waste chemical substances arising environment are not known	1,054 1,268
opper compounds.	D190		5	1 8		D190 Copper compounds	5	1 8	Y15 Wastes of an explosive nature not subject to other legislation	142 108
obalt and cobalt compounds.	D200	1	6	18 34		D200 Cobalt compounds	16	18 34	Y16 Wastes from production, formulation and use of photographic chemicals	95 91
lickel compounds.	D210	2	19	9 0		D210 Nickel compounds	29	9 0	Y17 Wastes resulting from surface treatment of metals and plastics	4 22
ead and lead compounds.	D220 D230	11,01	8 3,7	6,490		D220 Lead; lead compounds	11,018		Y18 Residues arising from industrial waste disposal operations	17,522 17,660
inc compounds.		31	1 2	18 225		D230 Zinc compounds	311	248 225	Wastes having as constituents	- I I I
elenium and selenium compounds.	D240	+	0	0 0		D240 Selenium; selenium compounds	0	0 0	Y19 Metal carbonyls	0 0
ellurium; tellurium compounds	D250	+	0	0 0		D250 Tellurium; tellurium compounds	0	0 0	Y20 Beryllum; beryllum compounds	0 0
anadium compounds	D270	+	1	51 16		D270 Vanadium compounds	1	31 16	Y21 Hexavalent chromium compounds	7,540 419
larium compounds.	D290	+	0	0 0		D290 Barium compounds (excluding barium sulphate)	0	0 0	Y22 Copper compounds	5 1
ion-toxic salts	D300	6,35	2 6,0	9,210		D300 Non-toxic salts	6,352	6,076 9,210	Y23 Zinc compounds	311 248
loron compounds.	D310 D330	+	0	0 79		D310 Boron compounds	0	0 79	Y24 Arsenic; arsenic compounds	9 33
organic sulfides			1	0 0		D330 Inorganic sulfides	1	0 0	Y25 Selenium; selenium compounds	0 0
erchlorates	D340		0	0 0		D340 Perchlorates	0	0 0	Y26 Cadmium; cadmium compounds	6 9
hiorates	D350		0	0 0		D350 Chlorates D360 Phosphonis compounds excluding mineral phosphates	0	0 0	Y27 Antimony; antimony compounds	0 0
hosphorus compounds excluding mineral phosphates	D360	-	0	2 20			0	2 20	Y28 Tellurium; tellurium compounds	0 0
laste containing peroxides other than hydrogen peroxide	E100	5.89	16	99 81	E Reactive chemicals	E100 Waste containing peroxides other than hydrogen peroxide	106		Y29 Mercury; mercury compounds	894 130
vaste from the production, formulation and use of inks, dyes, pigments, paints, lacquers and varnish	F100				 Paints, resins, inks, 	F100 Waste from the production, formulation and use of inks, dyes, pigments, paints, lacquers and varnish	5,899		Y30 Thalium; thalium compounds	0 0
Vaste from the production, formulation and use of resins, latex, plasticisers, glues and adhesives there	F110	1,12	1,7	16 5,711	organic sludges	F110 Waste from the production, formulation and use of resins, latex, plasticisers, glues and adhesives 6100 Ethers	1,120	1,716 5,711	Y31 Lead; lead compounds	11,018 3,750
	G100	1.70	0 17	0 0	G Organic solvents		0	0 0	Y32 Inorganic fluorine compounds excluding calcium fluoride	8 5
Organic solvents excluding halogenated solvents	G110					G110 Organic solvents excluding halogenated solvents	1,709		Y33 Inorganic cyanides	0 5
alogenated organic solvents	6150	11	7 1	1 104		G150 Halogenated organic solvents	117 316		Y34 Acidic solutions or acids in solid form	9,791 7,101
Vaste from the production, formulation and use of organic solvents Vaste from the production, formulation and use of bioxides and phytopharmaceuticals	G160	31	6 4 15 2	445		G160 Waste from the production, formulation and use of organic solvents H100 Waste from the production, formulation and use of biorides and phytopharmaceuticals	316		Y35 Basic solutions or bases in solid form Y36 Achiestos (dust and filmes)	3,009 2,753
	H100	19	5 2	32 174	H Pesticides		195	202 174		
Drganic phosphorous compounds	H110		1	1 12		H110 Organic phosphorous compounds	1	11 12	Y37 Organic phosphorus compounds	1 11
Naste from manufacture, formulation and use of wood-preserving chemicals	H170	1	6	0 14		H170 Waste from manufacture, formulation and use of wood-preserving chemicals	16	0 14	Y38 Organic cyanides	0 0
Vaste mineral oils unfit for their original intended use	J100	61,92			J Oils	J100 Waste mineral oils unfit for their original intended use	61,926		Y39 Phenols; phenol compounds including chlorophenols	116 63
Vaste oil/water, hydrocarbons/water mixtures or emulsions	J120	\$9,72	1 53,3	58 52,971		1120 Waste oil/water, hydrocarbons/water mixtures or emulsions	\$9,721	159 102	Y40 Ethers	0 0
vaste tarry residues arising from refining, distillation, and any pyrolytic treatment	J160 K100		12 1	59 102		1160 Waste tarry residues arising from refining, distillation, and any pyrolytic treatment	52	159 102	Y41 Halogenated organic solvents	117 121
nimal effluent and residues (abattoir effluent, poultry and fish processing wastes)	K100		_		K Putrescible/ organic	K100 Animal effluent and residues (abattoir effluent, poutry and fish processing wastes)			Y42 Organic solvents excluding halogenated solvents	1,709 1,736
irease trap waste	K110 K130		-	_		K110 Grease trap waste			Y43 Any congenor of polychiorinated dibenzo-furan	0 0
eware sludee and residues including nightsoil and sectic tank sludee annery wastes (including leather dust, ash, sludges and flours)	K130 K140		-			K140 Tannerv wastes including leather dust, ash, sludges and flours1 K190 Wool scouring wastes			Y44 Anv concentr of polychlorinated diberzo-p-dioxin Y45 Organohalogen compounds other than (e.g. Y39, Y41, Y42, Y43, Y44)	0 0
iool scouring wastes			-	_	M Organic chemicals					3 4
non noning wants	к190				M Organic chemicals	M100 Waste substances and articles containing or contaminated with polychlorinated biphenyls, polychlorinated napthalenes, polychlorinated terchenyls and/or polybominated higheryls.	1,013	834 1,094	Categories of wastes requiring special consideration (Annex II)	
Vaste substances and articles containing or contaminated with polychlorinated biphenyls, polychlorinated napthalenes, polychlorinated	M100	1,01	3 8	1,094		M150 Phenols, phenol compaunds including chlorophenols	116	63 54	Y46 Wastes collected from households	
thenois, phenoi compounds including chlorophenois	M150	11	6	53 54		M160 Organo halogen compoundsother than substances referred to in this Table or Table 2	3	2 3	Y47 Residues arising from the incineration of household wastes	
rgano halogen compoundsother than substances referred to in this Table or Table 2	M160		3	2 3		M170 Polychlorinated dibenzo-furan (any congener)	0	0 0	Additional waste categories not included in Y-Codes	
olychlorinated dibenzo-furan (any congener)	M170		0	0 0		M180 Polychlorinated dibenzo-p-dioxin (any congener)	0	0 0	1 Other metal compounds	46 58
olychlorinated diberzo-p-dioxin (arry congener)	M180		0	0 0		M210 Cyanides (organic)	0	0 0	2 Other inorganic chemicals	6,353 6,078
vanides (organic)	M210		0	0 0		M220 Isocyanate compounds	87	40 41	3 Other organic chemicals	6,521 5,811
ocyanate compounds	M220	8	17	41		M230 Triethylamine catalysts for setting foundry sands	0	0 0	4 Putrescible/ organic waste	0 0
Friethylamine catalysts for setting foundry sands	M230					Surface active agents (surfactants), containing principally organic constituents and which may contain metals and inorganic	6.434	5 771 4 295	5 Waste packages and containers containing Annex 1 substances in concentrations sufficient to	
	M230		0	0 0		M250 materials	6,434	5,771 4,295	exhibit Annex III hazard characteristics	
urface active agents (surfactants), containing principally organic constituents and which may contain metals and inorganic materials	M250	6,43	14 5,7	4,295		M260 Highly odorous organic chemicals (including mercaptans and acrylates)	0	0 0	6 Soils contaminated with residues of substances in Basel Y-codes 19-45	
ighly odorous organic chemicals (including mercaptans and acrylates)	M260	1	0	0 0	N Soil/ sludge	N100 Containers and drums that are contaminated with residues of substances referred to in this list			7 Sludges contaminated with residues of substances in Basel Y-codes 19-45	5,025 2,600
ontainers and drums that are contaminated with residues of substances referred to in this Table	N100					N120 Soils contaminated with a controlled waste			8 Tyres	
oils contaminated with a substance or waste referred to in this Table	N120					N140 Fire debris and fire wash waters	459	626 700	· · · · ·	
ire debris and fire wash waters	N140	45	9 6	26 700		N150 Fly ash, excluding fly ash generated from Australian coal fired power stations	0	0 0		
y ash.	N150		0	0 0		N160 Encapsulated, chemically-fixed, solidified or polymerised wastes referred to in this list	5,996	4,915 7,412		
ncapsulated, chemically-fixed, solidified or polymerised wastes referred to in this list	N160	5,99	4,9	15 7,412		N190 Filter cake contaminated with residues of substances referred to in this list	4,566			
	N190	4,5£	i6 1,9	74 1,626		N205 Residues from industrial waste treatment/disposal operations	11,526	12,746 12,516		
iter cake	N205	11,52	12,7	16 12,516		N220 Asbestos				
						N230 Ceramic-based fibres with physico-chemical characteristics similar to those of asbestos	0	0 0		
	N220		-	0 0	R Clinical and	R100 Clinical and related wastes				
esidaes from industrial waste treatment/disposal operations sbestos	N220 N230							+ + +		
lesidues from industrial waste treatment/disposal operations subsetor arginic-based fibres with physico-chemical characteristics similar to those of asbestos	N230		0		pharmaceutical	R120 Waste pharmaceuticals, drugs and medicines				
service the set of the set o		-	0		pharmaceutical		140	105 224		
asidaes from industrial waste treatment/disposit operations adaetos areains based thores with physics-chemical characteristics similar to those of asbestos Nicela adar tatated wastes and pharmacentolic, drugs and medicines	N230 8100 8120		0		pharmaceutical T Miscellaneous	R140 Waste from the production and preparation of pharmaceutical products Waste chemical substances arisine from research and development or teachine activities, including those which are not	140	105 224		
exisions from industrial waste treatment/disposal operations detector main: based there with physics chamical characteristics similar to those of asbestor listical and traited wastes and pharmocentricits, drugs and medicines	N230 8100	14	0	05 224		R140 Waste from the production and preparation of pharmaceutical products	140	105 224 i 1,268 1,333		
The Cale The	N230 8100 8120 8140	14	10 10	05 224		R160 Wate from the production and preparation of planmacentral product: Wate formal substances and preparation of planmacentral product Wate formal substances and preparation from research and development or tracking activities, including those which are not sensitized and/or are new and whose effects on human health and/or the environment are not known	140			
insidies from historial water brattenet/disposal operations blackto araunch candel from with physics chemical drastantistics similar to those of aubertas for the pharmacolicita, drug and matchies with pharmacolicita, drug and matchies with on the specification of any approximation of pharmacouncil products with on the specification and any approximation of pharmacouncil products with a the mission of the specification of the specification of the specification and any approximation of the with a the mission of the specification o	N230 8100 8120	14	0 10 1/	05 224 08 1,333		R140 Waste from the production and preparation of pharmaceutical products Waste chemical substances arising from research and development or teaching activities, including those which are not	140 1,054 95	1 105 224 1,268 1,333 91 125		
close from inductive such treatment/prove layerstons both both both both both both both both	N230 8100 8120 8140	14	0 10 1) 14 1,2	25 224 58 1,333		R160 Wate from the production and preparation of planmacentral product: Wate formal substances and preparation of planmacentral product Wate formal substances and preparation from research and development or tracking activities, including those which are not sensitized and/or are new and whose effects on human health and/or the environment are not known	140 1,054 95			

IT - (controlled wastes (NEPM)	
Code	Waste description	Waste type
A	Waste resulting from surface treatment of metals and plastics	A100
	Waste from heat treatment and tempering operations containing cyanides	A110
	Cyanides (inorganic)	A130
В	Acidic solutions or acids in solid form	B100
С	Basic solutions or bases in solid form	C100
D	Metal carbonyls	D100
	Inorganic fluorine compounds excluding calcium fluoride	D110
	Mercury; mercury compounds	D120
	Arsenic; arsenic compounds	D130
	Chromium compounds (hexavalent and trivalent)	D140
	Cadmium; cadmium compounds	D150
	Beryllium; beryllium compounds	D160
	Antimony; antimony compounds	D170
	Thallium; thallium compounds	D180
	Copper compounds	D190
	Cobalt compounds	D200
	Nickel compounds	D210
	Lead; lead compounds	D220
	Zinc compounds	D230
	Selenium; selenium compounds Tellurium; tellurium compounds	D240
	Vanadium compounds	D250
	Barium compounds (excluding barium sulphate)	D270 D290
	Non-toxic salts	D290
	Boron compounds	D300
	Inorganic sulfides	D310
	Perchlorates	D330
	Chlorates	D340
	Phosphorus compounds excluding mineral phosphates	D350
E	Waste containing peroxides other than hydrogen peroxide	E100
F	Waste from the production, formulation and use of inks, dyes, pigments, paints, lacquers and varnish	F100
•	Waste from the production, formulation and use of resins, latex, plasticisers, glues and adhesives	F110
G	Ethers	G100
0	Organic solvents excluding halogenated solvents	G110
	Halogenated organic solvents	G150
	Waste from the production, formulation and use of organic solvents	G160
н	Waste from the production, formulation and use of biocides and phytopharmaceuticals	H100
	Organic phosphorous compounds	H110
	Waste from manufacture, formulation and use of wood-preserving chemicals	H170
J	Waste mineral oils unfit for their original intended use	J100
	Waste oil/water, hydrocarbons/water mixtures or emulsions	J120
	Waste tarry residues arising from refining, distillation, and any pyrolytic treatment	J160
К	Animal effluent and residues (abattoir effluent, poultry and fish processing wastes)	K100
	Grease trap waste	K110
	Tannery wastes (including leather dust, ash, sludges and flours)	K140
	Wool scouring wastes	K190
	Waste substances and articles containing or contaminated with polychlorinated biphenyls, polychlorinated napthalenes,	
Μ	polychlorinated terphenyls and/or polybrominated biphenyls	M100
	Phenols, phenol compounds including chlorophenols	M150
	Organo halogen compounds—other than substances referred to in this Table or Table 2	M160

M170

NT input to Australia's Basel Convention report

Polychlorinated dibenzo-furan (any congener)

	Polychlorinated dibenzo-p-dioxin (any congener)	M180
	Cyanides (organic)	M210
	Isocyanate compounds	M220
	Triethylamine catalysts for setting foundry sands	M230
	Surface active agents (surfactants), containing principally organic constituents and which may contain metals and inorganic materials	M250
	Highly odorous organic chemicals (including mercaptans and acrylates)	M260
Ν	Containers and drums that are contaminated with residues of substances referred to in this list	N100
	Soils contaminated with a controlled waste	N120
	Fire debris and fire wash waters	N140
	Fly ash, excluding fly ash generated from Australian coal fired power stations	N150
	Encapsulated, chemically-fixed, solidified or polymerised wastes referred to in this list	N160
	Filter cake contaminated with residues of substances referred to in this list	N190
	Residues from industrial waste treatment/disposal operations	N205
	Asbestos	N220
	Ceramic-based fibres with physico-chemical characteristics similar to those of asbestos	N230
R	Clinical and related wastes	R100
	Waste pharmaceuticals, drugs and medicines	R120
	Waste from the production and preparation of pharmaceutical products	R140
т	Waste chemical substances arising from research and development or teaching activities, including those which are not identified and/or are new and whose effects on human health and/or the environment are not known	T100
	Waste from the production, formulation and use of photographic chemicals and processing materials	T120
	Tyres	T140
	Waste of an explosive nature not subject to other legislation	T200

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Nationa	l Environment Protectio	n (Movem
"15" code	NEPM 15 waste description	"75" code
A	Plating and heat treatment	A100
		A110
		A130
В	Acids	B100
С	Alkalis	C100
D	Inorganic chemicals	D100
		D110
		D120
		D130
		D140
		D150
		D160
		D170
		D180
		D190
		D200
		D210 D220
		D220
		D230
		D240
		D230
		D290
		D300
		D310
		D330
		D340
		D350
		D360
E	Reactive chemicals	E100
F	Paints, resins, inks, organic	F100
	sludges	F110
G	Organic solvents	G100
		G110
		G150
		G160
н	Pesticides	H100
		H110
	Oile	H170
J	Oils	J100
		J120 J160
К	Putrescible/ organic waste	K100
, K	. accounter or Barne Waste	K100
		K110 K140
		K110 K190
М	Organic chemicals	M100
		M150
		M160
		M170

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126	0	64
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46	57	67
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62	100	24
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		M180
		M210
		M220
		M230
		M250
		M260
N	Soil/ sludge	N100
		N120
		N140
		N150
		N160
		N190
		N205
		N220
		N230
R	Clinical and pharmaceutical	R100
		R120
		R140
Т	Miscellaneous	T100
		T120
		T140
		T200

ent of Controlled Waste between States and Territories) Measure

Waste description (NEPM Schedule A, List 1)

Tonnes generate

Jan-Jun 2012

Jul-Dec 2011

Waste resulting from surface treatment of metals and plastics	0	0
Waste from heat treatment and tempering operations containing cyanides	0	0
Cyanides (inorganic)	0	0
Acidic solutions or acids in solid form	15	7
Basic solutions or bases in solid form	29	81
Metal carbonyls	0	0
Inorganic fluorine compounds excluding calcium fluoride	0	0
Mercury; mercury compounds	0	22
Arsenic; arsenic compounds	0	0
Chromium compounds (hexavalent and trivalent)	0	0
Cadmium; cadmium compounds	0	0
		-
Beryllium; beryllium compounds	0	0
Antimony; antimony compounds	0	0
Thallium; thallium compounds	0	0
Copper compounds	0	0
Cobalt compounds	0	0
Nickel compounds	0	0
Lead; lead compounds	142	224
Zinc compounds	0	0
Selenium; selenium compounds	0	0
Tellurium; tellurium compounds	0	0
Vanadium compounds	0	0
Barium compounds (excluding barium sulphate)	0	0
Non-toxic salts	0	0
Boron compounds	0	0
Inorganic sulfides	0	0
Perchlorates	0	0
Chlorates	0	0
Phosphorus compounds excluding mineral phosphates	0	0
Waste containing peroxides other than hydrogen peroxide	0	0
Waste from the production, formulation and use of inks, dyes, pigments, paints, lacquers and varnish	1	0
Waste from the production, formulation and use of resins, latex, plasticisers, glues and adhesives	1	1
Ethers	0	0
Organic solvents excluding halogenated solvents	22	7
Halogenated organic solvents	0	1
Waste from the production, formulation and use of organic solvents	0	0
Waste from the production, formulation and use of biocides and phytopharmaceuticals	0	0
Organic phosphorous compounds	0	0
Waste from manufacture, formulation and use of wood-preserving chemicals	1	0
Waste mineral oils unfit for their original intended use	369	206
Waste oil/water, hydrocarbons/water mixtures or emulsions	42	101
Waste tarry residues arising from refining, distillation, and any pyrolytic treatment	8	8
Animal effluent and residues (abattoir effluent, poultry and fish processing wastes)	0	0
Grease trap waste	0	0
Tannery wastes (including leather dust, ash, sludges and flours)	0	0
Wool scouring wastes	0	0
Waste substances and articles containing or contaminated with polychlorinated biphenyls, polychlorinated napthalenes,	+	
polychlorinated terphenyls and/or polybrominated biphenyls	34	0
Phenols, phenol compounds including chlorophenols	0	0
Organo halogen compounds—other than substances referred to in this Table or Table 2	0	0
Polychlorinated dibenzo-furan (any congener)	0	0
	0	0

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sasel Co	onvention	
Code	Waste description (Annex 1)	Jul-Dec
Y1	Clinical wastes from medical care in hospitals, medical centres and clinics	
Y2	Wastes from the production and preparation of pharmaceutical products	
Y3	Waste pharmaceuticals, drugs and medicines	
Y4	Wastes from the production of biocides and phytopharmaceuticals	
Y5	Wastes from the manufacture of wood preserving chemicals	
Y6	Wastes from the production, formulation and use of organic solvent	
Y7	Wastes from heat treatment and tempering operations containing cyanides	
Y8	Waste mineral oils unfit for their originally intended use	
Y9	Waste oils/water, hydrocarbons/water mixtures, emulsion	
Y10	Waste substancescontaining or contaminated with PCBs, PCTs, PBBs	
Y11	Waste tarry residues from refining, distillation and any pyrolytic treatment	
Y12	Wastes from production of inks, dyes, pigments, paints, etc	
Y13	Wastes from productionresins, latex, plasticizers, glues, etc	
Y14	Waste chemical substances arising environment are not known	
Y15	Wastes of an explosive nature not subject to other legislation	
Y16	Wastes from production, formulation and use of photographic chemicals	
Y17	Wastes resulting from surface treatment of metals and plastics	
Y18	Residues arising from industrial waste disposal operations	
	Wastes having as constituents	÷
Y19	Metal carbonyls	
Y20	Beryllium; beryllium compounds	
Y21	Hexavalent chromium compounds	
Y22	Copper compounds	
Y23	Zinc compounds	
Y24	Arsenic; arsenic compounds	
Y25	Selenium; selenium compounds	
Y26	Cadmium; cadmium compounds	
Y27	Antimony; antimony compounds	
Y28	Tellurium; tellurium compounds	
Y29	Mercury; mercury compounds	
Y30	Thallium; thallium compounds	
Y31	Lead; lead compounds	
Y32	Inorganic fluorine compounds excluding calcium fluoride	
Y33	Inorganic cyanides	
Y34	Acidic solutions or acids in solid form	
Y35	Basic solutions or bases in solid form	
Y36	Asbestos (dust and fibres)	
Y37	Organic phosphorus compounds	
Y38	Organic cyanides	
Y39	Phenols; phenol compounds including chlorophenols	
Y40	Ethers	
Y41	Halogenated organic solvents	
Y42	Organic solvents excluding halogenated solvents	
Y43	Any congenor of polychlorinated dibenzo-furan	
Y44	Any congenor of polychlorinated dibenzo-p-dioxin	
Y45	Organohalogen compounds other than (e.g. Y39, Y41, Y42, Y43, Y44)	
	Categories of wastes requiring special consideration (Annex II)	
Y46	Wastes collected from households	
Y47	Residues arising from the incineration of household wastes	

Jul-Dec 2012

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1	Other metal compounds	0
2	Other inorganic chemicals	0
3	Other organic chemicals	0
4	Putrescible/ organics waste	0
5	Waste packages and containers containing Annex 1 substances in concentrations sufficient to exhibit Annex III hazard characteristics	0
6	Soils contaminated with residues of substances in Basel Y-codes 19-45	17
7	Sludges contaminated with residues of substances in Basel Y-codes 19-45	17
8	Tyres	0

nnes generated		
Jan-Jun 2012	Jul-Dec 2012	
57	67	
0	0	
0	0	
0	0	
0	0	
0	0	
0	0	
206	377	
101	103	
0	71	
8	0	
0	36 0	
100	24	
0	0	
0	0	
0	0	
0	0	
μΨ		
0	28	
0	0	
0	0	
0	0	
0	0	
0	0	
0	0	
0	0	
0	0	
22	0	
0	0	
224	186	
0	0	
0	0	
7	6	
81	46	
0	64	
0	0	
0	0	
0	0	
0	0	
1	0	
7	0	
0	0	
0	0	
0	0	

0	0
0	0
5	7
0	0
29	0
0	0
0	0
0	0

IS W	orksheet translates data on Queensland regulated wastes into Basel codes (via NEPM codes)	Кеу	
.D r	egulated wastes		Тс
ode	Waste description	Waste	Jul-Dec 201
	Waste from surface treatment of metals or plastics	type A100	
	Waste from heat treatment or tempering operations that use cyanides	A110	
-	Cyanides (inorganic)	A130	
	Acidic solutions and acids in solid form	B100	
С	Basic (a;kaline) solutions or bases (alkalis) in solid form	C100	
D	Metal carbonyls.	D100	
Ī	Inorganic fluorine compounds (other than calcium fluoride).	D110	
	Mercury and mercury compounds.	D120	
[Arsenic and arsenic compounds.	D130	
	Chromium compounds (hexavalent and trivalent).	D140	
	Cadmium and cadmium compounds.	D150	
_	Beryllium and beryllium compounds.	D160	
	Antimony and antimony compounds.	D170	
	Thallium; thallium compounds	D180	
_	Copper compounds.	D190	
	Nickel compounds.	D210	
-	Lead and lead compounds including lead-acid batteries.	D220	
-	Zinc compounds.	D230	
-	Selenium and selenium compounds.	D240	
-	Tellurium; tellurium compounds	D250	
-	Vanadium compounds	D270	
-	Barium compounds other than barium sulfate.	D290	
-	Non-toxic salts, for example, saline effluent Boron compounds.	D300	
L.	Inorganic sulfides	D310 D330	
H	Perchlorates	D330 D340	
-	Chlorates	D340 D350	
-	Phosphorus compounds other than mineral phosphates	D350	
	Waste containing peroxides other than hydrogen peroxide	E100	
	Waste from the production, formulation and use of inks, dyes, pigments, paints, lacquers and varnish	F100	
H	Waste from the production, formulation and use of resins, latex, plasticisers, glues and adhesives	F110	
	Ethers	G100	
	Organic solvents other than halogenated solvents, including, for example, ethanol	G110	
Ī	Halogenated organic solvents	G150	
ľ	Waste from the production, formulation and use of organic solvents	G160	
	Waste from the production, formulation and use of biocides and phytopharmaceuticals	H100	
- F	Organic phosphorous compounds	H110	
ľ	Waste from manufacture, formulation and use of wood-preserving chemicals	H170	
I	Mineral oils	J100	
Ī	Oil and water mixtures or emulsions, or hydrocarbons and water mixtures or emulsions	J120	
Ī	Tarry residues arising from refining, distillation, and any pyrolytic treatment	J160	
<	Animal effluent and residues (abattoir effluent, poultry and fish processing wastes)	K100	
	Grease trap waste	K110	
[Sewage sludge and residues including nightsoil and septic tank sludge	K130	
[Tannery wastes (including leather dust, ash, sludges and flours)	K140	
	Wool scouring wastes	K190	
Λ	Material containing polychlorinated biphenyls (PCB's), polychlorinated napthalenes (PCN's), polychlorinated terphenyls (PCT's) and/or	M100	
[Phenols, phenol compounds including chlorophenols	M150	
ſ	Organo halogen compounds—other than substances referred to in this Table	M160	
-	Polychlorinated dibenzo-furan (any congener)	M170	
[Polychlorinated dibenzo-p-dioxin (any congener)	M180	
ſ	Cyanides (organic) Isocyanate compounds	M210	
ľ		M220	

	Surface active agents (surfactants), containing principally organic constituents and which may contain metals and inorganic materials	M250	
	Highly odorous organic chemicals (including mercaptans and acrylates)	M260	
N	Waste containers	N100	
	Fire debris and fire wash waters	N140	
	Fly ash.	N150	
	Encapsulated, chemically-fixed, solidified or polymerised wastes referred to in this list	N160	
	Filter cake	N190	
	Residues from industrial waste treatment/disposal operations	N205	
	Asbestos	N220	
R	Clinical and related wastes	R100	
	Pharmaceuticals, drugs and medicines	R120	
	Waste from the production and preparation of pharmaceutical products	R140	
Т	Chemical waste arising from research and development or teaching activity, including new or unidentified material and material whose effects on human health or the environment are not known	T100	
	Waste from the production, formulation and use of photographic chemicals and processing materials	T120	
	Tyres	T140	
	Waste of an explosive nature other than explosives within the meaning of the Explosives Act 1999	T200	

Space for jurisdiction to enter data

Jurisdictional data as provided

Consultant to provide estimate Data not collected

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nes generated				
Jan-Jun 2012	Jul-Dec 2012			
2,181	2,181			
0	0			
270	270			
6,570	6,570			
83,749	83,749			
48	48			
123	123			
208	208			
414	414			
578	578			
9	9			
0	0			
0	0			
0	0			
296	296			
62	62			
3,701	3,701			
231	231			
0	0			
0	0			
0	0			
0	0			
20,402	20,402			
1	1			
171	171			
0	0			
67	67			
214	214			
24	24			
6,692	6,692			
630	630			
74	74			
1,060	1,060			
73	73			
6,248	6,248			
1,000	1,000			
28	28			
122	122			
43,762	43,762			
84,700	84,700			
258	258			
24,837	24,837			
66,917	66,917			
2.075	2.075			
3,075	3,075			
16,400	16,400			
1,028	1,028 454			
454				
12	12			
0	0			
0	0			
0	0			
24 180	24 180			
100	190			

15" ode	NEPM 15 waste description	"75" co
A	Plating and heat	A10
	treatment	A11
		A13
В	Acids	B10
С	Alkalis	C10
D	Inorganic chemicals	D10
	U U	D11
		D12
		D13
		D14
		D15
		D16
		D17
		D17
		D19
		D20
		D21
		D22
		D23
		D24
		D25
		D27
		D29
		D30
		D31
		D33
		D34
		D35
		D36
E	Reactive chemicals	E100
F	Paints, resins, inks,	F100
	organic sludges	F110
G	Organic solvents	G10
		G11
		G15
		G16
Н	Pesticides	H10
		H11
		H17
J	Oils	J100
		J120
		J160
К	Putrescible/ organic	K10
	waste	K11
		K14
		K19
Μ	Organic chemicals	M10
		M15
		M16
		M17
		M18
		M21
		M22
	1	M23

966	966
0	0
368	268
2,391	2,391
7,560	7,560
2,972	2,972
99,618	99,618
58,240	58,240
11,957	11,957
654	654
22	22
430	430
185	185
20,006	20,006
908	908

M250 M260 N Soil/ sludge	
N Soil/sludge	
N100	
N120	
N140	
N150	
N160	
N190	
N205	
N220	
N230	
R Clinical and R100	
pharmaceutical R120	
R140	
T Miscellaneous T100	
T120	
T140	
T200	

n (Movement of Controlled Waste between States and Territories) Measure	vement of Controlled Waste between States and Territories) Measure Tonnes generate		ated
Waste description (NEPM Schedule A, List 1)	Jul-Dec 2011	Jan-Jun 2012	Jul-Dec 2012
Waste resulting from surface treatment of metals and plastics		2,181	2,181
Waste from heat treatment and tempering operations containing cyanides		0	0
Cyanides (inorganic)		270	270
Acidic solutions or acids in solid form		6,570	6,570
Basic solutions or bases in solid form		83,749	83,749
Metal carbonyls		48	48
Inorganic fluorine compounds excluding calcium fluoride		123	123
Mercury; mercury compounds		208	208
Arsenic; arsenic compounds		414	414
Chromium compounds (hexavalent and trivalent)		578	578
Cadmium; cadmium compounds		9	9
Beryllium; beryllium compounds		0	0
Antimony; antimony compounds		0	0
Thallium; thallium compounds		0	0
Copper compounds		296	296
Cobalt compounds			
Nickel compounds		62	62
Lead; lead compounds		3,701	3,701
Zinc compounds		231	231
Selenium; selenium compounds		0	0
Tellurium; tellurium compounds		0	0
Vanadium compounds		0	0
Barium compounds (excluding barium sulphate)		0	0
Non-toxic salts		20,402	20,402
Boron compounds		20,402	20,402
Inorganic sulfides		171	171
Perchlorates		0	0
Chlorates		67	67
Phosphorus compounds excluding mineral phosphates		214	214
Waste containing peroxides other than hydrogen peroxide		214	214
Waste containing peroxides other than hydrogen peroxide Waste from the production, formulation and use of inks, dyes, pigments, paints, lacquers and varnish		6,692	6,692
Waste from the production, formulation and use of resins, latex, planticisers, glues and adhesives		630	630
Ethers		74	74
Organic solvents excluding halogenated solvents		1,060	1,060
Halogenated organic solvents		73	73
Waste from the production, formulation and use of organic solvents		6,248	
Waste from the production, formulation and use of biocides and phytopharmaceuticals		-	6,248
Organic phosphorous compounds		1,000	1,000
Waste from manufacture, formulation and use of wood-preserving chemicals		28	28
		122	122
Waste mineral oils unfit for their original intended use Waste oil/water, hydrocarbons/water mixtures or emulsions		43,762	43,762
		84,700	84,700
Waste tarry residues arising from refining, distillation, and any pyrolytic treatment		258	258
Animal effluent and residues (abattoir effluent, poultry and fish processing wastes)		24,837	24,837
Grease trap waste		66,917	66,917
Tannery wastes (including leather dust, ash, sludges and flours)		3,075	3,075
Wool scouring wastes		16,400	16,400
Waste substances and articles containing or contaminated with polychlorinated biphenyls, polychlorinated napthalenes,		1,028	1,028
Phenols, phenol compounds including chlorophenols		454	454
Organo halogen compounds—other than substances referred to in this Table or Table 2		12	12
Polychlorinated dibenzo-furan (any congener)		0	0
Polychlorinated dibenzo-p-dioxin (any congener)		0	0
Cyanides (organic)		0	0
Isocyanate compounds		24	24
Triethylamine catalysts for setting foundry sands		180	180

Surface active agents (surfactants), containing principally organic constituents and which may contain metals and inorganic materials	966	966
Highly odorous organic chemicals (including mercaptans and acrylates)	0	0
Containers and drums that are contaminated with residues of substances referred to in this list		
Soils contaminated with a controlled waste		
Fire debris and fire wash waters	368	268
Fly ash, excluding fly ash generated from Australian coal fired power stations	2,391	2,391
Encapsulated, chemically-fixed, solidified or polymerised wastes referred to in this list	7,560	7,560
Filter cake contaminated with residues of substances referred to in this list	2,972	2,972
Residues from industrial waste treatment/disposal operations	99,618	99,618
Asbestos	58,240	58,240
Ceramic-based fibres with physico-chemical characteristics similar to those of asbestos		
Clinical and related wastes	11,957	11,957
Waste pharmaceuticals, drugs and medicines	654	654
Waste from the production and preparation of pharmaceutical products	22	22
Waste chemical substances arising from research and development or teaching activities, including those which are not identified and/or are new and whose effects on human health and/or the environment are not known	430	430
Waste from the production, formulation and use of photographic chemicals and processing materials	185	185
Tyres	20,006	20,006
Waste of an explosive nature not subject to other legislation	908	908

Basel Co	onvention Tonnes generation		ated	
Code	Waste description (Annex 1)	Jul-Dec 2011	Jan-Jun 2012	Jul-Dec 2012
Y1	Clinical wastes from medical care in hospitals, medical centres and clinics		11,957	11,95
Y2	Wastes from the production and preparation of pharmaceutical products		22	
Y3	Waste pharmaceuticals, drugs and medicines		654	65-
Y4	Wastes from the production of biocides and phytopharmaceuticals		1,000	1,00
Y5	Wastes from the manufacture of wood preserving chemicals		122	12
Y6	Wastes from the production, formulation and use of organic solvent		6,248	6,24
Y7	Wastes from heat treatment and tempering operations containing cyanides		0	(
Y8	Waste mineral oils unfit for their originally intended use		43,762	43,76
Y9	Waste oils/water, hydrocarbons/water mixtures, emulsion		84,700	84,70
Y10	Waste substancescontaining or contaminated with PCBs, PCTs, PBBs		1,028	1,02
Y11	Waste tarry residues from refining, distillation and any pyrolytic treatment		258	25
Y12	Wastes from production of inks, dyes, pigments, paints, etc		6,692	6,69
Y13	Wastes from productionresins, latex, plasticizers, glues, etc		630	63
Y14	Waste chemical substances arising environment are not known		430	43
Y15	Wastes of an explosive nature not subject to other legislation		999	99
Y16	Wastes from production, formulation and use of photographic chemicals		185	18
Y17	Wastes resulting from surface treatment of metals and plastics		2,181	2,18
Y18	Residues arising from industrial waste disposal operations		109,569	109,56
	Wastes having as constituents			1
Y19	Metal carbonyls		48	4
Y20	Beryllium; beryllium compounds		0	
Y21	Hexavalent chromium compounds		578	57
Y22	Copper compounds		296	29
Y23	Zinc compounds		231	23
Y24	Arsenic; arsenic compounds		414	41
Y25	Selenium; selenium compounds		0	
Y26	Cadmium; cadmium compounds		9	
Y27	Antimony; antimony compounds		0	
Y28	Tellurium; tellurium compounds		0	
Y29	Mercury; mercury compounds		208	20
Y30	Thallium; thallium compounds		0	
Y31	Lead; lead compounds		3,701	3,70
Y32	Inorganic fluorine compounds excluding calcium fluoride		123	12
Y33	Inorganic cyanides		270	27
Y34	Acidic solutions or acids in solid form		6,570	6,57
Y35	Basic solutions or bases in solid form		83,749	83,74
Y36	Asbestos (dust and fibres)		58,240	58,24
Y37	Organic phosphorus compounds		28	2
Y38	Organic cyanides		0	
Y39	Phenols; phenol compounds including chlorophenols		454	45
Y40	Ethers		74	7
Y41	Halogenated organic solvents		73	
Y42	Organic solvents excluding halogenated solvents		1,060	1,06
Y43	Any congenor of polychlorinated dibenzo-furan		0	1
Y44	Any congenor of polychlorinated dibenzo-p-dioxin		0	
Y45	Organohalogen compounds other than(e.g. Y39, Y41, Y42, Y43, Y44)		12	1
	Categories of wastes requiring special consideration (Annex II)			
Y46	Wastes collected from households			
Y47	Residues arising from the incineration of household wastes			
	Additional waste categories not included in Y-Codes			
1	Other metal compounds		62	6
2	Other inorganic chemicals		20,788	20,78
3	Other organic chemicals		1,170	1,17
4	Putrescible/ organic waste		111,229	111,22

5	Waste packages and containers containing Annex 1 substances in concentrations sufficient to exhibit Annex III hazard characteristics		
6	Soils contaminated with residues of substances in Basel Y-codes 19-45	0	0
7	Sludges contaminated with residues of substances in Basel Y-codes 19-45	3,340	3,240
8	Tyres	20,006	20,006

SA input to Australia's Basel Convention report

This worksheet translates data on South Australian listed wastes into Basel codes (via NEPM codes)

Sout	h Australia - listed wastes	
Code	Waste description	Waste type
Α	Waste resulting from surface treatment of metals and plastics	A100
	Waste from heat treatment and tempering operations containing cyanides	A110
	Cyanides (inorganic) Acidic solutions or acids in solid form	A130 B100
B	Basic solutions or bases in solid form	C100
D	Metal carbonyls	D100
	Inorganic fluorine compounds excluding calcium fluoride	D110
	Mercury; mercury compounds	D120
	Arsenic; arsenic compounds	D130
	Chromium compounds (hexavalent and trivalent)	D140
	Cadmium; cadmium compounds Beryllium; beryllium compounds	D150 D160
	Antimony; antimony compounds	D170
	Thallium; thallium compounds	D180
	Copper compounds	D190
	Cobalt compounds	D200
	Nickel compounds	D210
	Lead; lead compounds	D220
	Zinc compounds	D230
	Selenium; selenium compounds	D240
	Tellurium; tellurium compounds	D250
	Vanadium compounds	D270 D290
	Barium compounds (excluding barium sulphate) Non toxic salts	D290
	Boron compounds	D310
	Inorganic sulfides	D330
	Perchlorates	D340
	Chlorates	D350
	Phosphorus compounds excluding mineral phosphates	D360
E	Waste containing peroxides other than hydrogen peroxide	E100
	Waste of an explosive nature not subject to other legislation	E120
F	Waste from the production, formulation and use of inks, dyes, pigments, paints, lacquers and varnish Waste from the production, formulation and use of resins, latex, plasticisers, glues and adhesives	F100 F110
G	Ethers	G100
-	Organic solvents excluding halogenated solvents	G110
	Halogenated organic solvents	G150
	Waste from the production, formulation and use of organic solvents	G160
н	Waste from the production, formulation and use of biocides and phytopharmaceuticals	H100
	Organic phosphorous compounds	H110
J	Waste from manufacture, formulation and use of wood-preserving chemicals Waste mineral oils unfit for their original intended use	H170 J100
J	Waste milierar bis unit for their bigmanntended use Waste oil/water, hydrocarbons/water mixtures or emulsions	J100 J120
	Waste tarry residues arising from refining, distillation, and any pyrolytic treatment	J160
К	Animal effluent and residues (abattoir effluent, poultry and fish processing wastes)	K100
	Grease trap waste	K110
	Sewage sludge and residues including nightsoil and septic tank sludge	K130
	Tannery wastes (including leather dust, ash, sludges and flours)	K140
		K100
M	Wool scouring wastes Waste substances and articles containing or contaminated with polychlorinated biphenyls [(PCBs), polychlorinated napthalenes	K190
141	(PCNs), polychlorinated terphenyls (PCTs) and/or polybrominated biphenyls (PBBs)]	M100
	Phenols, phenol compounds including chlorophenols	M150
	Organohalogen compounds – other than substances referred to in this list	M160
	Polychlorinated dibenzo-furan (any congener)	M170
	Polychlorinated dibenzo-p-dioxin (any congener)	M180
	Cyanides (organic)	M210
	Isocyanate compounds	M220
	Triethylamine catalysts for setting foundry sands	M230
	Surface active agents (surfactants), containing principally organic constituents and which may contain metals and inorganic materials	M250
	Highly odorous organic chemicals (including mercaptans and acrylates)	M260
N	Containers and drums which are contaminated with residues of substances referred to in this list	N100
I	Soils contaminated with a controlled waste	N120

Кеу

Fire debris and fire washwaters	N140
Fly ash	N150
Encapsulated, chemically fixed, solidified or polymerised wastes	N160
Filter cake	N190
Residues from industrial waste treatment/disposal operations	N205
Asbestos	N220
Ceramic-based fibres with physico-chemical characteristics similar to those of asbestos	N230
Clinical and related wastes	R100
Waste pharmaceuticals, drugs and medicines	R120
Waste from the production and preparation of pharmaceutical products	R140
Waste chemical substances arising from research and development or teaching activities including those which are not identified	T100
and/or are new and whose effects on human health and/or the environment are not known	
Waste from the production, formulation and use of photographic chemicals and processing materials	T120
Tyres	T140

Space for jurisdiction to enter data Jurisdictional data as provided Consultant to provide estimate Data not collected

Tonnes generated

Jul-Dec 2011Jan-Jun 2012Jul-Dec 2013393433568864272263142,27330,02235,5543328142,27330,02235,554128794863-62-128794863-62-1129-123100141410-142100101814215,5042,70510,33610,08925,18811,23415,5042,70510,33610,08925,18814212534,2201431001001441001001451401001461401001472391581,2821,43514212910315977231827778328715746068915351,2821,2601648146217945068815351,2821,260164514421653111177195142165311217546068917546068917546068917546068917546	Tonnes generated			
33 93 43 5 6 8 864 272 263 142,273 30,022 35,554 3 28 28 12 87 9 486 3	Jul-Dec 2011	Jan-Jun 2012	Jul-Dec 2012	
5 6 8 864 272 263 142,273 30,022 35,554 3				
864 272 263 142,273 $30,022$ $35,554$ 3		55		
142,273 30,022 35,554 3 28 12 87 9 486 3 6 2 1 0 4 0 1 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 10,336 10,089 10,336 10,089 10,336 10,089 10,336 10,089 10,336 10,089 10,336 10,089 237 253 4,200 1 237 253 4,200 0 4 0 10 1 110 0 1111 24 1112 2 1113 24 1114 24 125 3 1118 24 225 3 124 129 13 11 142 129 15 3 1112<		6		
3 28 12 87 9 486 3 1 6 2 1 1 0 4 - 0 1 - 0 1 - 0 1 4 9 55 1,234 15,504 2,705 10,336 10,089 25,188 - - - 4 9 55 1,234 15,504 2,705 10,336 10,089 25,188 - - - - 237 253 4,220 47 - - - 237 253 4,220 - 47 - 0 0 3 2 1 - 0 47 0 0 1 3 2 1 3 287 57 72 51 0 2 18 24 25 47 22 <td>864</td> <td></td> <td>263</td>	864		263	
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0 73 10 4 9 1,234 15,504 1,234 15,504 10,336 10,089 237 253 237 253 4 0 4 0 4 0 10,336 10,089 237 253 4,220 0 4 0 4 0 10 0 47 0 10 0 4 0 110 0 1112 129 112 129 113 24 114 24 115 128 118 24 25 17 118 24 25 128 120 129 13 14 14 16 15 3 15 </td <td>1</td> <td>0</td> <td></td>	1	0		
73 10 18 4 9 5 $1,234$ $15,504$ $2,705$ $10,336$ $10,089$ $25,188$ 20 237 253 $4,220$ 237 253 $4,220$ 47 0 0 47 0 0 43 2 0 447 0 0 45 2 3 777 839 287 57 72 51 0 7 0 118 24 25 47 22 39 648 146 2 757 460 689 535 1,282 1,260 69 19 26 0 2,2925 0 0 1 24 15 3 11 0 0 2,925 0 1 24 16 993 11 15 3 11			1	
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164,599 295,709 143,752	177	195	195	
	164,599	295,709	143,752	

15" code	NEPM 15 waste	"75" code
A	description Plating and heat treatment	A100
A	Flating and fleat treatment	A100
		A130
В	Acids	B100
С	Alkalis	C100
D	Inorganic chemicals	D100
		D110
		D120
		D130 D140
		D140 D150
		D160
		D170
		D180
		D190
		D200
		D210
		D220
		D230
		D240
		D250
		D270 D290
		D290
		D310
		D330
		D340
		D350
		D360
E	Reactive chemicals	E100
F	Paints, resins, inks, organic	F100
G	sludges Organia colventa	F110
G	Organic solvents	G100 G110
		G150
		G160
Н	Pesticides	H100
		H110
		H170
J	Oils	J100
		J120
К	Putroscible / organic waste	J160 K100
ĸ	Putrescible/ organic waste	K100
		K140
		K190
М	Organic chemicals	M100
		M150
		M160
		M170 M180
		M130
		M220
		M230
		M250
		M260
Ν	Soil/ sludge	N100
		N120
		N140
	1	N150

27	4	0	
257	231	265	
45	11	65	
215	259	184	
42,862	26,129	33,734	
10,822	11,974	9,410	
11	16	10	
3,123	3,227	3,248	
192	148	178	
1		0	
200	205	192	
10	10	10	

1	1	
		N160
		N190
		N205
		N220
		N230
R	Clinical and pharmaceutical	R100
		R120
		R140
т	Miscellaneous	T100
		T120
		T140
		T200

Total, 2011/12 780,792

















ovement of Controlled Waste between States and Territories) Measure	То	nnes generat
Waste description (NEPM Schedule A, List 1)	Jul-Dec 2011	Jan-Jun 2012
Waste resulting from surface treatment of metals and plastics	33	93
Waste from heat treatment and tempering operations containing cyanides	_	
Cyanides (inorganic)	5	(
Acidic solutions or acids in solid form	864	272
Basic solutions or bases in solid form Metal carbonyls	142,273	30,022
Inorganic fluorine compounds excluding calcium fluoride	5	
Mercury; mercury compounds	12	87
Arsenic; arsenic compounds	486	
Chromium compounds (hexavalent and trivalent)	6	2
Cadmium; cadmium compounds	1	(
Beryllium; beryllium compounds		
Antimony; antimony compounds		
Thallium; thallium compounds		(
Copper compounds	73	10
Cobalt compounds		
Nickel compounds	4	9
Lead; lead compounds	1,234	15,504
Zinc compounds	10,336	10,089
Selenium; selenium compounds		
Tellurium; tellurium compounds		
Vanadium compounds		
Barium compounds (excluding barium sulphate)	227	25
Non-toxic salts	237	253
Boron compounds Inorganic sulfides	47	
Perchlorates	47	
Chlorates	4	
Phosphorus compounds excluding mineral phosphates		
Waste containing peroxides other than hydrogen peroxide	3	
Waste from the production, formulation and use of inks, dyes, pigments, paints, lacquers and varnish	1,085	852
Waste from the production, formulation and use of resins, latex, plasticisers, glues and adhesives	142	129
Ethers	5	2
Organic solvents excluding halogenated solvents	777	839
Halogenated organic solvents	57	72
Waste from the production, formulation and use of organic solvents	0	
Waste from the production, formulation and use of biocides and phytopharmaceuticals	118	24
Organic phosphorous compounds	47	22
Waste from manufacture, formulation and use of wood-preserving chemicals	648	146
Waste mineral oils unfit for their original intended use Waste oil/water, hydrocarbons/water mixtures or emulsions	757 535	460 1,282
Waste tarry residues arising from refining, distillation, and any pyrolytic treatment	69	1,282
Animal effluent and residues (abattoir effluent, poultry and fish processing wastes)	03	
Grease trap waste	0	
Tannery wastes (including leather dust, ash, sludges and flours)	Ŭ	-
Wool scouring wastes	0	
Waste substances and articles containing or contaminated with polychlorinated biphenyls, polychlorinated napthalenes,	45	
polychlorinated terphenyls and/or polybrominated biphenyls	15	3
Phenols, phenol compounds including chlorophenols		(
	3	-
Organo halogen compounds—other than substances referred to in this Table or Table 2	3	2
Polychlorinated dibenzo-furan (any congener)		
Polychlorinated dibenzo-p-dioxin (any congener)		
Cyanides (organic)	┨────┤	
Isocyanate compounds	-	
Triethylamine catalysts for setting foundry sands Surface active agents (surfactants), containing principally organic constituents and which may contain metals and inorganic	6	
	2	13
materials Highly odorous organic chemicals (including moreantans and acrylates)	9	
Highly odorous organic chemicals (including mercaptans and acrylates)	9	
Containers and drums that are contaminated with residues of substances referred to in this list	177	195
Soils contaminated with a controlled waste	164,599	295,709
Fire debris and fire wash waters	27	295,705
Fly ash, excluding fly ash generated from Australian coal fired power stations	257	231

Encapsulated, chemically-fixed, solidified or polymerised wastes referred to in this list	45	11
Filter cake contaminated with residues of substances referred to in this list	215	259
Residues from industrial waste treatment/disposal operations	42,862	26,129
Asbestos	10,822	11,974
Ceramic-based fibres with physico-chemical characteristics similar to those of asbestos	11	16
Clinical and related wastes	3,123	3,227
Waste pharmaceuticals, drugs and medicines	192	148
Waste from the production and preparation of pharmaceutical products	1	
Waste chemical substances arising from research and development or teaching activities, including those which are not identified and/or are new and whose effects on human health and/or the environment are not known	200	205
Waste from the production, formulation and use of photographic chemicals and processing materials	10	10
Tyres		
Waste of an explosive nature not subject to other legislation		

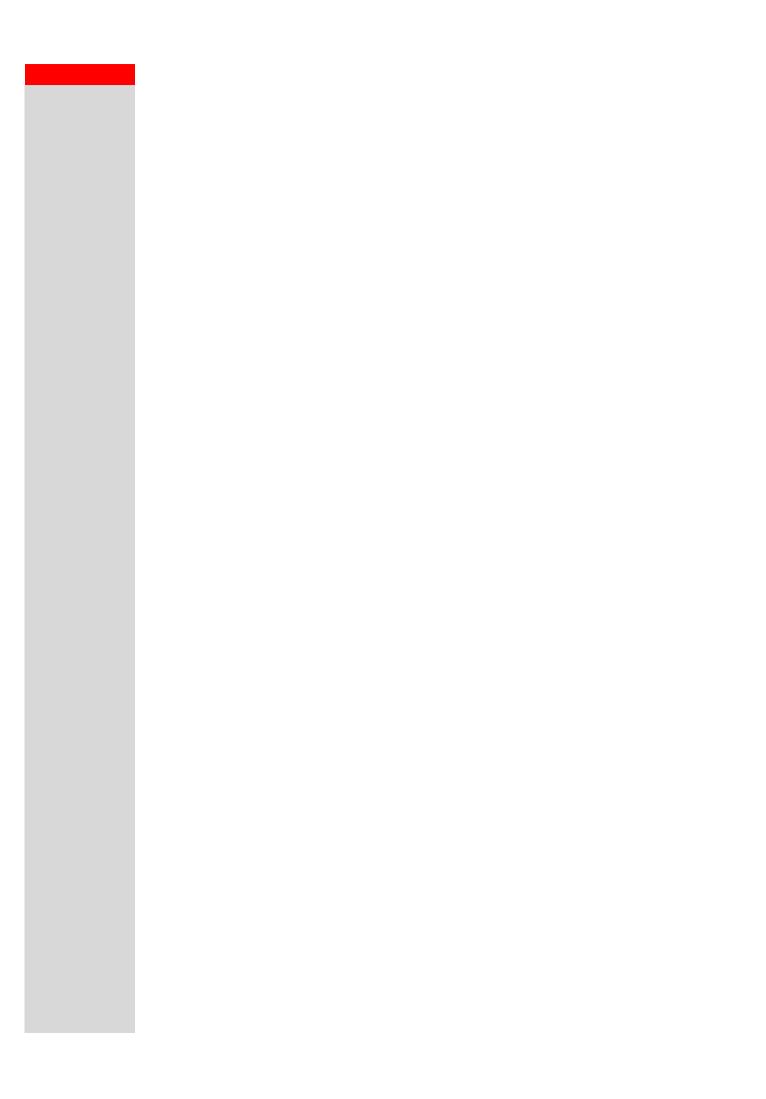


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Jul-D	ec 2012
	43
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	263
	35,554
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	2,402
	2,402
	7
	17
	195
	143,752
	0
	265

Basel Co	nvention	Tc
Code	Waste description (Annex 1)	Jul-Dec 2011
Y1	Clinical wastes from medical care in hospitals, medical centres and clinics	3,123
Y2	Wastes from the production and preparation of pharmaceutical products	1
Y3	Waste pharmaceuticals, drugs and medicines	192
Y4	Wastes from the production of biocides and phytopharmaceuticals	118
Y5	Wastes from the manufacture of wood preserving chemicals	648
Y6 Y7	Wastes from the production, formulation and use of organic solvent	0
Y8	Wastes from heat treatment and tempering operations containing cyanides Waste mineral oils unfit for their originally intended use	757
Y9	Waste ninkrai olis unit for their orginally interficed use	535
Y10	Waste substancescontaining or contaminated with PCBs, PCTs, PBBs	15
Y11	Waste tarry residues from refining, distillation and any pyrolytic treatment	69
Y12	Wastes from production of inks, dyes, pigments, paints, etc	1,085
Y13	Wastes from productionresins, latex, plasticizers, glues, etc	142
Y14	Waste chemical substances arising environment are not known	200
Y15	Wastes of an explosive nature not subject to other legislation	7
Y16	Wastes from production, formulation and use of photographic chemicals	10
Y17	Wastes resulting from surface treatment of metals and plastics	33
Y18	Residues arising from industrial waste disposal operations	43,175
	Wastes having as constituents	2
Y19	Metal carbonyls	3
Y20 Y21	Beryllium; beryllium compounds Hexavalent chromium compounds	6
Y22	Copper compounds	73
Y23	Zinc compounds	10,336
Y24	Arsenic; arsenic compounds	486
Y25	Selenium; selenium compounds	
Y26	Cadmium; cadmium compounds	1
Y27	Antimony; antimony compounds	
Y28	Tellurium; tellurium compounds	
Y29	Mercury; mercury compounds	12
Y30	Thallium; thallium compounds	1 00 1
Y31	Lead; lead compounds	1,234
Y32 Y33	Inorganic fluorine compounds excluding calcium fluoride Inorganic cyanides	5
Y34	Acidic solutions or acids in solid form	864
Y35	Basic solutions or bases in solid form	142,273
Y36	Asbestos (dust and fibres)	10,822
Y37	Organic phosphorus compounds	47
Y38	Organic cyanides	
Y39	Phenols; phenol compounds including chlorophenols	
Y40	Ethers	5
Y41	Halogenated organic solvents	57
Y42	Organic solvents excluding halogenated solvents	777
Y43 Y44	Any congener of polychlorinated dibenzo-furan	
Y44 Y45	Any congenor of polychlorinated dibenzo-p-dioxin Organohalogen compounds other than(e.g. Y39, Y41, Y42, Y43, Y44)	3
145	Categories of wastes requiring special consideration (Annex II)	
Y46	Wastes collected from households	
	Residues arising from the incineration of household wastes	
Y47		
4	Additional waste categories not included in Y-Codes	
<u>1</u> 2	Other metal compounds Other inorganic chemicals	284
3	Other organic chemicals	16
4	Putrescible/ organic waste	10
5	Waste packages and containers containing Annex 1 substances in concentrations sufficient to	
-	exhibit Annex III hazard characteristics	177
6	Soils contaminated with residues of substances in Basel Y-codes 19-45	164,599
7	Sludges contaminated with residues of substances in Basel Y-codes 19-45	242
		242
8	Tyres	

65
184
33,734
9,410
10
3,248
178
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192
10
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onnes generated		
Jan-Jun 2012	Jul-Dec 2012	
3,227	3,248	
148	0 178	
24	25	
146	2	
7		
460	689	
1,282	1,260	
3	11 26	
852	1,435	
129	103	
205	192	
0	2	
10	10	
93	43	
26,386	34,074	
	28	
2	1	
10	18	
10,089	25,188	
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15,504	2,705	
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6	8	
272	263	
30,022 11,974	35,554 9,410	
22	39	
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0	3	
72	51	
839	287	
2	1	
9	5	
253	4,220	
13	2,428	
1	2,949	
195	195	
295,709	143,752	
263	184	





Tasmania input to Australia's Basel Convention report

Т

This worksheet translates data on Tasmanian prescribed wastes into Basel codes (via NEPM codes)

LAS -	Prescribed Wastes	
173-		1
0 .		
Code	Waste description	Waste type
А	Waste resulting from surface treatment of metals and plastics	A100
~	Waste from heat treatment and tempering operations containing cyanides	A100 A110
	Cyanides (inorganic)	A110 A130
В	Acidic solutions or acids in solid form	B100
C	Basic solutions or bases in solid form	C100
D	Metal carbonyls	D100
	Inorganic fluorine compounds excluding calcium fluoride	D110
	Mercury; mercury compounds	D120
	Arsenic; arsenic compounds	D130
	Chromium compounds (hexavalent and trivalent)	D140
	Cadmium; cadmium compounds	D150
	Beryllium; beryllium compounds	D160
	Antimony; antimony compounds	D170
	Thallium; thallium compounds	D180
	Copper compounds	D190
	Cobalt compounds	D200
	Nickel compounds	D210
	Lead; lead compounds	D220
	Zinc compounds	D230
	Selenium; selenium compounds	D240
	Tellurium; tellurium compounds	D250
	Vanadium compounds	D270
	Barium compounds (excluding barium sulphate)	D290
	Non toxic salts	D300
	Boron compounds	D310
	Inorganic sulfides	D330
	Perchlorates	D340
	Chlorates	D350
	Phosphorus compounds excluding mineral phosphates	D360
Е	Waste containing peroxides other than hydrogen peroxide	E100
	Waste of an explosive nature not subject to other legislation	E120
F	Waste from the production, formulation and use of inks, dyes, pigments, paints, lacquers and varnish	F100
	Waste from the production, formulation and use of resins, latex, plasticisers, glues and adhesives	F110
G	Ethers	G100
	Organic solvents excluding halogenated solvents	G110
	Halogenated organic solvents	G150
	Waste from the production, formulation and use of organic solvents	G160
н	Waste from the production, formulation and use of biocides and phytopharmaceuticals	H100
	Organic phosphorus compounds	H110
	Waste from manufacture, formulation and use of wood-preserving chemicals	H170
J	Waste mineral oils unfit for their original intended use	J100
	Waste oil/water, hydrocarbons/water mixtures or emulsions	J120
	Waste tarry residues arising from refining, distillation, and any pyrolytic treatment	J160
К	Animal effluent and residues (abattoir effluent, poultry and fish processing waste)	K100
	Grease trap waste	K110
	Sewage sludge, sewage residue, nightsoil or sludge from an on-site waste water management system	K130
	Tannery wastes (including leather dust, ash, sludges and flours)	K140
	Wool scouring waste	K190
М	Waste substances and articles containing or contaminated with polychlorinated biphenyls (PCBs), polychlorinated naphthalenes	
	(PCNs), polychlorinated terphenyls (PCTs) and/or polybrominated biphenyls (PBBs)	M100
	Phenols, phenol compounds including chlorophenols	M150

Key

	Organohalogen compounds - other than substances referred to in this list	M160
	Polychlorinated dibenzo-furan (any congener)	M170
	Polychlorinated dibenzo-p-dioxin (any congener)	M180
	Cyanides (organic)/nitriles	M210
	Isocyanate compounds	M220
	Triethylamine catalysts for setting foundry sands	M230
	Surface active agents (surfactants), containing principally organic constituents and which may contain metals and inorganic materials	M250
	Highly odorous organic chemicals (including mercaptans and acrylates)	M260
Ν	Containers which are contaminated with residues of substances referred to in this list	N100
	Soils contaminated with a controlled waste	N120
	Fire debris and fire washwaters	N140
	Fly ash excluding fly ash generated from Australian coal fired power stations	N150
	Encapsulated, chemically-fixed, solidified or polymerised wastes (referred to in this list)	N160
	Filter cake contaminated with residues of substances referred to in this list	N190
	Asbestos	N220
	Ceramic-based fibres with physico-chemical characteristics similar to those of asbestos	N230
Q	A waste within the meaning of the Quarantine Regulations 2000 of the Commonwealth, as amended	Q100
	Exhibits an environmentally significant characteristic and is derived or arises from an agvet chemical as defined in the Dangerous Substances (Safe Handling) Act 2005	Q200
	Exhibits an environmentally significant characteristic and is derived or arises from dangerous goods as defined in the Dangerous Goods	Q300
	Exhibits an environmentally significant characteristic and is derived or arises from a poison as defined in the Poisons Act 1971	Q400
	Exhibits an environmentally significant characteristic and is derived or arises from a scheduled waste within the meaning of a National Management Plan*	Q500
R	Clinical and related wastes	R100
	Waste pharmaceuticals, drugs and medicines	R120
	Waste from the production and preparation of pharmaceutical products	R140
Т	Waste chemical substances arising from research and development or teaching activities including those which are not identified	T100
	and/or are new and whose effects on human health and/or the environment are not known.	1100
	Waste from the production, formulation and use of photographic chemicals and processing materials	T120
	Tyres	T140
	Residues from industrial waste treatment/disposal operations	T190
	Oxidising Agents	T200
	Reactive chemicals	T210
	Reducing agents	T220

	Space for juris	diction to enter	data
	Jurisdictional data as provided		
	Consultant to provide estimate		
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Jul-Dec 2011	Jan-Jun 2012	Jul-Dec 2012	
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National	Environment Prote	ection (Me
"15" code	NEPM 15 waste description	"75" code
А	Plating and heat	A100
	treatment	A110
		A130
В	Acids	B100
С	Alkalis	C100
D	Inorganic chemicals	D100
	Ū.	D110
		D120
		D130
		D140
		D150
		D160
		D170
		D180
		D190
		D200
		D210
		D210
		D220
		D230
		D240 D250
		D230
		D290
		D300
		D310
		D330
		D340
		D350
	Reactive chemicals	D360
E F		E100
F	Paints, resins, inks, organic sludges	F100
6		F110
G	Organic solvents	G100
		G110
		G150
ц	Docticidos	G160
Н	Pesticides	H100
		H110
1	Oile	H170
J	Oils	J100
		J120
К	Putrescible/ organic waste	J160
ĸ	a an esciple, organic waste	K100
		K110
		K140
М	Organic chemicals	К190 M100
		M150
		M160
		M170

	0
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	4
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	0
	3
	13
	15
	6
	3

	M180
	M210
	M220
	M230
	M250
	M260
Soil/ sludge	N100
	N120
	N140
	N150
	N160
	N190
	N205
	N220
	N230
Clinical and	R100
pharmaceutical	R120
	R140
Miscellaneous	T100
	T120
	T140
	T200
	Clinical and pharmaceutical

ovement of Controlled Waste between States and Territories) Measure

Tonnes generat

Waste description (NEPM Schedule A, List 1)	Jul-Dec 2011	Jan-Jun 2012
Waste resulting from surface treatment of metals and plastics		
Waste from heat treatment and tempering operations containing cyanides		
Cyanides (inorganic)		
Acidic solutions or acids in solid form		
Basic solutions or bases in solid form		
Metal carbonyls		
Inorganic fluorine compounds excluding calcium fluoride		
Mercury; mercury compounds		
Arsenic; arsenic compounds		
Chromium compounds (hexavalent and trivalent)		
Cadmium; cadmium compounds		
Beryllium; beryllium compounds		
Antimony; antimony compounds		
Thallium; thallium compounds		
Copper compounds		
Cobalt compounds		
Nickel compounds		
Lead; lead compounds		
Zinc compounds		
Selenium; selenium compounds		
Tellurium; tellurium compounds		
Vanadium compounds		
Barium compounds (excluding barium sulphate)		
Non-toxic salts		
Boron compounds		
Inorganic sulfides		
Perchlorates		
Chlorates		
Phosphorus compounds excluding mineral phosphates		
Waste containing peroxides other than hydrogen peroxide		
Waste from the production, formulation and use of inks, dyes, pigments, paints, lacquers and varnish		
Waste from the production, formulation and use of resins, latex, plasticisers, glues and adhesives		
Ethers		
Organic solvents excluding halogenated solvents		
Halogenated organic solvents		
Waste from the production, formulation and use of organic solvents		
Waste from the production, formulation and use of biocides and phytopharmaceuticals		
Organic phosphorous compounds		
Waste from manufacture, formulation and use of wood-preserving chemicals		
Waste morn manufacture, formaliation and use of wood preserving chemicals		
Waste ninerar ons dime of ginar interface date Waste oil/water, hydrocarbons/water mixtures or emulsions		
Waste tarry residues arising from refining, distillation, and any pyrolytic treatment		
Animal effluent and residues (abattoir effluent, poultry and fish processing wastes)		
Grease trap waste		
Tannery wastes (including leather dust, ash, sludges and flours)		ļ]
Wool scouring wastes		
Waste substances and articles containing or contaminated with polychlorinated biphenyls, polychlorinated napthalenes,		
polychlorinated terphenyls and/or polybrominated biphenyls		
Phenols, phenol compounds including chlorophenols		
Organo halogen compounds—other than substances referred to in this Table or Table 2		
Polychlorinated dibenzo-furan (any congener)		

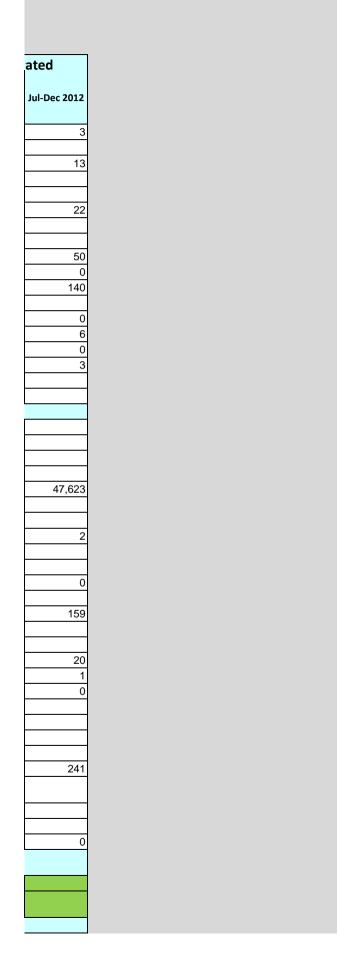
Polychlorinated dibenzo-p-dioxin (any congener)	1	
Cyanides (organic)		
Isocyanate compounds		
Triethylamine catalysts for setting foundry sands		
Surface active agents (surfactants), containing principally organic constituents and which may contain metals and inorganic materials		
Highly odorous organic chemicals (including mercaptans and acrylates)		
Containers and drums that are contaminated with residues of substances referred to in this list		
Soils contaminated with a controlled waste		
Fire debris and fire wash waters		
Fly ash, excluding fly ash generated from Australian coal fired power stations		
Encapsulated, chemically-fixed, solidified or polymerised wastes referred to in this list		
Filter cake contaminated with residues of substances referred to in this list		
Residues from industrial waste treatment/disposal operations		
Asbestos		
Ceramic-based fibres with physico-chemical characteristics similar to those of asbestos		
Clinical and related wastes		
Waste pharmaceuticals, drugs and medicines		
Waste from the production and preparation of pharmaceutical products		
Waste chemical substances arising from research and development or teaching activities, including those which are not		
Waste from the production, formulation and use of photographic chemicals and processing materials		
Tyres	1	
Waste of an explosive nature not subject to other legislation		

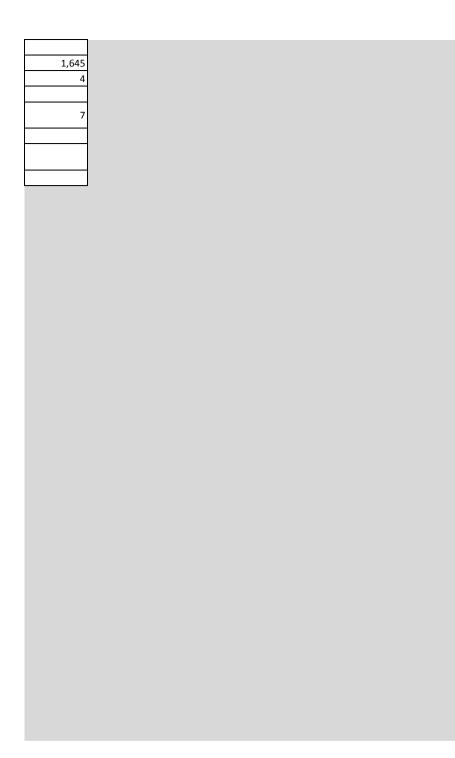
asel Convention			Tonnes gene	
Code	Waste description (Annex 1)		Jan-Jun 2012	
Y1	Clinical wastes from medical care in hospitals, medical centres and clinics			
Y2	Wastes from the production and preparation of pharmaceutical products			
Y3	Waste pharmaceuticals, drugs and medicines			
Y4	Wastes from the production of biocides and phytopharmaceuticals			
Y5	Wastes from the manufacture of wood preserving chemicals			
Y6	Wastes from the production, formulation and use of organic solvent			
Y7	Wastes from heat treatment and tempering operations containing cyanides			
Y8	Waste mineral oils unfit for their originally intended use			
Y9	Waste oils/water, hydrocarbons/water mixtures, emulsion			
Y10	Waste substancescontaining or contaminated with PCBs, PCTs, PBBs			
Y11	Waste tarry residues from refining, distillation and any pyrolytic treatment			
Y12	Wastes from production of inks, dyes, pigments, paints, etc			
Y13	Wastes from productionresins, latex, plasticizers, glues, etc			
Y14	Waste chemical substances arising environment are not known			
Y15	Wastes of an explosive nature not subject to other legislation			
Y16	Wastes from production, formulation and use of photographic chemicals			
Y17	Wastes resulting from surface treatment of metals and plastics			
Y18	Residues arising from industrial waste disposal operations			
	Wastes having as constituents			
Y19	Metal carbonyls			
Y20	Beryllium; beryllium compounds			
Y21	Hexavalent chromium compounds			
Y22	Copper compounds			
Y23	Zinc compounds			
Y24	Arsenic; arsenic compounds			
Y25	Selenium; selenium compounds			
Y26	Cadmium; cadmium compounds			
Y27	Antimony; antimony compounds			
Y28	Tellurium; tellurium compounds			
Y29	Mercury; mercury compounds			
Y30	Thallium; thallium compounds			
Y31	Lead; lead compounds			
Y32	Inorganic fluorine compounds excluding calcium fluoride			
Y33	Inorganic cyanides			
Y34	Acidic solutions or acids in solid form		-	
Y35	Basic solutions or bases in solid form			
Y36 Y37	Asbestos (dust and fibres) Organic phosphorus compounds			
	Organic phosphoras compounds			
Y38				
Y39	Phenols; phenol compounds including chlorophenols			
	Y40 Ethers			
	Y41 Halogenated organic solvents			
Y42	Organic solvents excluding halogenated solvents			
Y43				
Y44	, , , , , , , , , , , , , , , , , , , ,			
Y45	Organohalogen compounds other than(e.g. Y39, Y41, Y42, Y43, Y44)			
	Categories of wastes requiring special consideration (Annex II)			
Y46	Wastes collected from households			
Y47	Residues arising from the incineration of household wastes			
	Additional waste categories not included in Y-Codes			

ted

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1	Other metal compounds	
2	Other inorganic chemicals	
3	Other organic chemicals	
4	Putrescible/ organic waste	
5	Waste packages and containers containing Annex 1 substances in concentrations sufficient to	
	exhibit Annex III hazard characteristics	
6	Soils contaminated with residues of substances in Basel Y-codes 19-45	
7	Sludges contaminated with residues of substances in Basel Y-codes 19-45	
8	Tyres	









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nput to Australia's Basel Convention report

orksheet translates data on Victorian prescribed wastes into Basel codes (via NEPM codes)

rescribed wastes

Waste description

Cyanide-containing wastes.

Acids in a solid form or acidic solution with pH value of 4 or less.

Alkaline solids or alkaline solutions with pH value of 9 or more.

Includes, but is not limited to: caustic soda, alkaline cleaners,

and waste lime. Metal carbonyls.

Inorganic fluorine compounds (excluding calcium fluoride).

Mercury and mercury compounds.

Equipment and articles containing mercury.

Arsenic and arsenic compounds.

Chromium compounds (hexavalent and trivalent).

Tannery wastes containing chromium.

Cadmium and cadmium compounds.

Beryllium and beryllium compounds.

Antimony and antimony compounds.

Thallium; thallium compounds

Copper compounds.

Cobalt and cobalt compounds.

Nickel compounds.

Lead and lead compounds.

Zinc compounds.

Selenium and selenium compounds.

Waste from the production, formulation and use of photographic chemicals and processing materials (containing silver).

Barium compounds.

Non-toxic salts (e.g. sodium chloride, calcium chloride).

Boron compounds.

Inorganic sulfur-containing compounds.

Phosphorus compounds, excluding mineral phosphates.

Inorganic chemicals, NOS.

Smelter waste containing prescribed waste.

Oxidising agents, including peroxides, NOS.

Waste of an explosive nature not subject to other legislation, including azides.

Highly reactive chemicals, NOS.

Aqueous-based wastes from the production, formulation and use of inks, dyes, pigments, paints, lacquers and varnish. Aqueous-based wastes from the production, formulation and use of resins, latex, plasticisers, glues and adhesives.

Solvent-based wastes from the production, formulation and use of inks, dyes, pigments, paints, lacquers and varnish.

Solvent-based wastes from the production, formulation and use of resins, latex, plasticisers, glues and adhesives. Ethers and highly flammable hydrocarbons, such as petrol and jet fuel.

Non-halogenated organic solvents.

Dry-cleaning wastes containing organic solvents, such as perchloroethylene.

Halogenated organic solvents.

Wastes from the production, formulation and use of organic solvents, NOS.

Waste from the production, formulation and use of biocides and phytopharmaceuticals, NOS.

Organophosphorus pesticides.

Mixed pesticide residue.

Copper-chrome-arsenic (CCA).

Waste oils unfit for their original intended use (lubricating, hydraulic).

Waste hydrocarbons.

Waste oils and water mixtures or emulsions, and hydrocarbon and water mixtures or emulsions.

Triple interceptor waste and stormwater contaminated with oil or hydrocarbons.

Transformer fluids (excluding PCBs).

Other (cutting oils, soluble oils).

Tarry residues arising from refining, distillation and any pyrolytic treatment.

Used oil filters. Note: this waste must be reused or recycled and is prohibited from disposal to landfill.

Animal effluent and residues. Examples: abattoir wastes, poultry wastes, fish and shellfish wastes.

Grease interceptor trap effluent.

Tannery wastes (not containing chromium) and wool scouring wastes.

Food and beverage processing wastes, including animal and vegetable oils and derivatives.

Car and truck washwaters.

Industrial washwaters from cleaning, rinsing or washing operations, NOS.

Examples: textile cleaning/processing effluent NOS, industrial plant and machinery washwaters, cooling tower washwaters.

Polychlorinated biphenyls (PCBs) (PCBs >50 mg per kg).

Waste substances and articles containing or contaminated with polychlorinated biphenyls (PCBs) ([PCBs] >50 mg per kg).

Solvents, oils and materials contaminated with PCBs ([PCBs] >2 mg per kg and [PCBs] <50 mg per kg).

Non-halogenated organic chemicals (non solvent), NOS. Examples: glycol coolant, radiator fluid, brake fluid.

Phenol and phenol compounds, including halogenated phenols.

Halogenated organic chemicals, NOS.

Isocyanate compounds (organic).

Amines and other nitrogen compounds.

Detergents and surface active agents (surfactants).

Highly odorous organic chemicals (including mercaptans and acrylates).

Prescribed waste residues in rigid steel or plastic containers with an original volume less than 200 litres (hazardous substances to be specified).

Prescribed waste residues in rigid steel or plastic containers with an original volume greater than or equal to 200 litres (hazardous substances to be specified).

Note: this waste must be reused or recycled and is prohibited from disposal to landfill.

Prescribed waste residues in bags or containers not specified under N100 and N105 (hazardous substances to be specified).

Category A contaminated soil - hazardous substances to be specified. (Refer to EPA guidance material for details on identifying Hazard Category). Note: these wastes must not be disposed directly to landfill without prior treatment.

Category B contaminated soil - hazardous substances to be specified. (Refer to EPA guidance material for details on identifying Hazard Category).

Category C contaminated soil - hazardous substances to be specified. (Refer to EPA guidance material for details on identifying Hazard Category).

Spent catalysts (must specify contaminants).

Fire debris and fire wash-waters that are contaminated with chemicals (must specify contaminants).

Fly ash.

Prescribed industrial wastes that are immobilised in accordance with a classification issued by EPA.

Prescribed industrial wastes that are chemically fixed and/or encapsulated.

Prescribed industrial waste that are solidified or polymerised.

Filter cake.

Ion-exchange column residues.

Residues from pollution control operations, NOS. Examples: activated carbon, baghouse dust, residues from industrial waste disposal operations.

Asbestos.

Ceramic-based fibres with physico-chemical characteristics similar to those of asbestos.

Absorbents contaminated with prescribed waste residues, such as rags contaminated with oils, hydrocarbons and organic solvents (must specify contaminants).

Solid wastes contaminated with prescribed waste residues, NOS (must specify contaminants). Examples: contaminated bricks and concrete, contaminated steel, shredder floc.

Clinical and related wastes, NOS (biomedical waste).

Pathogenic substances and quarantine wastes.

Waste from the use of pharmaceutical products, NOS.

Cytotoxic substances.

Waste from the production of pharmaceutical products and cosmetics, NOS.

Waste chemical substances arising from laboratories, research and development, or teaching activities.

Waste from the production, formulation and use of photographic chemicals and processing materials (which do not contain silver).

Inert sludges or slurries, such as clay or ceramic suspensions, drilling mud, and pit water with negligible hydrocarbon contamination.

Foundry sands.

Waste chemicals in small quantities, NOS, such as collected household chemicals.

Кеу	Key Space for jurisdiction to enter o			
		Jurisdictional data as provided		
		Consultant to provide estimate		
		-		
		Data not collect		
	Ton	nes genera	ted	
Waste type	Jul-Dec 2011	Jan-Jun 2012	Jul-Dec 2012	
4400		~ ~	24	
A100 B100	8 5,112	7 5,529	21 5,551	
B100	5,112	5,529	5,551	
C100	3,786	4,449	4,146	
0100	3,700	1,113	1)110	
D100	5	3	6	
D110	3	0	3	
D120	18	7	2	
D121	2	3	6	
D130	1	19	49	
D140	29	131	35	
D141	103	44	61	
D150	1	9	1	
D160	10	0	0	
D170	8	0	9	
D180	0	0	6	
D190	6	11	34	
D200	0	0	0	
D210	98	104	163	
D220 D230	1,120 5,561	996 5,875	940 6,703	
D230	0	0	0,703	
D240	0		0	
D261	291	354	241	
D290	7	1	5	
D300	3,708	1,641	1,661	
D310	6	2	3	
D330	21	1	0	
D360	0	0	0	
D390	74	97	175	
D400	1,149	1,812	663	
E100	4	13	16	
E120	9	0	1	
E130	0	10	0	
F100	4,032	4,025	4,629	
F110	1,706	1,177	988	
F120	5,942	6,268	5,726	
F130	159	82	195	
G100	1,119	474	821	
G110	2,767	2,337	2,194	
G130	63	41	61	
G150	44	35	40	
G160	537	438	610	
H100	61	11	6	
H110	5	5	10	

National Environment Pro			
"15" code	NEPM 15 waste description		
A	Plating and heat treatment		
В	Acids		
С	Alkalis		
D	Inorganic chemicals		
E	Reactive chemicals		
F	Paints, resins, inks, organic sludges		
G	Organic solvents		
Н	Pesticides		
L	Oils		

H160	373	185	265
H170	0	0	0
J100	6,781	6,647	6,726
J110	516	689	684
J120	31,917	28,140	27,715
J130	11,421	11,510	11,904
J140	694	446	573
J150	632	467	360
J160	190	237	448
J170	1,166	1,244	1,367
K100	11,416	5,389	5,130
K100	47,962	48,062	51,113
	47,502	40,002	51,115
K140	528	475	639
K200	21,476	20,737	24,752
L100	3,387	3,139	3,568
L150	25,880	23,292	27,531
M100	46	196	16
M110	8	49	2
M120	85	65	134
M130	57	86	82
M150	0	0	1
M160	2	4	25
M220	6	17	6
M230	9	19	77
MOEO	381	390	179
M250 M260	0	8	21
N100	2,507	3,747	4,246
N105	171	433	687
N110	4,404	3,716	3,850
N119	3,126	1,936	1,479
N120	10,697	10,223	17,402
N121	184,299	159,003	181,146
N130	527	159	102
N140	0	98	494
N150	279	226	213
N160	141	112	259
N170	12,923	9,923	11,216
N180	182	428	424
N190	3,272	2,552	2,416
N200	40	59	107
N210	2,432	3,866	12,392
N220	29,078	28,923	45,852
N230	72	36	34
N250	2,141	2,087	2,602

K	Putrescible/ organic
M	Organic chemicals
N	Soil/ sludge
R	Clinical and pharmaceutical
T	Miscellaneous

N260	2,920	1,421	941
R100	4,908	4,982	5,012
R110	20	38	33
R120	437	370	629
R130	191	483	313
R140	196	200	201
T100	479	478	559
T120	222	133	115
T130	1,070	885	1,304
T160	234	230	156
T170	0	0	0

469,476 424,251 493,283

otection
"75" code
A100
A100
A130
11200
B100
C100
D100
D110
D120
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D140
D150
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D170
D180
D190
D200 D210
D210 D220
D220
D230
D250
D270
D290
D300
D310
D330
D340
D350
D360
E100
F100
F110
G100
G110
G150
G160
H100
H110
H170
J100 J120
J120 J160
1100

K100
K110
K140
K190
M100
M150
M160
M170
M180
M210
M220
M230
M250
M260
N100
N100
N140
N150
N160
N190
N205
N220
N230
R100
1100
R120
R140
T100
T120
T140
T200

Movement of Controlled Waste between States and Territories) Measure

Waste description (NEPM Schedule A, List 1)

Waste resulting from surface treatment of metals and plastics
Waste from heat treatment and tempering operations containing cyanides
Cyanides (inorganic)
Acidic solutions or acids in solid form
Basic solutions or bases in solid form
Metal carbonyls
Inorganic fluorine compounds excluding calcium fluoride
Mercury; mercury compounds
Arsenic; arsenic compounds
Chromium compounds (hexavalent and trivalent)
Cadmium; cadmium compounds
Beryllium; beryllium compounds
Antimony; antimony compounds Thallium; thallium compounds
Copper compounds Cobalt compounds
Nickel compounds
Lead; lead compounds
Zinc compounds
Selenium; selenium compounds
Tellurium; tellurium compounds
Vanadium compounds
Barium compounds (excluding barium sulphate)
Non-toxic salts
Boron compounds
Inorganic sulfides
Perchlorates
Chlorates
Phosphorus compounds excluding mineral phosphates
Waste containing peroxides other than hydrogen peroxide
Waste from the production, formulation and use of inks, dyes, pigments, paints, lacquers and varnish
Waste from the production, formulation and use of resins, latex, plasticisers, glues and adhesives
Ethers
Organic solvents excluding halogenated solvents
Halogenated organic solvents
Waste from the production, formulation and use of organic solvents
Waste from the production, formulation and use of biocides and phytopharmaceuticals
Organic phosphorous compounds
Waste from manufacture, formulation and use of wood-preserving chemicals
Waste mineral oils unfit for their original intended use
Waste oil/water, hydrocarbons/water mixtures or emulsions
Waste tarry residues arising from refining, distillation, and any pyrolytic treatment

Animal effluent and residues (abattoir effluent, poultry and fish processing wastes)

Grease trap waste

Tannery wastes (including leather dust, ash, sludges and flours)

Wool scouring wastes

Waste substances and articles containing or contaminated with polychlorinated biphenyls, polychlorinated napthalenes,

Phenols, phenol compounds including chlorophenols

Organo halogen compounds—other than substances referred to in this Table or Table 2

Polychlorinated dibenzo-furan (any congener)

Polychlorinated dibenzo-p-dioxin (any congener)

Cyanides (organic)

Isocyanate compounds

Triethylamine catalysts for setting foundry sands

Surface active agents (surfactants), containing principally organic constituents and which may contain metals and inorganic materials

Highly odorous organic chemicals (including mercaptans and acrylates)

Containers and drums that are contaminated with residues of substances referred to in this list

Soils contaminated with a controlled waste

Fire debris and fire wash waters

Fly ash, excluding fly ash generated from Australian coal fired power stations

Encapsulated, chemically-fixed, solidified or polymerised wastes referred to in this list

Filter cake contaminated with residues of substances referred to in this list

Residues from industrial waste treatment/disposal operations

Asbestos

Ceramic-based fibres with physico-chemical characteristics similar to those of asbestos

Clinical and related wastes

Waste pharmaceuticals, drugs and medicines

Waste from the production and preparation of pharmaceutical products

Waste chemical substances arising from research and development or teaching activities, including those which are not identified and/or are new and whose effects on human health and/or the environment are not known

Waste from the production, formulation and use of photographic chemicals and processing materials

Tyres

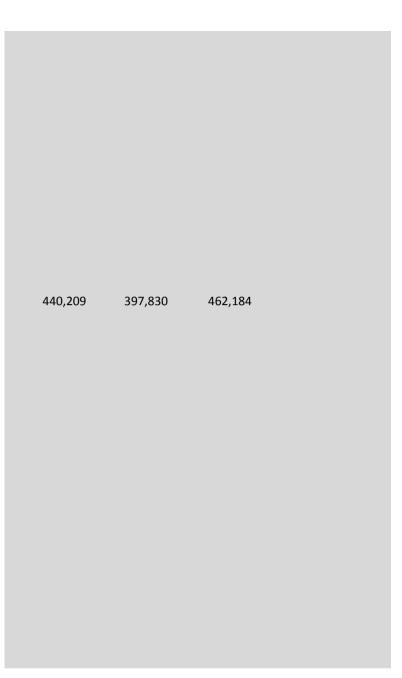
Waste of an explosive nature not subject to other legislation

Tonnes generated			
Jul-Dec 2011	Jan-Jun 2012	Jul-Dec 2012	
8	7	21	
6,261	7,341	6,214	
3,786	4,449	4,146	
5	3	6	
3	0	3	
20	10	8	
1	19	49	
132	175	96	
1	9	1	
10	0	0	
8	0	9	
0	0	6	
46	70	141	
0 98	0 104	0 163	
98 1,647		1,042	
5,561	1,155 5,875	6,703	
0	0	0,703	
	0		
7	1	5	
3,782	1,738	1,836	
6	2	3	
21	1	0	
0	5	0	
0	5	0	
0	0 13	0 16	
9,974	10,293	10,355	
1,865	1,259	1,183	
1,119	474	821	
2,824	2,423	2,276	
107	76	101	
537	438	610	
434	196	271	
5	5	10	
0	0	0	
9,789	9,493	9,710	
43,338	39,650	39,619	
190	237	448	

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Basel Co
Code
Y1
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Y4
Y5
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Y7 Y8
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Y13 Y14
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Y21 Y22
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Y27 Y28
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Y35
Y36 Y37
Y37 Y38
Y39
Y40
Y41

32,892	26,126	29,882	
47,962	48,062	51,113	
264	238	320	
264	238	320	
139	310	152	
0	0	1	
2	4	25	
6	17	6	
9	19	77	
381	390	179	
0	8	21	
9,223	9,983	11,385	
199,426	172,277	201,487	
0	98	494	
279	226	213	
16,166	11,884	12,840	
3,272	2,552	2,416	
2,432	3,866	12,392	
29,078	28,923	45,852	
72	36	34	
5,119	5,503	5,358	
437	370	629	
196	200	201	
479	478	559	
513	487	356	
9	10	1	

Y42
Y43
Y44
Y45
Y46
Y47
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nvention	Т
Waste description (Annex 1)	Jul-Dec 2011
Clinical wastes from medical care in hospitals, medical centres and clinics	5,119
Wastes from the production and preparation of pharmaceutical products	196
Waste pharmaceuticals, drugs and medicines	437
Wastes from the production of biocides and phytopharmaceuticals	434
Wastes from the manufacture of wood preserving chemicals	0
Wastes from the production, formulation and use of organic solvent	537
Wastes from heat treatment and tempering operations containing cyanides	8
Waste mineral oils unfit for their originally intended use	9,789
Waste oils/water, hydrocarbons/water mixtures, emulsion	43,338
Waste substancescontaining or contaminated with PCBs, PCTs, PBBs	139
Waste tarry residues from refining, distillation and any pyrolytic treatment	190
Wastes from production of inks, dyes, pigments, paints, etc	9,974
Wastes from productionresins, latex, plasticizers, glues, etc	1,865
Waste chemical substances arising environment are not known	479
Wastes of an explosive nature not subject to other legislation	13
Wastes from production, formulation and use of photographic chemicals	513
Wastes resulting from surface treatment of metals and plastics	515
Residues arising from industrial waste disposal operations	18,949
Wastes having as constituents	10,545
Metal carbonyls	5
Beryllium; beryllium compounds	10
Hexavalent chromium compounds	132
Copper compounds	46
Zinc compounds	5,561
Arsenic; arsenic compounds	1
Selenium; selenium compounds	0
Cadmium; cadmium compounds	1
Antimony; antimony compounds	8
Tellurium; tellurium compounds	
Mercury; mercury compounds	20
Thallium; thallium compounds	0
Lead; lead compounds	1,647
Inorganic fluorine compounds excluding calcium fluoride	3
Inorganic cyanides	8
Acidic solutions or acids in solid form	6,261
Basic solutions or bases in solid form	3,786
Asbestos (dust and fibres)	29,078
Organic phosphorus compounds	5
Organic cyanides	5
Phenols; phenol compounds including chlorophenols	0
Ethers	1,119
ELITERS	

Organic solvents excluding halogenated solvents	2,824
Any congenor of polychlorinated dibenzo-furan	
Any congenor of polychlorinated dibenzo-p-dioxin	
Organohalogen compounds other than (e.g. Y39, Y41, Y42, Y43, Y44)	2
Categories of wastes requiring special consideration (Annex II)	
Wastes collected from households	
Residues arising from the incineration of household wastes	
Additional waste categories not included in Y-Codes	
Other metal compounds	105
Other inorganic chemicals	3,809
Other organic chemicals	396
Putrescible/ organic waste	81,382
Waste packages and containers containing Annex 1 substances in concentrations sufficient to	0.222
exhibit Annex III hazard characteristics	9,223
Soils/ sludges contaminated with residues of substances in Basel Y-codes 19-45	202,698
Tyres	0

440,217

2,423	2,276
4	25

105	168
1,741	1,839
434	283
74,663	81,634
9,983	11,385
174,927	204,397
0	0

397,837 462,205



WA input to Australia's Basel Convent

This worksheet translates data on WA controlled wa

Category	C-1	Category N
group no.	Category group name Biological wastes	1.01
1	Biological wastes	1.01
		1.03
		1.04
		-
2	Solid/sludge waste requiring	1.05 2.02
2	special handling	2.02
	special nationing	2.04
		2.05
		2.06
		2.07
		2.08
3	Clinical and pharmaceutical wastes	3.05
4	Pesticide wastes	4.01
		4.02
		4.03
5	Paints and resins	5.01
		5.02
		5.03
		6.01
		6.02 6.03
6	Oils and emulsions	6.04
7	Solvents	7.01
		7.02
		7.03
		7.04
8	Other organic chemicals	8.01
		8.02
		8.03
		8.04 8.05
		8.05
		8.07
		8.08
		8.09
		8.1
		8.11
		8.12
		8.13 8.14
9	Acids	9.01
10	Alkalis	10.01
11	Chromium	11.01
12	Cyanide	12.01
		12.02
13	Inorganic chemicals other than	13.01
	inorganic chemicals referred to	13.02
	category groups 9 - 12	13.03
		13.04
		13.05
		13.06
		13.07
		13.08 13.09
		13.09
		13.11
		13.12
		13.13
		13.14
		13.15

		13.16
		13.17
		13.18
		13.19
		13.2
		13.21
		13.22
		13.23
		13.24
14	Low strength waste water	14.04
15	Miscellaneous	15.01
		15.02
		15.03
		15.04
		15.05
		15.06

ion report		
stes into Basel codes (via NEPM codes)	Кеу	
	То	nnes generate
Description	Jul-Dec 2011	Jan-Jun 2012
Animal wastes - smallgoods; tallow; and animals slaughtered for quarantine purposes	4,413	5,951
Septage wastes - wastes from apparatus for the treatment of sewage	97,448	106,448
Grease wastes - wastes resulting from food preparation processes	37,495	33,532
Vegetable oils and derivatives and other wastes (excluding wastes referred to in categories 1.01, 1.02, 1.03 and 1.05)	1,450	1,195
Sewage waste from the reticulated sewage system (ie Water Corporation)	114,932	118,731
Contaminated soils (Class IV or V) Fly ash	1,749 92	4,688 152
Filter cake	5	27
Containers or drums contaminated with residues of a controlled waste	1,812	1,404
Encapsulated, chemically-fixed, solidified or polymerised wastes Waste of an explosive nature not subject to other legislation	828	1,691
Industrial waste treatment plant sludges and residues	941	1,813
Clinical and related wastes – biomedical wastes, pathogenic substances, cytotoxic substances, waste from the production or	1,345	1,283
use of pharmaceutical products Concentrates	93	93
Solutions	461	300
Organochlorine pesticides	11	0
Wastes from the production formulation or use of inks, dyes, resins, adhesives, glues, latex or plasticisers Oil based paints (all options)	443	347 526
Water based and acrylic paints (all options)	316	288
Oil interceptor waste	4,721	1,928
Oil/water mixtures	25,209	24,697
Oil sludges i.e. plate separators Waste mineral oils unfit for their originally intended use	7,811 39,743	5,640 43,162
Halogenated aliphatics	90	173
Non-halogenated aliphatics	854	594
Halogenated aromatics Non-halogenated aromatics	21 199	17 211
Engine coolants	1,402	1,263
Ethers	14	62
Highly odorous organic chemicals (including mercaptans and acrylates) Isocyanate compounds	12 17	0
Organohalogen compounds other than substances referred to elsewhere in this schedule	18	3
PBBs (polybrominated biphenyls)	0	0
PCBs (polychlorinated biphenyls) PCNs (polychlorinated napthalenes)	31	186 0
PCTs (polychlorinated terphenyls)	0	0
Phenols and phenol compounds including chlorophenols	0	43
Phosphorous compounds Surface acting agent (Surfactant) - Detergents	0 142	0 80
Surface acting agent (Surfactant) – Wetting agents	89	70
Surface acting agent (Surfactant) - Emulsifiers	185	18
	1,852 48,739	1,063 47,545
	34	37
Inorganic cyanide	3	11
Organic cyanide	1	0
Antimony or Antimony compounds Arsenic or Arsenic compounds	49	0
Barium compounds (excluding barium sulphate)	0	0
Beryllium; beryllium compounds	1	0
Boron	0	0
Cadmium or cadmium compounds Chlorates	7	30
Cobalt compounds	2	0
	8	149
Copper compounds Fluorine compounds (excluding calcium fluoride)	0	0
Lead; lead compounds		336
Mercury	7	8
Metal carbonyls Nickel compounds	1	7
Non toxic salts	5,030	2,833

Perchlorates	10	8
Phosphorous compounds		0
Photographic waste	3	1
Selenium; selenium compounds	11	0
Sulphides		10
Tellurium	0	0
Thallium	0	1
Vanadium compounds	236	0
Zinc compounds	156	280
Fire debris and wash water (may vary)	101	40
Residues from industrial waste treatment or disposal operations	1,164	1,228
Waste from the manufacture, formulation and use of wood-preserving chemicals		8
Waste chemical substances arising from research and development or teaching activities including those which are not identified or new, or the effects on environment or human health are not known etc.	77	211
Waste resulting from surface treatment of metals and plastics (potentially various categories)		784
Waste tarry residue arising from refining, distillation or pyrolytic treatment.		46
Waste tyres		17,924

Space for jurisdiction to enter data Jurisdictional data as provided Consultant to provide estimate Data not collected

ed	
Jul-Dec	
	7,403
	125,353
	35,326
	1,146
	135,227
	1,755
	13
	60
	1,855
	11,676
	0
	4,583
	1,316
	135
	575
	0
	542
	412
	319
	2,315
	22,366
	6,471
	46,858
	69
	900
	3
	530
	2,172
	15
	6
	32
	23
	0
	28
	0
	0
	31
	0
	65
	29
	12
	1,995
	40,810
	<u>40,810</u> 22
	36
	0
	18
	17
	0
	8
	4
	12
	35
	1
	282
	21
	58
	20
	55
	55 0
	55

.c		
"15"	al Environment Prot NEPM 15 waste	ection (M "75" code
code	description	A100
A	Plating and heat treatment	A100 A110
		A130
В	Acids	B100
С	Alkalis	C100
D	Inorganic chemicals	D100
		D110
		D120
		D130
		D140 D150
		D150
		D170
		D180
		D190
		D200
		D210
		D220
		D230
		D240
		D250 D270
		D270 D290
		D300
		D310
		D330
		D340
		D350
-	Depative alternicale	D360
<u> </u>	Reactive chemicals Paints, resins, inks, organic	E100 F100
	sludges	F110
G	Organic solvents	G100
		G110
		G150
		G160
Н	Pesticides	H100
		H110 H170
J	Oils	J100
Ū		J120
		J160
К	Putrescible/ organic waste	K100
		K110
		K140
М	Organic chemicals	K190 M100
	- Game another for the	M100 M150
		M150
		M170
		M180
		M210
		M220
		M230
		M250
		M260
Ν	Soil/ sludge	N100
		N120 N140
		N140 N150
		N150

48 0 3 0 8 0
3 0 8
0
0
0
0
0
146
69
1,407
17
243
646
20 17,245
17,245

		N190
		N205
		N220
		N230
R	Clinical and pharmaceutical	R100
		R120
		R140
т	Miscellaneous	T100
		T120
		T140
		T200

lovement of Controlled Waste between States and Territories) Measure	Tonnes generated	
Waste description (NEPM Schedule A, List 1)	Jul-Dec 2011	Jan-Jun 2012
Waste resulting from surface treatment of metals and plastics	1,140	784
Waste from heat treatment and tempering operations containing cyanides		
Cyanides (inorganic)	3	11
	1,852	1,063
Acidic solutions or acids in solid form	1,652	1,003
Basic solutions or bases in solid form	48,739	47,545
Metal carbonyls	1	7
Inorganic fluorine compounds excluding calcium fluoride	0	0
Mercury; mercury compounds	7	8
Arsenic; arsenic compounds Chromium compounds (hexavalent and trivalent)	34	37
Cadmium; cadmium compounds	34	2
Beryllium; beryllium compounds	1	0
berymann, berymann compounds	1	
Antimony; antimony compounds	24	0
Thallium; thallium compounds	0	1
Copper compounds	8	149
Cobalt compounds	2	0
Nickel compounds	11	6
Lead; lead compounds	521	336
Zinc compounds	156	280
Selenium; selenium compounds	11	0
Tellurium; tellurium compounds	0	0
Vanadium compounds	236	0
Barium compounds (excluding barium sulphate)	0	0
Non-toxic salts	5,030	2,833
Boron compounds	0	0
Inorganic sulfides	0	10
Perchlorates	10	8
Chlorates	7	30
Phosphorus compounds excluding mineral phosphates	1	0
Waste containing peroxides other than hydrogen peroxide		
Waste from the production, formulation and use of inks, dyes, pigments, paints, lacquers and varnish	979	988
Waste from the production, formulation and use of resins, latex, plasticisers, glues and adhesives	222	174
Ethers Organic solvents excluding halogenated solvents	2,456	62 2,068
Halogenated organic solvents	2,430	2,008
Waste from the production, formulation and use of organic solvents		<u> </u>
Waste from the production, formulation and use of biocides and phytopharmaceuticals	565	393
Organic phosphorous compounds	0	0
Waste from manufacture, formulation and use of wood-preserving chemicals	98	8
Waste mineral oils unfit for their original intended use	47,554	48,802
Waste oil/water, hydrocarbons/water mixtures or emulsions	29,930	26,625
Waste tarry residues arising from refining, distillation, and any pyrolytic treatment	55	46
Animal effluent and residues (abattoir effluent, poultry and fish processing wastes)	5,863	7,146
Grease trap waste	37,495	33,532
Tannery wastes (including leather dust, ash, sludges and flours)		
Wool scouring wastes		
polychlorinated terphenyls and/or polybrominated biphenyls	31	186
Phenols, phenol compounds including chlorophenols	0	43
Organo halogen compounds—other than substances referred to in this Table or Table 2	119	185
Polychlorinated dibenzo-furan (any congener)		
Polychlorinated dibenzo-p-dioxin (any congener)		
Cyanides (organic)	1	0
Isocyanate compounds	17	1
Triethylamine catalysts for setting foundry sands		
Surface active agents (surfactants), containing principally organic constituents and which may contain metals and inorganic	417	168
materials		
Highly odorous organic chemicals (including mercaptans and acrylates)	12	0
Containers and drums that are contaminated with residues of substances referred to in this list	1,812	1,404
Colle contaminated with a controlled waste	1,749	4,688
Soils contaminated with a controlled waste		10
Soils contaminated with a controlled waste Fire debris and fire wash waters Fly ash, excluding fly ash generated from Australian coal fired power stations	101	40 152

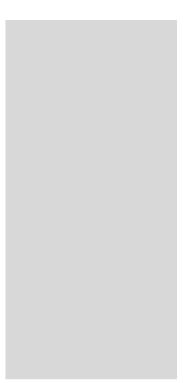
Filter cake contaminated with residues of substances referred to in this list	5	27
Residues from industrial waste treatment/disposal operations	1,164	1,228
Asbestos		
Ceramic-based fibres with physico-chemical characteristics similar to those of asbestos		
Clinical and related wastes	448	428
Waste pharmaceuticals, drugs and medicines	448	428
Waste from the production and preparation of pharmaceutical products	448	428
Waste chemical substances arising from research and development or teaching activities, including those which are not identified and/or are new and whose effects on human health and/or the environment are not known	77	211
Waste from the production, formulation and use of photographic chemicals and processing materials	3	1
Tyres	14,479	17,924
Waste of an explosive nature not subject to other legislation	0	0

Jul-Dec 2012
646
36
1,995
40,810
0
21
55
17
22
12
8
18
0
282
1
24
58
146
0
0
0
0
3,913
4
48
35
0
1,002
271
15
3,603
2
711
0
17
17 53,329
17 53,329 24,681
17 53,329 24,681 20
17 53,329 24,681 20 8,549
17 53,329 24,681 20
17 53,329 24,681 20 8,549
17 53,329 24,681 20 8,549 35,326
17 53,329 24,681 20 8,549 35,326
17 53,329 24,681 20 8,549 35,326 28 28 31
17 53,329 24,681 20 8,549 35,326
17 53,329 24,681 20 8,549 35,326 28 28 31
17 53,329 24,681 20 8,549 35,326 28 28 31
17 53,329 24,681 20 8,549 35,326 28 28 31 94 94
17 53,329 24,681 20 8,549 35,326 28 28 31 94
17 53,329 24,681 20 8,549 35,326 28 31 94 94 0 32
17 53,329 24,681 20 8,549 35,326 28 31 94 94 0 0 32
17 53,329 24,681 20 8,549 35,326 28 31 94 94 0 32 32 105 6
17 53,329 24,681 20 8,549 35,326 28 31 94 94 0 0 32 105 6 1,855
17 53,329 24,681 20 8,549 35,326 28 31 94 94 0 0 32 105 6 1,855 1,755
17 53,329 24,681 20 8,549 35,326 28 31 94 94 0 0 32 105 6 1,855 1,755 69
17 53,329 24,681 20 8,549 35,326 28 31 94 94 0 0 32 105 6 1,855 1,755

sel Co	el Convention		
Code	Waste description (Annex 1)	Jul-Dec 2011	
Y1	Clinical wastes from medical care in hospitals, medical centres and clinics	4	
Y2	Wastes from the production and preparation of pharmaceutical products	4	
Y3	Waste pharmaceuticals, drugs and medicines	4	
Y4	Wastes from the production of biocides and phytopharmaceuticals	5	
Y5	Wastes from the manufacture of wood preserving chemicals		
Y6	Wastes from the production, formulation and use of organic solvent		
Y7	Wastes from heat treatment and tempering operations containing cyanides		
Y8	Waste mineral oils unfit for their originally intended use	47,5	
Y9	Waste oils/water, hydrocarbons/water mixtures, emulsion	29,9	
Y10	Waste substancescontaining or contaminated with PCBs, PCTs, PBBs		
Y11	Waste tarry residues from refining, distillation and any pyrolytic treatment		
Y12	Wastes from production of inks, dyes, pigments, paints, etc	g	
Y13	Wastes from productionresins, latex, plasticizers, glues, etc	2	
Y14	Waste chemical substances arising environment are not known		
Y15	Wastes of an explosive nature not subject to other legislation		
Y16	Wastes from production, formulation and use of photographic chemicals		
Y17	Wastes resulting from surface treatment of metals and plastics	1,1	
Y18	Residues arising from industrial waste disposal operations	2,0	
	Wastes having as constituents		
Y19	Metal carbonyls		
Y20	Beryllium; beryllium compounds		
Y21	Hexavalent chromium compounds		
Y22	Copper compounds		
Y23	Zinc compounds		
Y24	Arsenic; arsenic compounds		
Y25	Selenium; selenium compounds		
Y26 Y27	Cadmium; cadmium compounds Antimony; antimony compounds		
Y28	Tellurium; tellurium compounds		
Y29	Mercury; mercury compounds		
Y30	Thallium; thallium compounds		
Y31	Lead; lead compounds	[
Y32	Inorganic fluorine compounds excluding calcium fluoride		
Y33	Inorganic cyanides		
Y34	Acidic solutions or acids in solid form	1,8	
Y35	Basic solutions or bases in solid form	48,7	
Y36	Asbestos (dust and fibres)		
Y37	Organic phosphorus compounds		
Y38	Organic cyanides		
Y39	Phenols; phenol compounds including chlorophenols		
Y40	Ethers		
Y41 Y42	Halogenated organic solvents Organic solvents excluding halogenated solvents	2,4	
Y43	Any congenor of polychlorinated dibenzo-furan	۷,۲	
Y44	Any congener of polychlorinated dibenzo-p-dioxin		
Y45	Organohalogen compounds other than(e.g. Y39, Y41, Y42, Y43, Y44)		
	Categories of wastes requiring special consideration (Annex II)		
Y46	Wastes collected from households		
Y47	Residues arising from the incineration of household wastes		
	Additional waste categories not included in Y-Codes		
1	Other metal compounds		
2	Other inorganic chemicals	5,0	
3	Other organic chemicals	2	
4	Putrescible/ organic waste	43,3	
5	Waste packages and containers containing Annex 1 substances in concentrations sufficient to	1,8	
	exhibit Annex III hazard characteristics		
6	Soils contaminated with residues of substances in Basel Y-codes 19-45	1,7	
7	Sludges contaminated with residues of substances in Basel Y-codes 19-45	1	
8	Tyres	14,4	

60	
1,407	
439	
439	
433	
439	
243	
2.0	
2	
5	
17,245	
0	

Jan-Jun 2012	Jul-Dec 2012
428	439
428	439
428	439
393	711
8	17
48,802	53,329
26,625	24,681
186	28
46	20
988	1,002
174	271
211	243
38	83
1	3
784	646 13,096
3,071	13,090
7	0
0	8
37	22
149	282
280	146
0	17
0	0
2	12
0	18
0	0
8	55 0
336	58
0	21
11	36
1,063	
47,545	40,810
0	0
0	0
0	0
43	31
<u>62</u> 9	15
2,068	2 3,603
105	94
185	94
c	25
6 2,843	3,925
169	144
40,678	43,875
1,404	1,855
4,688	1,755 129
17,924	17,245



Quality assurance checks

This worksheet undertakes automated QA checks on jur

Key		The reported quantity of this waste ty Incorrect data deleted to maintain int Used in some waste quantity estimate		
	Bold italics	The max. no. reported by the jurisdict Datum not reported		
	"15" code	NEPM 15 waste description	"75" code	
	А	Plating and heat	A100	
		treatment	A110	
			A130	
	В	Acids	B100	
	С	Alkalis	C100	
	D	Inorganic chemicals	D100	
		U	D110	
			D120	
			D130	
			D140	
			D150	
			D160	
			D170	
			D180	
			D190	
			D200	
			D210	
			D220	
			D230	
			D240	
			D250	
			D270	
			D290	
			D300	
			D310	
			D330	
			D340	
			D350	
			D360	
	E	Reactive chemicals	E100	
	F	Paints, resins, inks,	F100	
		organic sludges	F110	
	G	Organic solvents	G100	
			G110	
			G150	
			G160	
	Н	Pesticides	H100	
			H110	
		01	H170	
	J	Oils	J100	
			J120	
	17	Dutropolitie / argania	J160	
	К	Putrescible/ organic	K100 K110	
		waste	K110 K140	
			K140 K190	
	М	Organic chemicals	M100	
	l	l	M150	

1	
	M160
	M170
	M180
	M210
	M220
	M230
	M250
	M260
Soil/ sludge	N100
	N120
	N140
	N150
	N160
	N190
	N205
	N220
	N230
Clinical and	R100
pharmaceutical	R120
	R140
Miscellaneous	
	T100
	T120
	T140
	T200
	Clinical and

isdictional data translated into NEPM codes. It displays potential errors by comparing the reported waste quantities with:

pe per capita is greater than 100x or less than 0.01x the national average across the three data periods egrity of national average (required for extrapolation)

es

ion for this waste type in a six-monthly period is greater than 100x the min.

Waste description (NEPM Schedule A, List 1)

Waste resulting from surface treatment of metals and plastics Waste from heat treatment and tempering operations containing cyanides Cyanides (inorganic) Acidic solutions or acids in solid form Basic solutions or bases in solid form Metal carbonyls Inorganic fluorine compounds excluding calcium fluoride Mercury; mercury compounds Arsenic; arsenic compounds Chromium compounds (hexavalent and trivalent) Cadmium; cadmium compounds Beryllium; beryllium compounds Antimony; antimony compounds Thallium; thallium compounds Copper compounds Cobalt compounds Nickel compounds Lead; lead compounds Zinc compounds Selenium; selenium compounds Tellurium; tellurium compounds Vanadium compounds Barium compounds (excluding barium sulphate) Non-toxic salts Boron compounds Inorganic sulfides Perchlorates Chlorates Phosphorus compounds excluding mineral phosphates Waste containing peroxides other than hydrogen peroxide Waste from the production, formulation and use of inks, dyes, pigments, paints, lacquers and varnish Waste from the production, formulation and use of resins, latex, plasticisers, glues and adhesives Ethers Organic solvents excluding halogenated solvents Halogenated organic solvents Waste from the production, formulation and use of organic solvents Waste from the production, formulation and use of biocides and phytopharmaceuticals Organic phosphorous compounds Waste from manufacture, formulation and use of wood-preserving chemicals Waste mineral oils unfit for their original intended use Waste oil/water, hydrocarbons/water mixtures or emulsions Waste tarry residues arising from refining, distillation, and any pyrolytic treatment Animal effluent and residues (abattoir effluent, poultry and fish processing wastes) Grease trap waste Tannery wastes (including leather dust, ash, sludges and flours) Wool scouring wastes Waste substances and articles containing or contaminated with polychlorinated biphenyls, polychlorinated napthalenes, polychlorinated terphenyls and/or polybrominated biphenyls Phenols, phenol compounds including chlorophenols

Organo halogen compounds—other than substances referred to in this Table or Table 2 Polychlorinated dibenzo-furan (any congener) Polychlorinated dibenzo-p-dioxin (any congener) Cyanides (organic) Isocyanate compounds Triethylamine catalysts for setting foundry sands Surface active agents (surfactants), containing principally organic constituents and which may contain metals and inorganic materials Highly odorous organic chemicals (including mercaptans and acrylates) Containers and drums that are contaminated with residues of substances referred to in this list Soils contaminated with a controlled waste Fire debris and fire wash waters Fly ash, excluding fly ash generated from Australian coal fired power stations Encapsulated, chemically-fixed, solidified or polymerised wastes referred to in this list Filter cake contaminated with residues of substances referred to in this list Residues from industrial waste treatment/disposal operations Asbestos Ceramic-based fibres with physico-chemical characteristics similar to those of asbestos Clinical and related wastes Waste pharmaceuticals, drugs and medicines Waste from the production and preparation of pharmaceutical products Waste chemical substances arising from research and development or teaching activities, including those which are not identified and/or are new and whose effects on human health and/or the environment are not known

Waste from the production, formulation and use of photographic chemicals and processing materials Tyres

Waste of an explosive nature not subject to other legislation

data reported by that jurisdiction for another six-monthly period; and the national average.

	ACT			NSW			NT	
Population (m		iod)	Population (riod)	Population (eriod)
369,454	373,711	, 376,925	7,240,844	,287,871	, 7,329,387	232,492	233,757	236,738
Waste genera	ated <i>(g/capit</i>	a)	Waste gener	ated (g/capi	ta)	Waste gener	rated (g/ca	pita)
Jul-Dec	Jan-Jun	Jul-Dec	Jul-Dec	Jan-Jun	Jul-Dec	Jul-Dec	Jan-Jun	Jul-Dec
2011	2012	2012	2011	2012	2012	2011	2012	2012
0	0	0		58	1			
0	0	0	15	0	0			
0	0	0	0	12	0			
0	7	1	26,502	19,002	19,312			
<u>30</u>	<u>8</u>	2	8,143 0	7,367 0	<u>6,532</u> 0			
0	0	0	21	12	0 1,474			
57	34	14	2,420	348	266			
0	0	0		87	_00 74			
0	0	0		1,121	709			
0	0	0	-	24	7			
0	0	0		0	0			
0	0	0		0	0			
0	0	0		0	0			
0	0	0		3	22			
0	0	0		47	90			
0	0	0		25	0			
126	422	351	29,822 841	10,035 663	17,218 598			
0 0	0 0	0 0	841 0	003	598			
0	0	0		0	0			
0	0	0	3	82	42			
0	0	0		0	0			
0	0	0		16,257	24,435			
0	0	0	0	0	210			
0	0	0	3	0	0			
0	0	0	0	0	0			
0	0	0	0	0	0			
0	0	0	0	7	53			
0	<u> </u>	254	286	264	215			
92 0	83 1	254 2	15,967 3,031	17,264 4,591	17,622 15,151			
0	0	0		4,591	0			
53	35	56		4,646	3,699			
7	10	12	317	324	277			
0	0	0		1,312	1,181			
0	0	1	528	542	461			
0	0	0	2	30	31			
0	0	0		1	38			
1,336	1,543	1,821		249,954	107,032			
1,136	2,883	2,386		142,726	140,535			
0	0	0	142	427	270			
0 7,197	0 6,713	0 8,199						
7,197 0	0,715	8,199 0						
0	0	0						
43	0	48	2,742	2,231	2,901			
0	0	0	313	170	144	I		

0	0	0	8	4	9	
0	0	0	0	0	0	
0	0	0	0	0	0	
0	0	0	0	0	0	
0	0	0	234	108	110	
0	0	0	0	0	0	
0	0	0	17,416	15,443	11,394	
0	0	0	0	0	0	
13	12	19				
191	530	17				
0	0	0	1,242	1,676	1,858	
0	0	0	0	0	0	
0	0	0	16,230	13,151	19,664	
0	0	0	12,358	5,282	4,315	
0	0	0	31,196	34,106	33,205	
0	1	52				
0	0	0	0	0	0	
290	335	399				
0	4	1				
0	0	0	378	281	595	
82	41	61	2,852	3,394	3,535	
52	40	47	256	245	332	
444	1,898	1,673				
0	0	0	97	26	0	

	Qld		[SA		[Tas	
			Population (riod)	Population (middle of period)		
4,498,378	4,545,952	4,593,294	1,643,273	1,652,345	1,659,649	511,930	512,303	512,333
Waste gener			Waste gener			Waste gene		
Jul-Dec	Jan-Jun	Jul-Dec	Jul-Dec	Jan-Jun	Jul-Dec	Jul-Dec	Jan-Jun	Jul-Dec
2011	2012	2012	2011	2012	2012	2011	2012	2012
2011	480	475	2011	56	2012		2012	2012
	0	0						
	59	59	3	4	5			
	1,445	1,430	526	165	159			12
	18,423	18,233		18,169	21,423			0
	10	10	2	,	17			
	27	27			15			
	46	45	7	53	5			0
	91	90	296	2				
	127	126	4	1				
	2	2	0	0	2			1
	0	0			0			
	0	0						
	0	0		0				
	65	64	44	6	11			
	14	13	3	5	3			
	814	806	751	9,383	1,630			96
	51	50	6,290	6,106	15,177			28,695
	0	0						
	0	0						
	0	0						
	0	0						
	4,488	4,442	144	153	2,543			991
	0	0						
	38	37	29					
	0	0	2		0			
	15	15	2					
	47	47	2		4			0
	1 472	1 457	2	F16	1			0
	1,472 139	1,457 137	660 86	516 78	864 62			0
	139	137	30	1	2			0
	233	231	473	508	2 173			
	16	16	473	43	31			145
	1,374	1,360	0	4	51			145
	220	218	72	15	15			13
	6	6	28	14	23			
	27	27	394	88	1			
	9,627	9,527	461	278	415			
	18,632	18,440	325	776	759			30
	, 57	, 56	42	12	16			84
	5,464	5,407						
	14,720	14,568						
	676	669	0					
	3,608	3,570	9	2	6			0
					0			0
	226	224		0				

	100	99	2	1	0	
	3	3				
	0	0				
	0	0				
	0	0			1	
	5	5	3		1,448	
	40	39	1	8	4	
	212	210	5		10	
	0	0	107	118	118	
			100,165	178,964	86,616	
			16	2	0	
	81	58	156	140	160	
	526	521	28	7	39	
	1,663	1,646	131	157	111	
	654	647	26,084	15,813	20,326	
2:	1,914	21,688	6,586	7,247	5,670	
1	2,811	12,679	7	10	6	
			1,900	1,953	1,957	
2	2,630	2,603	117	89	107	
	144	142	1		0	
	5	5	122	124	116	
	95	94	6	6	6	
	41	40	-	-	-	
	4,401	4,355			0	

				WA			
	Vic			Aus	Australia		
Population (n		•	Population (
5,560,418	5,611,788	5,657,078	2,372,126	2,416,263			
Waste genera	ated <i>(g/capit</i>	ta)	Waste gener	ated <i>(g/capi</i>	ta)		
Jul-Dec	Jan-Jun	Jul-Dec	Jul-Dec	Jan-Jun	Jul-Dec	Average	Weighted
2011	2012	2012	2011	2012	2012	Average	average
			480	325	263	157	172
						2	3
1	1	4	1	4	15	10	12
1,126	1,308	1,098	781	440	812	4,118	8,291
681	793	733	,	19,677	16,606	13,553	11,115
1	1	1	0	3	0	3	2
4	0	1	0	0	9	106	196
0	2	9	3 21	3 0	22 7	185 44	368 47
24	3 31	9 17	21 14	15	9	44 1,413	
24	2	0	14	15	5	1,415	2,737 7
2	2	0	0	0	3 3	4	0
1	0	2	0 10	0		1	1
0	0	1	10	0	, 0	0	0
8	12	25	3	62	115	27	27
0	0	0	1	0	0	15	28
18	19	29	5	2	10	13	21
296	206	184	220	139	23	4,029	7,254
1,000	1,047	1,185		116	59	3,441	1,537
0	0	0	5	0	0	0	0
			0	0	0	0	0
			100	0	0	21	30
1	0	1	0	0	0	0	0
680	310	325	2,121	1,173	1,592	4,269	7,902
1	0	1	0	0	2	15	28
4	0	0	0	4	3	8	8
0	1	0	4	3	19	2	1
0	1	0	3	12	14	4	4
0	0	0	0	0	0	11	15
1	2	3				56	107
1,794	1,834	1,830	413	409	408	3,702	6,886
335	224	209		72	110	1,351	2,807
201	84	145		26	6	30	44
508 19	432	402 18	1,035 4	856 4	1,466 1	1,143 72	1,867
19 97	14 78	18		4	1	72 456	120 730
78	35	48	238	163	289	430	260
1	1	48	238 0	103 0	289 0	8	200
0	0	0	41	3	7	39	29
1,760	1,692	1,716	20,047	20,197	, 21,701	36,278	66,881
7,794	7,065	7,003	12,617	11,019	10,043	27,316	52,342
34	42	79	23	19	8	73	126
5,915	4,656	5,282	2,472	2,957	3,479	3,239	4,664
8,626	8,564	9,035		13,878	, 14,375	11,062	11,521
47	42	56				24	46
47	42	56				166	243
25	55	27	13	77	11	854	1,477
0	0	0	0	18	12	74	116

0	1	4	50	77	38	22	24
						1	1
						0	0
			1	0	0	0	0
1	3	1	7	0	13	32	58
2	3	14				106	49
69	69	32	176	70	43	2,489	5,258
0	1	4	5	0	3	28	34
1,659	1,779	2,013	764	581	755	529	911
35,865	30,699	35,617	737	1,940	714	39,338	39,327
0	17	87	43	17	28	332	686
50	40	38	39	63	5	49	39
2,907	2,118	2,270	349	700	4,751	3,721	6,827
588	455	427	2	11	24	1,598	3,004
437	689	2,191	491	508	573	9,819	13,884
5,229	5,154	8,105				6,804	10,300
13	6	6				1,824	2,164
921	981	947	189	177	178	787	890
79	66	111	189	177	178	424	683
35	36	36	189	177	178	137	208
86	85	99	32	87	99	602	1,201
92	87	63	1	1	1	79	136
			6,104	7,418	7,017	3,079	2,943
2	2	0	0	0	0	592	707

Gap data

Key: Green font

	ACT
Sep-11	369,454
Mar-12	373,711
Sep-12	376,925

Factor for 'Wastes collected from households'

MSW generated in Australia 2010/11 excl. ACT (Mt)	14.037
Population Australia 2010/11	22,172,469
Population ACT 2010/11 (millions)	364,833
Days per year	365
Assumed % not relevant to Basel	10%
MSW generated (kg/capita/day)	1.76
Basel generation rate (kg/capita/day)	1.59
Basel generation rate (t/capita/six monthly period)	0.29

Waste data from other sources

Waste data nom other sources	
Assumptions:	The data the l
	The waste ger
Tyres	
Mass of an equivalent passenger unit (kg)	8
	ACT
End-of-life arisings of tyres, 2009/10 (equivalent passenger units)	403,147
End-of-life arisings of tyres, 2009/10 (tonnes)	3,225
Waste tyres generated in each 6 months relevant to this work (tonnes)	1,613
Biosolids ('K130')	
Biosolids generated in Australia, 2010	55,156
Biosolids generated in each 6 months relevant to this work (tonnes)	27,578
Check: kg/capita	146
Asbestos	
Asbestos generated, 2010/11	
Asbestos generated in each 6 months relevant to this work (tonnes)	
Soils contaminated with a controlled waste	
Contaminated soils, 2011/12	
Contaminated soil generated in each 6 months relevant to this work (tonnes)	

Biosolids data and assumptions

Assumptions: Tonnes gene

For the mixe

Biosolids Production and End Use - 2010 Source:

Managemer

Re-Use

New South Wales / ACT

Landfill / Stockpile

	Re-Use
Queensland	Landfill / Stockpile
	Re-Use
South Australia	
Tasmania	Landfill / Stockpile
	Re-Use
Victoria	
Western Australia & Northern Territory	

Data obtained t	from an ext	ternal source	as specified			Red font	Assumption
				_			
NSW	NT	Qld	SA	Tas	Vic	WA	Sources
7,240,844	232,492	4,498,378	1,643,273	511,930	5,560,418	2,372,126	
7,287,871	233,757	4,545,952	1,652,345	512,303	5,611,788	2,416,263	
7,329,387	236,738	4,593,294	1,659,649	512,333	5,657,078	2,457,478	Australian Bure
							<i>Sources</i> Blue Environm Australian Bure Australian Bure Blue Environm
isted source is n neration rate in NSW							
12,620,986	673,660	11,006,907	3,598,172	1,242,732	10,514,094	8,408,678	Table 8 of Hyd
100,968	5 <i>,</i> 389	88,055	28,785	9,942	84,113	67,269	
50,484	2,695	44,028	14,393	4,971	42,056	33,635	
320,657	4,867	302,260	106,222	35,821	415,402	109,861	SEE THE CALCU
160,329	2,433	151,130	53,111	17,911	207,701	54,931	
44	21	66	64	70	73	45	
199,000							Data workbool
99,500							
504,500 252,250	[216,854 108,427					Data workbool
wated – cum a	of all end u	ises (agricult	ure compo	sting fores	try landfill	sea stockn	ile, unspecified)

Note: This assumption differs from that applied in *Waste Generation and Resource Recovery in Au* data to 'stockpile' and 'unspecified'. The broader definition applied here is consistent with the Based **NSW/ACT** and **NT/WA** data (below), the tonnage proportions can be separated based on productions of the separated based on productions can be separated based on productions can based on productions can be sepa

Australian & New Zealand Biosolids Partnership (http://www.biosolids.com.au/bs-australia.php),

nt En	d Use	t _{biosolids}	Figure 2 – Biosolids production in Australi
Agrici	ulture	204,882	rigule 2 - Diosolids production in Australi
Compo	osting	76,227	
Fo	restry		
La	andfill	5,316	
	Sea	17,520	The results of the survey are also presented in Ta
Sto	ckpile		Table C. Discolids was deading in Association
Unspe	cified	71,868	Table 2 - Biosolids production in Australia

Agriculture	271,084
Composting	
Forestry	
Landfill	25,176
Sea	
Stockpile	
Unspecified	6,000
Agriculture	97,333
Composting	8,889
Forestry	
Landfill	
Sea	
Stockpile	
Unspecified	
Agriculture	11,055
Composting	6,930
Forestry	
Landfill	13,956
Sea	
Stockpile	2991
Unspecified	889
Agriculture	94,778
Composting	14,236
Forestry	
Landfill	
Sea	
Stockpile	303352
Unspecified	3,036
Agriculture	61,288
Composting	20,424
Forestry	16352
Landfill	11,797
Sea	
Stockpile	4867
Unspecified	

(tonnes per year ary solid)	sj
State	tonnes per
ACT	12,4
NSW	72,
NT	1,0
QLD	68,0
SA	23,
TAS	8,0
VIC	93,
WA	24,
Total	303,

11,055 6,930
12.050
13,956
2991
889
94,778
14,236
,
30335 <mark>2</mark>
3,036
61,288
20,424
20,424 16352
20,424
20,424 16352

Used to estimate waste quantities

eau of Statistics (2013) 3101.0 Australian Demographic Statistics, June 2013, TABLE 4. Estimated Resident Population, Stat eau of Statistics (2013) 3101.0 Australian Demographic Statistics, June 2013, TABLE 4. Estimated Resident Population, Stat eau of Statistics (2013) 3101.0 Australian Demographic Statistics, June 2013, TABLE 4. Estimated Resident Population, Stat

ent & Randell Environmental Consulting (in press) *Waste Generation and Resource Recovery in Australia*, prepared for the eau of Statistics (2013) 3101.0 Australian Demographic Statistics, June 2013, TABLE 4. Estimated Resident Population, Stat eau of Statistics (2013) 3101.0 Australian Demographic Statistics, June 2013, TABLE 4. Estimated Resident Population, Stat

ent estimate based on review of Vic data and personal communication with EPA NSW

er Consulting (2012) Study into Domestic and International Fate of End- of-Life Tyres, prepared for COAG, available from:

er Consulting (2012) Study into Domestic and International Fate of End- of-Life Tyres, prepared for COAG, available from:

JLATIONS BELOW

supporting: Blue Environment & Randell Environmental Consulting (2014) Waste Generation and Resource Recovery in A

supporting: Blue Environment & Randell Environmental Consulting (2014) Waste Generation and Resource Recovery in A

stralia, which excludes waste allocated in the source el Convention's definition of waste generation. <mark>tion tonnages using Fig 2 below</mark>

as presented in the data workbook supporting: Blue Environment & Randell Environmental Consulting (2014)

ia (2010)

Source for Figure 2 DSEWPaC (2011) Biosolids snapshot, prepared by Pollution Solutions and Design, a

able 2 below.

r year (dry)
410
148
)95
009
900
)59
466
719
,806

es and Territories (Number) es and Territories (Number) es and Territories (Number)

e Commonwealth Department of the Environment, available from: http://www.environment.gov.au/resource/waste-gen es and Territories (Number) es and Territories (Number)

http://www.scew.gov.au/resource/study-domestic-and-international-fate-end-life-tyres-final-report

http://www.scew.gov.au/resource/study-domestic-and-international-fate-end-life-tyres-final-report

ustralia, prepared for the Commonwealth Department of the Environment, available from: http://www.environment.go

ustralia, prepared for the Commonwealth Department of the Environment, available from: http://www.environment.go

Waste Generation and Resource Recovery in Australia, prepared for the Commonwealth Department of the I

available from: http://www.environment.gov.au/resource/biosolids-snapshot

eration-and-resource-recovery-australia-report-and-data-workbooks

v.au/resource/waste-generation-and-resource-recovery-australia-report-and-data-workbooks

v.au/resource/waste-generation-and-resource-recovery-australia-report-and-data-workbooks

Environment, available from: http://www.environment.gov.au/resource/waste-generation-and-resource-rec

overy-australia-report-and-data-workbooks

Adjusted jurisdictional data

This worksheet compiles the NEPM and Basel data d

Nationa "15" code	Environment Prot NEPM 15 waste description	ection (N "75" code
Adjusted	ACT data	
А	Plating and heat	A100
	treatment	A110
		A130
В	Acids	B100
С	Alkalis	C100
D	Inorganic chemicals	D100
		D110
		D120
		D130
		D140
		D150
		D160
		D170
		D180
		D190
		D200
		D210
		D220
		D230
		D240
		D250
		D270
		D290
		D300
		D310
		D330
		D340
		D350
		D360
E	Reactive chemicals	E100
F	Paints, resins, inks,	F100
	organic sludges	F110
G	Organic solvents	G100
		G110
		G150
		G160
Н	Pesticides	H100
		H110
		H170
J	Oils	J100
		J120
		J160
K	Putrescible/ organic	K100
	waste	K110
		K140
		K190
М	Organic chemicals	M100

	_	
		M150
		M160
		M170
		M180
		M210
		M220
		M230
		M250
		M260
N	Soil/ sludge	N100
		N120
		N140
		N150
		N160
		N190
		N205
		N220
		N230
R	Clinical and	R100
	pharmaceutical	R120
		R140
Т	Miscellaneous	T100
		T120
		T140
		T200

Adjusted NSW data

А	Plating and heat	A100
	treatment	A110
		A130
В	Acids	B100
С	Alkalis	C100
D	Inorganic chemicals	D100
		D110
		D120
		D130
		D140
		D150
		D160
		D170
		D180
		D190
		D200
		D210
		D220
		D230
		D240
		D250
		D270
		D290
		D300
		D310
		D330
		D340
		D350

	1	2262
		D360
E	Reactive chemicals	E100
F	Paints, resins, inks,	F100
	organic sludges	F110
G	Organic solvents	G100
		G110
		G150
		G160
н	Pesticides	H100
		H110
		H170
J	Oils	J100
		J120
		J160
К	Putrescible/ organic	K100
	waste	K110
	Music	K140
		K190
М	Organic chemicals	M100
		M150
		M160
		M170
		M180
		M210
		M220
		M230
		M250
		M260
N	Soil/ sludge	N100
	_	N120
		N140
		N150
		N160
		N190
		N205
		N220
		N230
R	Clinical and	R100
	pharmaceutical	R120
		R140
T	Miscellaneous	T100
		T120
		T140
		T200
	•	<u> </u>

Adjusted NT data

А	Plating and heat	A100
	treatment	A110
		A130
В	Acids	B100
С	Alkalis	C100
D	Inorganic chemicals	D100
		D110
		D120
	1	D120

		D130
		D140
		D150
		D160
		D170
		D180
		D190
		D200
		D210
		D220
		D230
		D240
		D250
		D270
		D290
		D290
		D300
		D330
		D340
		D350
		D360
<u> </u>	Reactive chemicals	E100
F	Paints, resins, inks,	F100
	organic sludges	F110
G	Organic solvents	G100
		G110
		G150
		G160
Н	Pesticides	H100
		H110
		H170
J	Oils	J100
		J120
		J160
К	Putrescible/ organic	K100
	waste	K110
		K140
		K190
М	Organic chemicals	M100
		M150
		M150 M160
		M100
		M170 M180
		M210
		M220
		M230
		M250
N		M260
14	Soil/ sludge	N100
14	Soil/ sludge	N100 N120
. 4	Soil/ sludge	N100 N120 N140
. 4	Soil/ sludge	N100 N120 N140 N150
. 4	Soil/ sludge	N100 N120 N140
. 4	Soil/ sludge	N100 N120 N140 N150
. 4	Soil/ sludge	N100 N120 N140 N150 N160
	Soil/ sludge	N100 N120 N140 N150 N160 N190

R	Clinical and	R100
	pharmaceutical	R120
		R140
Т	Miscellaneous	T100
		T120
		T140
		T200

Adjusted Qld data

А	Plating and heat	A100
	treatment	A110
		A130
В	Acids	B100
С	Alkalis	C100
D	Inorganic chemicals	D100
		D110
		D120
		D130
		D140
		D150
		D160
		D170
		D180
		D190
		D200
		D210
		D220
		D230
		D240
		D250
		D270
		D290
		D300
		D310
		D330
		D340
		D350
		D360
E	Reactive chemicals	E100
F	Paints, resins, inks,	F100
	organic sludges	F110
G	Organic solvents	G100
		G110
		G150
		G160
Н	Pesticides	H100
		H110
		H170
J	Oils	J100
		J120
		J160
К	Putrescible/ organic	K100
	waste	K110
		K140
		K190

М	Organic chemicals	M100
		M150
		M160
		M170
		M180
		M210
		M220
		M230
		M250
		M260
Ν	Soil/ sludge	N100
		N120
		N140
		N150
		N160
		N190
		N205
		N220
		N230
R	Clinical and	R100
	pharmaceutical	R120
		R140
Т	Miscellaneous	T100
		T120
		T140
		T200

Adjusted SA data

А	Plating and heat	A100
	treatment	A110
		A130
В	Acids	B100
С	Alkalis	C100
D	Inorganic chemicals	D100
		D110
		D120
		D130
		D140
		D150
		D160
		D170
		D180
		D190
		D200
		D210
		D220
		D230
		D240
		D250
		D270
		D290
		D300
		D310
		D330
	1	2000

1	1	D240
		D340
		D350
		D360
E	Reactive chemicals	E100
F	Paints, resins, inks,	F100
	organic sludges	F110
G	Organic solvents	G100
		G110
		G150
		G160
Н	Pesticides	H100
		H110
		H170
J	Oils	J100
3		J100 J120
		J120
K	Dutroscible / organia	
К	Putrescible/ organic	K100
	waste	K110
		K140
		K190
М	Organic chemicals	M100
		M150
		M160
		M170
		M180
		M210
		M220
		M230
		M250
		M260
N	Soil/ sludge	N100
Í N	Juny shuge	N100 N120
		N140
		N150
		N160
		N190
		N205
		N220
		N230
R	Clinical and	R100
	pharmaceutical	R120
		R140
т	Miscellaneous	T100
		T120
		T120
		T200
L	I	1200

Adjusted Tas data

А	Plating and heat	A100
	treatment	A110
		A130
В	Acids	B100
С	Alkalis	C100
D	Inorganic chemicals	D100

		D110
		D120
		D130
		D140
		D150
		D160
		D170
		D180
		D190
		D200
		D210
		D220
		D230
		D240
		D250
		D270
		D290
		D300
		D310
		D330
		D340
		D350
		D360
E	Reactive chemicals	E100
F	Paints, resins, inks,	F100
	organic sludges	F110
G	Organic solvents	G100
		G110
		G150
		G160
н	Pesticides	H100
		H110
		H170
J	Oils	J100
		J120
		J160
К	Putrescible/ organic	K100
	waste	K110
		K140
		K190
Μ	Organic chemicals	M100
		M150
		M160
		M170
		M180
		M210
		M220
		M230
		M250
		M260
Ν	Soil/ sludge	N100
		N120
		N140
		N150
		N160
		N190
		N205

		N220
		N230
R	Clinical and	R100
	pharmaceutical	R120
		R140
Т	Miscellaneous	T100
		T120
		T140
		T200

Adjusted Vic data

А	Plating and heat	A100
	treatment	A110
		A130
В	Acids	B100
С	Alkalis	C100
D	Inorganic chemicals	D100
		D110
		D120
		D130
		D140
		D150
		D160
		D170
		D180
		D190
		D200
		D210
		D220
		D230
		D240
		D250
		D270
		D290
		D300
		D310
		D330
		D340
		D350
		D360
E	Reactive chemicals	E100
F	Paints, resins, inks,	F100
	organic sludges	F110
G	Organic solvents	G100
		G110
		G150
	Destisides	G160 H100
Н	Pesticides	
		H110
J	Oils	H170 J100
J	Ulis	J100 J120
		J120 J160
К	Putrescible/organic	K100
N	Putrescible/ organic	K100
	waste	K110 K140
I	I	K14U

		K190
М	Organic chemicals	M100
		M150
		M160
		M170
		M180
		M210
		M220
		M230
		M250
		M260
N	Soil/ sludge	N100
		N120
		N140
		N150
		N160
		N190
		N205
		N220
		N230
R	Clinical and	R100
	pharmaceutical	R120
		R140
Т	Miscellaneous	T100
		T120
		T140
		T200

Adjusted WA data

А	Plating and heat	A100
	treatment	A110
		A130
В	Acids	B100
С	Alkalis	C100
D	Inorganic chemicals	D100
		D110
		D120
		D130
		D140
		D150
		D160
		D170
		D180
		D190
		D200
		D210
		D220
		D230
		D240
		D250
		D270
		D290
		D300
		D310

1	1	
		D330
		D340
		D350
		D360
E	Reactive chemicals	E100
F	Paints, resins, inks,	F100
	organic sludges	F110
G	Organic solvents	G100
		G110
		G150
		G160
Н	Pesticides	H100
		H110
		H170
J	Oils	J100
· ·		J120
		J160
К	Putrescible/ organic	K100
N	waste	K100 K110
	waste	K110 K140
		K140 K190
М	Organic chemicals	RIJU
101		M100
		M150
		M160
		M170
		M180
		M210
		M220
		M230
		M250
		M260
Ν	Soil/ sludge	N100
	-	N120
		N140
		N150
		N160
		N190
		N205
		N220
		N230
R	Clinical and	R100
, n	pharmaceutical	R100
	pharmaceutica	R120
Т	Miscellaneous	T100
		T120
		T120
		T200
		1200

lerived from the jurisdictional reports, then inserts adjustments and fills gaps.

lovement of Controlled Waste between States and Territories) Measure

Waste description (NEPM Schedule A, List 1)

Waste resulting from surface treatment of metals and plastics
Waste from heat treatment and tempering operations containing cyanides
Cyanides (inorganic)
Acidic solutions or acids in solid form
Basic solutions or bases in solid form
Metal carbonyls
Inorganic fluorine compounds excluding calcium fluoride
Mercury; mercury compounds
Arsenic; arsenic compounds
Chromium compounds (hexavalent and trivalent)
Cadmium; cadmium compounds
Beryllium; beryllium compounds
Antimony; antimony compounds
Thallium; thallium compounds
Copper compounds
Cobalt compounds
Nickel compounds
Lead; lead compounds
Zinc compounds
Selenium; selenium compounds
Tellurium; tellurium compounds
Vanadium compounds
Barium compounds (excluding barium sulphate)
Non-toxic salts
Boron compounds
Inorganic sulfides
Perchlorates
Chlorates
Phosphorus compounds excluding mineral phosphates
Waste containing peroxides other than hydrogen peroxide
Waste from the production, formulation and use of inks, dyes, pigments, paints, lacquers and varnish
Waste from the production, formulation and use of resins, latex, plasticisers, glues and adhesives
Ethers
Organic solvents excluding halogenated solvents
Halogenated organic solvents
Waste from the production, formulation and use of organic solvents
Waste from the production, formulation and use of biocides and phytopharmaceuticals
Organic phosphorous compounds
Waste from manufacture, formulation and use of wood-preserving chemicals
Waste morn manufacture, formulation and use of wood-preserving chemicals
Waste oil/water, hydrocarbons/water mixtures or emulsions
Waste tarry residues arising from refining, distillation, and any pyrolytic treatment
Animal effluent and residues (abattoir effluent, poultry and fish processing wastes)
Grease trap waste
Tannery wastes (including leather dust, ash, sludges and flours)
Wool scouring wastes
Waste substances and articles containing or contaminated with polychlorinated biphenyls, polychlorinated napthalenes,
polychlorinated terphenyls and/or polybrominated biphenyls

Phenols, phenol compounds including chlorophenols

Organo halogen compounds—other than substances referred to in this Table or Table 2

Polychlorinated dibenzo-furan (any congener)

Polychlorinated dibenzo-p-dioxin (any congener)

Cyanides (organic) Isocyanate compounds

Triethylamine catalysts for setting foundry sands

Surface active agents (surfactants), containing principally organic constituents and which may contain metals and inorganic materials

Highly odorous organic chemicals (including mercaptans and acrylates)

Containers and drums that are contaminated with residues of substances referred to in this list

Soils contaminated with a controlled waste

Fire debris and fire wash waters

Fly ash, excluding fly ash generated from Australian coal fired power stations

Encapsulated, chemically-fixed, solidified or polymerised wastes referred to in this list

Filter cake contaminated with residues of substances referred to in this list

Residues from industrial waste treatment/disposal operations

Asbestos

Ceramic-based fibres with physico-chemical characteristics similar to those of asbestos

Clinical and related wastes

Waste pharmaceuticals, drugs and medicines

Waste from the production and preparation of pharmaceutical products

Waste chemical substances arising from research and development or teaching activities, including those which are not identified and/or are new and whose effects on human health and/or the environment are not known

Waste from the production, formulation and use of photographic chemicals and processing materials

Tyres

Waste of an explosive nature not subject to other legislation

Waste resulting from surface treatment of metals and plastics
Waste from heat treatment and tempering operations containing cyanides
Cyanides (inorganic)
Acidic solutions or acids in solid form
Basic solutions or bases in solid form
Metal carbonyls
Inorganic fluorine compounds excluding calcium fluoride
Mercury; mercury compounds
Arsenic; arsenic compounds
Chromium compounds (hexavalent and trivalent)
Cadmium; cadmium compounds
Beryllium; beryllium compounds
Antimony; antimony compounds
Thallium; thallium compounds
Copper compounds
Cobalt compounds
Nickel compounds
Lead; lead compounds
Zinc compounds
Selenium; selenium compounds
Tellurium; tellurium compounds
Vanadium compounds
Barium compounds (excluding barium sulphate)
Non-toxic salts
Boron compounds
Inorganic sulfides
Perchlorates
Chlorates

Phosphorus compounds excluding mineral phosphates
Waste containing peroxides other than hydrogen peroxide
Waste from the production, formulation and use of inks, dyes, pigments, paints, lacquers and varnish
Waste from the production, formulation and use of resins, latex, plasticisers, glues and adhesives
Ethers
Organic solvents excluding halogenated solvents
Halogenated organic solvents
Waste from the production, formulation and use of organic solvents
Waste from the production, formulation and use of biocides and phytopharmaceuticals
Organic phosphorous compounds
Waste from manufacture, formulation and use of wood-preserving chemicals
Waste mineral oils unfit for their original intended use
Waste oil/water, hydrocarbons/water mixtures or emulsions
Waste tarry residues arising from refining, distillation, and any pyrolytic treatment
Animal effluent and residues (abattoir effluent, poultry and fish processing wastes)
Grease trap waste
Tannery wastes (including leather dust, ash, sludges and flours)
Wool scouring wastes
Waste substances and articles containing or contaminated with polychlorinated biphenyls, polychlorinated napthalenes,
polychlorinated terphenyls and/or polybrominated biphenyls
Phenols, phenol compounds including chlorophenols
Organo halogen compounds—other than substances referred to in this Table or Table 2
Polychlorinated dibenzo-furan (any congener)
Polychlorinated dibenzo-p-dioxin (any congener)
Cyanides (organic)
Isocyanate compounds
Triethylamine catalysts for setting foundry sands
Surface active agents (surfactants), containing principally organic constituents and which may contain metals and
inorganic materials
Highly odorous organic chemicals (including mercaptans and acrylates)
Containers and drums that are contaminated with residues of substances referred to in this list
Soils contaminated with a controlled waste
Fire debris and fire wash waters
Fly ash, excluding fly ash generated from Australian coal fired power stations
Encapsulated, chemically-fixed, solidified or polymerised wastes referred to in this list
Filter cake contaminated with residues of substances referred to in this list
Residues from industrial waste treatment/disposal operations
Asbestos
Ceramic-based fibres with physico-chemical characteristics similar to those of asbestos
Clinical and related wastes
Waste pharmaceuticals, drugs and medicines
Waste pharmaceuticals, utigs and medicines Waste from the production and preparation of pharmaceutical products
Waste chemical substances arising from research and development or teaching activities, including those which are not
identified and/or are new and whose effects on human health and/or the environment are not known
identified and/or are new and whose effects on numair health and/or the environment are not known
Waste from the production, formulation and use of photographic chemicals and processing materials
Tyres
Waste of an explosive nature not subject to other legislation
אימטוב טר מה באטוטטויב המנגו ב הטג טעטובנו נט טנורבו הפצוטמנוטוו
Waste resulting from surface treatment of metals and plastics
Waste from heat treatment and tempering operations containing cyanides
Cyanides (inorganic)
Acidic solutions or acids in solid form

Acidic solutions or acids in solid form Basic solutions or bases in solid form

Metal carbonyls

Inorganic fluorine compounds excluding calcium fluoride Mercury; mercury compounds

Arconici arconic compoundo
Arsenic; arsenic compounds
Chromium compounds (hexavalent and trivalent)
Cadmium; cadmium compounds
Beryllium; beryllium compounds
Antimony; antimony compounds
Thallium; thallium compounds
Copper compounds
Cobalt compounds
Nickel compounds
Lead; lead compounds
Zinc compounds
Selenium; selenium compounds
Tellurium; tellurium compounds
Vanadium compounds
Barium compounds (excluding barium sulphate)
Non-toxic salts
Boron compounds
Inorganic sulfides
Perchlorates
Chlorates
Phosphorus compounds excluding mineral phosphates
Waste containing peroxides other than hydrogen peroxide
Waste from the production, formulation and use of inks, dyes, pigments, paints, lacquers and varnish
Waste from the production, formulation and use of resins, latex, plasticisers, glues and adhesives
Ethers
Organic solvents excluding halogenated solvents
Halogenated organic solvents
Waste from the production, formulation and use of organic solvents
Waste from the production, formulation and use of biocides and phytopharmaceuticals
Organic phosphorous compounds
Waste from manufacture, formulation and use of wood-preserving chemicals
Waste mineral oils unfit for their original intended use
Waste oil/water, hydrocarbons/water mixtures or emulsions
Waste tarry residues arising from refining, distillation, and any pyrolytic treatment
Animal effluent and residues (abattoir effluent, poultry and fish processing wastes)
Grease trap waste
Tannery wastes (including leather dust, ash, sludges and flours)
Wool scouring wastes
Waste substances and articles containing or contaminated with polychlorinated biphenyls, polychlorinated napthalenes,
polychlorinated terphenyls and/or polybrominated biphenyls
Phenols, phenol compounds including chlorophenols
Organo halogen compounds—other than substances referred to in this Table or Table 2
Polychlorinated dibenzo-furan (any congener)
Polychlorinated dibenzo-p-dioxin (any congener)
Cyanides (organic)
Isocyanate compounds
Triethylamine catalysts for setting foundry sands Surface active agents (surfactants), containing principally organic constituents and which may contain metals and
inorganic materials
Highly odorous organic chemicals (including mercaptans and acrylates)
Containers and drums that are contaminated with residues of substances referred to in this list
Soils contaminated with a controlled waste
Fire debris and fire wash waters
Fly ash, excluding fly ash generated from Australian coal fired power stations
Encapsulated, chemically-fixed, solidified or polymerised wastes referred to in this list
Filter cake contaminated with residues of substances referred to in this list
Residues from industrial waste treatment/disposal operations
Asbestos
Ceramic-based fibres with physico-chemical characteristics similar to those of asbestos

Clinical and related wastes

Waste pharmaceuticals, drugs and medicines

Waste from the production and preparation of pharmaceutical products

Waste chemical substances arising from research and development or teaching activities, including those which are not identified and/or are new and whose effects on human health and/or the environment are not known

Waste from the production, formulation and use of photographic chemicals and processing materials

Tyres

Waste of an explosive nature not subject to other legislation

Waste resulting from surface treatment of metals and plastics

Waste from heat treatment and tempering operations containing cyanides

Cyanides (inorganic) Acidic solutions or acids in solid form

Basic solutions or bases in solid form

Metal carbonyls

Inorganic fluorine compounds excluding calcium fluoride

Mercury; mercury compounds

Arsenic; arsenic compounds Chromium compounds (hexavalent and trivalent)

Cadmium; cadmium compounds

Beryllium; beryllium compounds

Antimony; antimony compounds

Thallium; thallium compounds Copper compounds

Cobalt compounds

Nickel compounds

Lead; lead compounds

Zinc compounds

Selenium; selenium compounds Tellurium; tellurium compounds

Vanadium compounds

Barium compounds (excluding barium sulphate)

Non-toxic salts

Boron compounds Inorganic sulfides

Perchlorates

Chlorates

Phosphorus compounds excluding mineral phosphates

Waste containing peroxides other than hydrogen peroxide

Waste from the production, formulation and use of inks, dyes, pigments, paints, lacquers and varnish Waste from the production, formulation and use of resins, latex, plasticisers, glues and adhesives

Ethers

Organic solvents excluding halogenated solvents

Halogenated organic solvents

Waste from the production, formulation and use of organic solvents

Waste from the production, formulation and use of biocides and phytopharmaceuticals

Organic phosphorous compounds

Waste from manufacture, formulation and use of wood-preserving chemicals

Waste mineral oils unfit for their original intended use

Waste oil/water, hydrocarbons/water mixtures or emulsions

Waste tarry residues arising from refining, distillation, and any pyrolytic treatment

Animal effluent and residues (abattoir effluent, poultry and fish processing wastes)

Grease trap waste

Tannery wastes (including leather dust, ash, sludges and flours)

Wool scouring wastes

Waste substances and articles containing or contaminated with polychlorinated biphenyls, polychlorinated napthalenes, polychlorinated terphenyls and/or polybrominated biphenyls

Phenols, phenol compounds including chlorophenols

Organo halogen compounds—other than substances referred to in this Table or Table 2

Polychlorinated dibenzo-furan (any congener)

Polychlorinated dibenzo-p-dioxin (any congener)

Cyanides (organic)

Isocyanate compounds

Triethylamine catalysts for setting foundry sands

Surface active agents (surfactants), containing principally organic constituents and which may contain metals and inorganic materials

Highly odorous organic chemicals (including mercaptans and acrylates)

Containers and drums that are contaminated with residues of substances referred to in this list

Soils contaminated with a controlled waste

Fire debris and fire wash waters

Fly ash, excluding fly ash generated from Australian coal fired power stations

Encapsulated, chemically-fixed, solidified or polymerised wastes referred to in this list

Filter cake contaminated with residues of substances referred to in this list

Residues from industrial waste treatment/disposal operations

Asbestos

Ceramic-based fibres with physico-chemical characteristics similar to those of asbestos

Clinical and related wastes

Waste pharmaceuticals, drugs and medicines

Waste from the production and preparation of pharmaceutical products

Waste chemical substances arising from research and development or teaching activities, including those which are not identified and/or are new and whose effects on human health and/or the environment are not known

Waste from the production, formulation and use of photographic chemicals and processing materials

Tyres

Waste of an explosive nature not subject to other legislation

Waste resulting from surface treatment of metals and plastics Waste from heat treatment and tempering operations containing cyanides Cyanides (inorganic) Acidic solutions or acids in solid form Basic solutions or bases in solid form Metal carbonyls Inorganic fluorine compounds excluding calcium fluoride Mercury; mercury compounds Arsenic; arsenic compounds Chromium compounds (hexavalent and trivalent) Cadmium; cadmium compounds Beryllium; beryllium compounds Antimony; antimony compounds Thallium; thallium compounds Copper compounds Cobalt compounds Nickel compounds Lead; lead compounds Zinc compounds Selenium; selenium compounds Tellurium; tellurium compounds Vanadium compounds Barium compounds (excluding barium sulphate) Non-toxic salts Boron compounds Inorganic sulfides

Perchlorates
Chlorates
Phosphorus compounds excluding mineral phosphates
Waste containing peroxides other than hydrogen peroxide
Waste from the production, formulation and use of inks, dyes, pigments, paints, lacquers and varnish
Waste from the production, formulation and use of resins, latex, plasticisers, glues and adhesives
Ethers
Organic solvents excluding halogenated solvents
Halogenated organic solvents
Waste from the production, formulation and use of organic solvents
Waste from the production, formulation and use of biocides and phytopharmaceuticals
Organic phosphorous compounds
Waste from manufacture, formulation and use of wood-preserving chemicals
Waste mineral oils unfit for their original intended use
Waste oil/water, hydrocarbons/water mixtures or emulsions
Waste tarry residues arising from refining, distillation, and any pyrolytic treatment
Animal effluent and residues (abattoir effluent, poultry and fish processing wastes)
Grease trap waste
Tannery wastes (including leather dust, ash, sludges and flours)
Wool scouring wastes
Waste substances and articles containing or contaminated with polychlorinated biphenyls, polychlorinated napthalenes,
polychlorinated terphenyls and/or polybrominated biphenyls
Phenols, phenol compounds including chlorophenols
Organo halogen compounds—other than substances referred to in this Table or Table 2
Polychlorinated dibenzo-furan (any congener)
Polychlorinated dibenzo-p-dioxin (any congener)
Cyanides (organic)
Isocyanate compounds
Triethylamine catalysts for setting foundry sands
Surface active agents (surfactants), containing principally organic constituents and which may contain metals and
inorganic materials
Highly odorous organic chemicals (including mercaptans and acrylates)
Containers and drums that are contaminated with residues of substances referred to in this list
Soils contaminated with a controlled waste
Fire debris and fire wash waters
Fly ash, excluding fly ash generated from Australian coal fired power stations
Encapsulated, chemically-fixed, solidified or polymerised wastes referred to in this list
Filter cake contaminated with residues of substances referred to in this list
Residues from industrial waste treatment/disposal operations
Asbestos
Ceramic-based fibres with physico-chemical characteristics similar to those of asbestos
Clinical and related wastes
Waste pharmaceuticals, drugs and medicines
Waste from the production and preparation of pharmaceutical products
Waste chemical substances arising from research and development or teaching activities, including those which are not
identified and/or are new and whose effects on human health and/or the environment are not known
Waste from the production, formulation and use of photographic chemicals and processing materials
Tyres Waste of an eveloping nature not subject to other logiclation
Waste of an explosive nature not subject to other legislation

Waste resulting from surface treatment of metals and plastics Waste from heat treatment and tempering operations containing cyanides

Cyanides (inorganic)

Acidic solutions or acids in solid form

Basic solutions or bases in solid form

Metal carbonyls

Inorganic fluorine compounds excluding calcium fluoride
Mercury; mercury compounds
Arsenic; arsenic compounds
Chromium compounds (hexavalent and trivalent)
Cadmium; cadmium compounds
Beryllium; beryllium compounds
Antimony; antimony compounds
Thallium; thallium compounds
Copper compounds
Cobalt compounds
Nickel compounds
Lead; lead compounds
Zinc compounds
Selenium; selenium compounds
Tellurium; tellurium compounds
Vanadium compounds
Barium compounds (excluding barium sulphate)
Non-toxic salts
Boron compounds
Inorganic sulfides
Perchlorates
Chlorates
Phosphorus compounds excluding mineral phosphates
Waste containing peroxides other than hydrogen peroxide
Waste from the production, formulation and use of inks, dyes, pigments, paints, lacquers and varnish
Waste from the production, formulation and use of resins, latex, plasticisers, glues and adhesives
Ethers
Organic solvents excluding halogenated solvents
Halogenated organic solvents
Waste from the production, formulation and use of organic solvents
Waste from the production, formulation and use of biocides and phytopharmaceuticals
Organic phosphorous compounds
Waste from manufacture, formulation and use of wood-preserving chemicals
Waste mineral oils unfit for their original intended use
Waste oil/water, hydrocarbons/water mixtures or emulsions
Waste tarry residues arising from refining, distillation, and any pyrolytic treatment
Animal effluent and residues (abattoir effluent, poultry and fish processing wastes)
Grease trap waste
Tannery wastes (including leather dust, ash, sludges and flours)
Wool scouring wastes
Waste substances and articles containing or contaminated with polychlorinated biphenyls, polychlorinated napthalenes,
polychlorinated terphenyls and/or polybrominated biphenyls
Phenols, phenol compounds including chlorophenols
Organo halogen compounds—other than substances referred to in this Table or Table 2
Polychlorinated dibenzo-furan (any congener)
Polychlorinated dibenzo-p-dioxin (any congener)
Cyanides (organic)
Isocyanate compounds
Triethylamine catalysts for setting foundry sands
Surface active agents (surfactants), containing principally organic constituents and which may contain metals and
inorganic materials
Highly odorous organic chemicals (including mercaptans and acrylates)
Containers and drums that are contaminated with residues of substances referred to in this list
Soils contaminated with a controlled waste
Fire debris and fire wash waters
Fly ash, excluding fly ash generated from Australian coal fired power stations
Encapsulated, chemically-fixed, solidified or polymerised wastes referred to in this list
Filter cake contaminated with residues of substances referred to in this list
Residues from industrial waste treatment/disposal operations

Asbestos

Ceramic-based fibres with physico-chemical characteristics similar to those of asbestos

Clinical and related wastes

Waste pharmaceuticals, drugs and medicines

Waste from the production and preparation of pharmaceutical products

Waste chemical substances arising from research and development or teaching activities, including those which are not identified and/or are new and whose effects on human health and/or the environment are not known

Waste from the production, formulation and use of photographic chemicals and processing materials

Tyres

Waste of an explosive nature not subject to other legislation

Waste resulting from surface treatment of metals and plastics
Waste from heat treatment and tempering operations containing cyanides
Cyanides (inorganic)
Acidic solutions or acids in solid form
Basic solutions or bases in solid form
Metal carbonyls
Inorganic fluorine compounds excluding calcium fluoride
Mercury; mercury compounds
Arsenic; arsenic compounds
Chromium compounds (hexavalent and trivalent)
Cadmium; cadmium compounds
Beryllium; beryllium compounds
Antimony; antimony compounds
Thallium; thallium compounds
Copper compounds
Cobalt compounds
Nickel compounds
Lead; lead compounds
Zinc compounds
Selenium; selenium compounds
Tellurium; tellurium compounds
Vanadium compounds
Barium compounds (excluding barium sulphate)
Non-toxic salts
Boron compounds
Inorganic sulfides
Perchlorates
Chlorates
Phosphorus compounds excluding mineral phosphates
Waste containing peroxides other than hydrogen peroxide
Waste from the production, formulation and use of inks, dyes, pigments, paints, lacquers and varnish
Waste from the production, formulation and use of resins, latex, plasticisers, glues and adhesives
Ethers
Organic solvents excluding halogenated solvents
Halogenated organic solvents
Waste from the production, formulation and use of organic solvents
Waste from the production, formulation and use of biocides and phytopharmaceuticals
Organic phosphorous compounds
Waste from manufacture, formulation and use of wood-preserving chemicals
Waste mineral oils unfit for their original intended use
Waste oil/water, hydrocarbons/water mixtures or emulsions
Waste tarry residues arising from refining, distillation, and any pyrolytic treatment
Animal effluent and residues (abattoir effluent, poultry and fish processing wastes)
Grease trap waste
Tannery wastes (including leather dust, ash, sludges and flours)

Nool scouring wastes	
Naste substances and articles containing or contaminated with polychlorinated biphenyls, polychlorinated naptha	lenes,
oolychlorinated terphenyls and/or polybrominated biphenyls	
Phenols, phenol compounds including chlorophenols	
Drgano halogen compounds—other than substances referred to in this Table or Table 2	
Polychlorinated dibenzo-furan (any congener)	
Polychlorinated dibenzo-p-dioxin (any congener)	
Cyanides (organic)	
socyanate compounds	
riethylamine catalysts for setting foundry sands	
Surface active agents (surfactants), containing principally organic constituents and which may contain metals and	
norganic materials	
lighly odorous organic chemicals (including mercaptans and acrylates)	
Containers and drums that are contaminated with residues of substances referred to in this list	
ioils contaminated with a controlled waste	
ire debris and fire wash waters	
ily ash, excluding fly ash generated from Australian coal fired power stations	
ncapsulated, chemically-fixed, solidified or polymerised wastes referred to in this list	
ilter cake contaminated with residues of substances referred to in this list	
Residues from industrial waste treatment/disposal operations	
Asbestos	
Ceramic-based fibres with physico-chemical characteristics similar to those of asbestos	
Clinical and related wastes	
Vaste pharmaceuticals, drugs and medicines	
Vaste from the production and preparation of pharmaceutical products	
Naste chemical substances arising from research and development or teaching activities, including those which ar	e not
dentified and/or are new and whose effects on human health and/or the environment are not known	
Vaste from the production, formulation and use of photographic chemicals and processing materials	
-yres	
Vaste of an explosive nature not subject to other legislation	

Waste resulting from surface treatment of metals and plastics

Waste from heat treatment and tempering operations containing cyanides

Cyanides (inorganic)

Acidic solutions or acids in solid form Basic solutions or bases in solid form

Metal carbonyls

Inorganic fluorine compounds excluding calcium fluoride

Mercury; mercury compounds

Arsenic; arsenic compounds

Chromium compounds (hexavalent and trivalent)

Cadmium; cadmium compounds Beryllium; beryllium compounds

Antimony; antimony compounds

Thallium; thallium compounds

Copper compounds

Cobalt compounds Nickel compounds

Lead; lead compounds

Zinc compounds

Selenium; selenium compounds

Tellurium; tellurium compounds

Vanadium compounds Barium compounds (excluding barium sulphate)

Non-toxic salts

Boron compounds

Inorganic sulfides	
Perchlorates	
Chlorates	
Phosphorus compounds excluding mineral phosphates	
Waste containing peroxides other than hydrogen peroxide	
Waste from the production, formulation and use of inks, dyes, pigments, paints, lacquers and varnish	
Waste from the production, formulation and use of resins, latex, plasticisers, glues and adhesives	
Ethers	
Organic solvents excluding halogenated solvents	
Halogenated organic solvents	
Waste from the production, formulation and use of organic solvents	
Waste from the production, formulation and use of biocides and phytopharmaceuticals	
Organic phosphorous compounds	
Waste from manufacture, formulation and use of wood-preserving chemicals	
Waste mineral oils unfit for their original intended use	
Waste oil/water, hydrocarbons/water mixtures or emulsions	
Waste tarry residues arising from refining, distillation, and any pyrolytic treatment	
Animal effluent and residues (abattoir effluent, poultry and fish processing wastes)	
Grease trap waste	
Tannery wastes (including leather dust, ash, sludges and flours)	
Wool scouring wastes	
Waste substances and articles containing or contaminated with polychlorinated biphenyls, polychlorinated napthale	enes,
polychlorinated terphenyls and/or polybrominated biphenyls	,
Phenols, phenol compounds including chlorophenols	
Organo halogen compounds—other than substances referred to in this Table or Table 2	
Polychlorinated dibenzo-furan (any congener)	
Polychlorinated dibenzo-p-dioxin (any congener)	
Cyanides (organic)	
Isocyanate compounds	
Triethylamine catalysts for setting foundry sands	
Surface active agents (surfactants), containing principally organic constituents and which may contain metals and	
inorganic materials	
Highly odorous organic chemicals (including mercaptans and acrylates)	
Containers and drums that are contaminated with residues of substances referred to in this list	
Soils contaminated with a controlled waste	
Fire debris and fire wash waters	
Fly ash, excluding fly ash generated from Australian coal fired power stations	
Encapsulated, chemically-fixed, solidified or polymerised wastes referred to in this list	
Filter cake contaminated with residues of substances referred to in this list	
Residues from industrial waste treatment/disposal operations	
Asbestos	
Ceramic-based fibres with physico-chemical characteristics similar to those of asbestos	
Clinical and related wastes	
Waste pharmaceuticals, drugs and medicines	
Waste from the production and preparation of pharmaceutical products	
Waste chemical substances arising from research and development or teaching activities, including those which are	not
identified and/or are new and whose effects on human health and/or the environment are not known	
Waste from the production, formulation and use of photographic chemicals and processing materials	
Tyres	
Waste of an explosive nature not subject to other legislation	

Waste of an explosive nature not subject to other legislation

Кеу				
	Consultant adju		Details given	in comment k
	Data not collect		r	
Tor	nnes genera	ited		Basel Cor
Jul-Dec 2011	Jan-Jun 2012	Jul-Dec 2012		Code
				Adjusted A
				Aujusteu A
0	0	0		Y1
0	0	0		Y2
0	0	0		Y3
0	3	0		Y4
11	3	1		Y5
0	0	0		Y6
0	0 13	0		Y7 Y8
0	0	0		Y9
0	0	0		Y10
0	0	0		Y11
0	0	0		Y12
0	0	0		Y13
0	0	0		Y14
0	0	0		Y15
0	0	0		Y16
0 47	0 158	0 132		Y17 Y18
0	0	0	ACT	110
0	0	0		Y19
0	0	0	,	Y20
0	0	0		Y21
0	0	0		Y22
0	0	0		Y23
0	0	0		Y24
0	0	0		Y25
0	0	0		Y26 Y27
0	0	0		Y28
0	0	0		Y29
34	31	96		Y30
0	0	1		Y31
0	0	0		Y32
20	13	21		Y33
3	4	4		Y34
0	0	0		Y35 Y36
0	0	0	АСТ	Y30 Y37
0	0	0		Y38
493	577	686		Y39
420	1,078	899		Y40
0	0	0		Y41
0	0	0	,	Y42
2,659	2,509	3,091		Y43
0	0	0		Y44
	0			Y45
16	0	18		
L				

0	0	0		Y46
0	0	0		Y47
0	0	0		
0	0	0		1
0	0	0		2
0	0	0		3
0	0	0		4
0	0	0		5
0	0	0		6
5	4	7		7
70	198	6	ACT	8
0	0	0		
0	0	0		
0	0	0		
0	0	0		
27,578	27,578	27,578		
0	0	20		
0	0	0		
107	125	150		
0	1	0		
0	0	0	,	
30	15	23		
19	15	18		
1,613	1,613	1,613		
0	0	0		

Adjusted N

4	22	1		
C		1		Y1
6	0	0		Y2
0	5	0		Y3
9,791	7,101	7,279		Y4
3,009	2,753	2,462		Y5
0	0	0		Y6
8	5	556		Y7
894	130	100		Y8
9	33	28		Y9
7,540	419	267		Y10
6	9	3		Y11
0	0	0		Y12
0	0	0		Y13
0	0	0		Y14
5	1	8		Y15
16	18	34		Y16
29	9	0		Y17
11,018	3,750	6,490		Y18
311	248	225	NSW	
0	0	0		Y19
0	0	0		Y20
1	31	16		Y21
0	0	0		Y22
6,352	6,076	9,210		Y23
0	0	79		Y24
1	0	0		Y25
0	0	0		Y26
0	0	0		Y27

-				
0	2	20		Y28
106	99	81		Y29
5,899		6,642		
	6,452			Y30
1,120	1,716	5,711		Y31
0	0	0		Y32
1,709	1,736	1,394		Y33
117	121	104		Y34
316	490	445		Y35
195	202	174		Y36
1	11	12	NSW	Y37
16	0	14		Y38
61,926	93,411	40,343		Y39
39,721	53,338	52,971		Y40
52	159	102		Y41
33,770			,	
	33,990	34,183		Y42
83,425	83,967	84,445		Y43
				Y44
				Y45
				145
1,013	834	1,094		
1,010		1,004		
116	63	54		Y46
3	2	3		Y47
				14/
0	0	0		
0	0	0		1
0	0	0		2
87	40	41		3
0	0	0		4
C 424	F 774	4 205		5
6,434	5,771	4,295		
0	0		,	6
0	0	0		
6,594	6,637	6,675		7
6,594	6,637		NSW	7
6,594 252,250	6,637 252,250	6,675 252,250	NSW	
6,594 252,250 459	6,637 252,250 626	6,675 252,250 700	NSW	7
6,594 252,250 459 0	6,637 252,250 626 0	6,675 252,250 700 0	NSW	7
6,594 252,250 459 0 5,996	6,637 252,250 626 0 4,915	6,675 252,250 700	NSW	7
6,594 252,250 459 0 5,996	6,637 252,250 626 0 4,915	6,675 252,250 700 0 7,412	NSW	7
6,594 252,250 459 0 5,996 4,566	6,637 252,250 626 0 4,915 1,974	6,675 252,250 700 0 7,412 1,626	NSW	7
6,594 252,250 459 0 5,996 4,566 171,854	6,637 252,250 626 0 4,915 1,974 173,074	6,675 252,250 700 0 7,412 1,626 172,845	NSW	7
6,594 252,250 459 0 5,996 4,566 171,854 99,500	6,637 252,250 626 0 4,915 1,974 173,074 99,500	6,675 252,250 700 0 7,412 1,626 172,845 99,500	NSW	7
6,594 252,250 459 0 5,996 4,566 171,854 99,500 0	6,637 252,250 626 0 4,915 1,974 173,074 99,500 0	6,675 252,250 700 0 7,412 1,626 172,845 99,500 0	NSW	7
6,594 252,250 459 0 5,996 4,566 171,854 99,500	6,637 252,250 626 0 4,915 1,974 173,074 99,500	6,675 252,250 700 0 7,412 1,626 172,845 99,500 0	NSW	7
6,594 252,250 459 0 5,996 4,566 171,854 99,500 0 6,441	6,637 252,250 626 0 4,915 1,974 173,074 99,500 0 6,483	6,675 252,250 700 0 7,412 1,626 172,845 99,500 0 6,520	NSW	7
6,594 252,250 459 0 5,996 4,566 171,854 99,500 0 6,441 4,946	6,637 252,250 626 0 4,915 1,974 173,074 99,500 0 6,483 4,978	6,675 252,250 700 0 7,412 1,626 172,845 99,500 0 6,520 5,007	NSW	7
6,594 252,250 459 0 5,996 4,566 171,854 99,500 0 6,441	6,637 252,250 626 0 4,915 1,974 173,074 99,500 0 6,483	6,675 252,250 700 0 7,412 1,626 172,845 99,500 0 6,520	NSW	7
6,594 252,250 459 0 5,996 4,566 171,854 99,500 0 6,441 4,946 140	6,637 252,250 626 0 4,915 1,974 173,074 99,500 0 6,483 4,978 105	6,675 252,250 700 0 7,412 1,626 172,845 99,500 0 6,520 5,007 224	NSW	7
6,594 252,250 459 0 5,996 4,566 171,854 99,500 0 6,441 4,946	6,637 252,250 626 0 4,915 1,974 173,074 99,500 0 6,483 4,978	6,675 252,250 700 0 7,412 1,626 172,845 99,500 0 6,520 5,007	NSW	7
6,594 252,250 459 0 5,996 4,566 171,854 99,500 0 6,441 4,946 140	6,637 252,250 626 0 4,915 1,974 173,074 99,500 0 6,483 4,978 105	6,675 252,250 700 0 7,412 1,626 172,845 99,500 0 6,520 5,007 224	NSW	7
6,594 252,250 459 0 5,996 4,566 171,854 99,500 0 6,441 4,946 140 1,054	6,637 252,250 626 0 4,915 1,974 173,074 99,500 0 6,483 4,978 105 1,268	6,675 252,250 700 0 7,412 1,626 172,845 99,500 0 6,520 5,007 224 1,333	NSW	7
6,594 252,250 459 0 5,996 4,566 171,854 99,500 0 6,441 4,946 140 1,054 95	6,637 252,250 626 0 4,915 1,974 173,074 99,500 0 6,483 4,978 105 1,268 91	6,675 252,250 700 0 7,412 1,626 172,845 99,500 0 6,520 5,007 224 1,333 125	NSW	7
6,594 252,250 459 0 5,996 4,566 171,854 99,500 0 6,441 4,946 140 1,054 95 50,484	6,637 252,250 626 0 4,915 1,974 173,074 99,500 0 6,483 4,978 105 1,268	6,675 252,250 700 0 7,412 1,626 172,845 99,500 0 6,520 5,007 224 1,333	NSW	7
6,594 252,250 459 0 5,996 4,566 171,854 99,500 0 6,441 4,946 140 1,054 95	6,637 252,250 626 0 4,915 1,974 173,074 99,500 0 6,483 4,978 105 1,268 91	6,675 252,250 700 0 7,412 1,626 172,845 99,500 0 6,520 5,007 224 1,333 125	NSW	7
6,594 252,250 459 0 5,996 4,566 171,854 99,500 0 6,441 4,946 140 1,054 95 50,484	6,637 252,250 626 0 4,915 1,974 173,074 99,500 0 6,483 4,978 105 1,268 91 50,484	6,675 252,250 700 0 7,412 1,626 172,845 99,500 0 6,520 5,007 224 1,333 125 50,484	NSW	7
6,594 252,250 459 0 5,996 4,566 171,854 99,500 0 6,441 4,946 140 1,054 95 50,484	6,637 252,250 626 0 4,915 1,974 173,074 99,500 0 6,483 4,978 105 1,268 91 50,484	6,675 252,250 700 0 7,412 1,626 172,845 99,500 0 6,520 5,007 224 1,333 125 50,484	NSW	7 8
6,594 252,250 459 0 5,996 4,566 171,854 99,500 0 6,441 4,946 140 1,054 95 50,484	6,637 252,250 626 0 4,915 1,974 173,074 99,500 0 6,483 4,978 105 1,268 91 50,484	6,675 252,250 700 0 7,412 1,626 172,845 99,500 0 6,520 5,007 224 1,333 125 50,484	NSW	7 8
6,594 252,250 459 0 5,996 4,566 171,854 99,500 0 6,441 4,946 140 1,054 95 50,484	6,637 252,250 626 0 4,915 1,974 173,074 99,500 0 6,483 4,978 105 1,268 91 50,484	6,675 252,250 700 0 7,412 1,626 172,845 99,500 0 6,520 5,007 224 1,333 125 50,484	NSW	7 8
6,594 252,250 459 0 5,996 4,566 171,854 99,500 0 6,441 4,946 140 1,054 95 50,484 36	6,637 252,250 626 0 4,915 1,974 173,074 99,500 0 6,483 4,978 105 1,268 91 50,484 10	6,675 252,250 700 0 7,412 1,626 172,845 99,500 0 6,520 5,007 224 1,333 125 50,484 0	NSW	7 8 Adjusted N
6,594 252,250 459 0 5,996 4,566 171,854 99,500 0 6,441 4,946 140 1,054 95 50,484 36	6,637 252,250 626 0 4,915 1,974 173,074 99,500 0 6,483 4,978 105 1,268 91 50,484 10	6,675 252,250 700 0 7,412 1,626 172,845 99,500 0 6,520 5,007 224 1,333 125 50,484 0 0	NSW	7 8 Adjusted N Y1
6,594 252,250 459 0 5,996 4,566 171,854 99,500 0 6,441 4,946 140 1,054 95 50,484 36	6,637 252,250 626 0 4,915 1,974 173,074 99,500 0 6,483 4,978 105 1,268 91 50,484 10	6,675 252,250 700 0 7,412 1,626 172,845 99,500 0 6,520 5,007 224 1,333 125 50,484 0 0	NSW	7 8 Adjusted N Y1 Y2
6,594 252,250 459 0 5,996 4,566 171,854 99,500 0 6,441 4,946 140 1,054 95 50,484 36	6,637 252,250 626 0 4,915 1,974 173,074 99,500 0 6,483 4,978 105 1,268 91 50,484 10	6,675 252,250 700 0 7,412 1,626 172,845 99,500 0 6,520 5,007 224 1,333 125 50,484 0 0	NSW	7 8 Adjusted N Y1
6,594 252,250 459 0 5,996 4,566 171,854 99,500 0 6,441 4,946 140 1,054 95 50,484 36	6,637 252,250 626 0 4,915 1,974 173,074 99,500 0 6,483 4,978 105 1,268 91 50,484 10	6,675 252,250 700 0 7,412 1,626 172,845 99,500 0 6,520 5,007 224 1,333 125 50,484 0 0	NSW	7 8 Adjusted N Y1 Y2 Y3
6,594 252,250 459 0 5,996 4,566 171,854 99,500 0 6,441 4,946 140 1,054 95 50,484 36 50,484 36	6,637 252,250 626 0 4,915 1,974 173,074 99,500 0 6,483 4,978 105 1,268 91 50,484 10 50,484 10	6,675 252,250 700 0 7,412 1,626 172,845 99,500 0 6,520 5,007 224 1,333 125 50,484 0 0 50,484 0 0	NSW	7 8 Adjusted N Y1 Y2 Y3 Y4
6,594 252,250 459 0 5,996 4,566 171,854 99,500 0 6,441 4,946 140 1,054 95 50,484 36 50,484 36 0 0 0 0 0 0 0 0 0	6,637 252,250 626 0 4,915 1,974 173,074 99,500 0 6,483 4,978 105 1,268 91 50,484 10 50,484 10	6,675 252,250 700 0 7,412 1,626 172,845 99,500 0 6,520 5,007 224 1,333 125 50,484 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NSW	7 8 Adjusted N Y1 Y2 Y3 Y4 Y5
6,594 252,250 459 0 5,996 4,566 171,854 99,500 0 6,441 4,946 140 1,054 1,054 95 50,484 36 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6,637 252,250 626 0 4,915 1,974 173,074 99,500 0 6,483 4,978 105 1,268 91 50,484 10 50,484 10 0 0 0 0 7 7 81	6,675 252,250 700 0 7,412 1,626 172,845 99,500 0 6,520 5,007 224 1,333 125 50,484 0 0 50,484 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NSW	7 8 Adjusted N Y1 Y2 Y3 Y4 Y5 Y6
6,594 252,250 459 0 5,996 4,566 171,854 99,500 0 6,441 4,946 140 1,054 95 50,484 36 50,484 36 0 0 0 0 0 0 0 0 0	6,637 252,250 626 0 4,915 1,974 173,074 99,500 0 6,483 4,978 105 1,268 91 50,484 10 50,484 10 0 0 0 0 7 7 81 0 0	6,675 252,250 700 0 7,412 1,626 172,845 99,500 0 6,520 5,007 224 1,333 125 50,484 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NSW	7 8 Adjusted N Y1 Y2 Y3 Y4 Y5
6,594 252,250 459 0 5,996 4,566 171,854 99,500 0 6,441 4,946 140 1,054 1,054 95 50,484 36 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6,637 252,250 626 0 4,915 1,974 173,074 99,500 0 6,483 4,978 105 1,268 91 50,484 10 50,484 10 0 0 0 0 7 7 81	6,675 252,250 700 0 7,412 1,626 172,845 99,500 0 6,520 5,007 224 1,333 125 50,484 0 0 50,484 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NSW	7 8 Adjusted N Y1 Y2 Y3 Y4 Y5 Y6

Adj	usted N

Y1
Y2
Y3
Y4
Y5
Y6
Y7
Y8

0	0	0		VO
0	0	0		Y9
0	0	0		Y10
0	0	0		Y11
0	0	0		Y12
0	0	0		Y13
0	0	0		Y14
0	0	0		Y15
0	0	0		Y16
0	0	0		Y17
142	224	186		Y18
0	0	0	NT	
0	0	0		Y19
0	0	0		
				Y20
0	0	0		Y21
0	0	0		Y22
0	0	0		Y23
0	0	0		Y24
0	0	0		Y25
0	0	0		Y26
0	0	0		Y27
0	0	0		Y28
0	0	0		Y29
1	0	36		Y30
1	1	0		Y31
0	0	0		
				Y32
22	7	0		Y33
0	1	0		Y34
0	0	0		Y35
0	0	0		Y36
0	0	0	NT	V27
v	0	0		Y37
1	0	0		Y38
1	0	0		Y38
1 369	0 206	0 377		Y38 Y39
1 369 42	0 206 101	0 377 103		Y38 Y39 Y40
1 369 42 8	0 206 101 8	0 377 103 0		Y38 Y39 Y40 Y41
1 369 42 8 1,084	0 206 101 8 1,090	0 377 103 0 1,104		Y38 Y39 Y40 Y41 Y42
1 369 42 8 1,084 2,679	0 206 101 8 1,090 2,693	0 377 103 0 1,104 2,728		Y38 Y39 Y40 Y41 Y42 Y43
1 369 42 8 1,084 2,679 0	0 206 101 8 1,090 2,693 0	0 377 103 0 1,104 2,728 0		Y38 Y39 Y40 Y41 Y42 Y43 Y44
1 369 42 8 1,084 2,679	0 206 101 8 1,090 2,693	0 377 103 0 1,104 2,728		Y38 Y39 Y40 Y41 Y42 Y43
1 369 42 8 1,084 2,679 0	0 206 101 8 1,090 2,693 0	0 377 103 0 1,104 2,728 0 0		Y38 Y39 Y40 Y41 Y42 Y43 Y44
1 369 42 8 1,084 2,679 0 0 34	0 206 101 8 1,090 2,693 0 0 0 0	0 377 103 0 1,104 2,728 0 0 0 71		Y38 Y39 Y40 Y41 Y42 Y43 Y44 Y45
1 369 42 8 1,084 2,679 0 0 0 34	0 206 101 8 1,090 2,693 0 0 0 0 0	0 377 103 0 1,104 2,728 0 0 0 71 0		Y38 Y39 Y40 Y41 Y42 Y43 Y44 Y45 Y45 Y46
1 369 42 8 1,084 2,679 0 0 0 34 0 0 0	0 206 101 8 1,090 2,693 0 0 0 0 0 0 0 0	0 377 103 0 1,104 2,728 0 0 0 71 0 0 0		Y38 Y39 Y40 Y41 Y42 Y43 Y44 Y45
1 369 42 8 1,084 2,679 0 0 0 34	0 206 101 8 1,090 2,693 0 0 0 0 0	0 377 103 0 1,104 2,728 0 0 0 71 71 0 0 0 0		Y38 Y39 Y40 Y41 Y42 Y43 Y44 Y45 Y45 Y46
1 369 42 8 1,084 2,679 0 0 0 34 0 0 0	0 206 101 8 1,090 2,693 0 0 0 0 0 0 0 0	0 377 103 0 1,104 2,728 0 0 0 71 0 0 0		Y38 Y39 Y40 Y41 Y42 Y43 Y44 Y45 Y45 Y46
1 369 42 8 1,084 2,679 0 0 0 34 0 0 0 0 0 0 0 0 0	0 206 101 8 1,090 2,693 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 377 103 0 1,104 2,728 0 0 0 71 71 0 0 0 0 0 0		Y38 Y39 Y40 Y41 Y42 Y43 Y44 Y45 Y46 Y47 1
1 369 42 8 1,084 2,679 0 0 34 0 0 0 0 0 0 0 0 0 0 0 0 0	0 206 101 8 1,090 2,693 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 377 103 0 1,104 2,728 0 0 0 71 71 0 0 0 0 0 0 0 0 0 0		Y38 Y39 Y40 Y41 Y42 Y43 Y44 Y45 Y46 Y47 1 2
1 369 42 8 1,084 2,679 0 0 34 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 206 101 8 1,090 2,693 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 377 103 0 1,104 2,728 0 0 0 71 71 0 0 0 0 0 0 0 0 0 0 0 0 0		Y38 Y39 Y40 Y41 Y42 Y43 Y44 Y45 Y46 Y47 1 2 3
1 369 42 8 1,084 2,679 0 0 34 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 206 101 8 1,090 2,693 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 377 103 0 1,104 2,728 0 0 0 71 71 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Y38 Y39 Y40 Y41 Y42 Y43 Y44 Y45 Y46 Y47 1 2 3 4
1 369 42 8 1,084 2,679 0 0 34 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 206 101 8 1,090 2,693 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 377 103 0 1,104 2,728 0 0 0 71 71 0 0 0 0 0 0 0 0 0 0 0 0 0		Y38 Y39 Y40 Y41 Y42 Y43 Y44 Y45 Y46 Y47 1 2 3
1 369 42 8 1,084 2,679 0 0 34 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 206 101 8 1,090 2,693 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 377 103 0 1,104 2,728 0 0 0 71 71 0 0 0 0 0 0 0 0 0 7 7		Y38 Y39 Y40 Y41 Y42 Y43 Y44 Y45 Y46 Y47 1 2 3 4 5
1 369 42 8 1,084 2,679 0 0 34 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 206 101 8 1,090 2,693 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 377 103 0 1,104 2,728 0 0 0 71 0 0 0 0 0 0 0 0 0 0 7 1 7 0 0 0 0		Y38 Y39 Y40 Y41 Y42 Y43 Y44 Y45 Y46 Y47 1 2 3 4 5 6
1 369 42 8 1,084 2,679 0 0 34 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 206 101 8 1,090 2,693 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 377 103 0 1,104 2,728 0 0 71 0 0 0 0 0 0 0 0 0 7 1 7 1 0 0 0 0		Y38 Y39 Y40 Y41 Y42 Y43 Y44 Y45 Y46 Y47 1 2 3 4 5 6 7
1 369 42 8 1,084 2,679 0 0 34 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 206 101 8 1,090 2,693 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 377 103 0 1,104 2,728 0 0 0 71 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ΝΤ	Y38 Y39 Y40 Y41 Y42 Y43 Y44 Y45 Y46 Y47 1 2 3 4 5 6
1 369 42 8 1,084 2,679 0 0 34 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 206 101 8 1,090 2,693 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 377 103 0 1,104 2,728 0 0 0 71 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Y38 Y39 Y40 Y41 Y42 Y43 Y44 Y45 Y46 Y47 1 2 3 4 5 6 7
1 369 42 8 1,084 2,679 0 0 0 34 0 0 0 0 0 0 0 0 0 0 0 0 0	0 206 101 8 1,090 2,693 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 377 103 0 1,104 2,728 0 0 0 71 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Y38 Y39 Y40 Y41 Y42 Y43 Y44 Y45 Y46 Y47 1 2 3 4 5 6 7
1 369 42 8 1,084 2,679 0 0 34 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 206 101 8 1,090 2,693 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 377 103 0 1,104 2,728 0 0 0 71 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Y38 Y39 Y40 Y41 Y42 Y43 Y44 Y45 Y46 Y47 1 2 3 4 5 6 7
1 369 42 8 1,084 2,679 0 0 34 0 0 0 0 0 0 0 0 0 0 0 0 0	0 206 101 8 1,090 2,693 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 377 103 0 1,104 2,728 0 0 0 71 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Y38 Y39 Y40 Y41 Y42 Y43 Y44 Y45 Y46 Y47 1 2 3 4 5 6 7
1 369 42 8 1,084 2,679 0 0 34 0 0 0 0 0 0 0 0 0 0 0 0 0	0 206 101 8 1,090 2,693 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 377 103 0 1,104 2,728 0 0 71 71 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Y38 Y39 Y40 Y41 Y42 Y43 Y44 Y45 Y46 Y47 1 2 3 4 5 6 7
1 369 42 8 1,084 2,679 0 0 34 0 0 0 0 0 0 0 0 0 0 0 0 0	0 206 101 8 1,090 2,693 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 377 103 0 1,104 2,728 0 0 71 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Y38 Y39 Y40 Y41 Y42 Y43 Y44 Y45 Y46 Y47 1 2 3 4 5 6 7
1 369 42 8 1,084 2,679 0 0 34 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 206 101 8 1,090 2,693 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 377 103 0 1,104 2,728 0 0 71 71 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Y38 Y39 Y40 Y41 Y42 Y43 Y44 Y45 Y46 Y47 1 2 3 4 5 6 7

46	57	67
0	0	0
0	0	0
62	100	24
0	0	0
2,695	2,695	2,695
0	0	0

Adjusted C

2,181	2,181		Y1
0	0		Y2
270	270		Y3
6,570	6,570		Y4
83,749	83,749		Y5
48	48		Y6
123	123		Y7
208	208		Y8
414	414		Y9
578	578		Y10
9	9		Y11
0	0		Y12
0	0		Y13
0	0		Y14
296	296		Y15
			Y16
62	62		Y17
3,701	3,701		Y18
231	231	Qld	
0	0		Y19
0	0		Y20
0	0		Y21
0	0		Y22
20,402	20,402		Y23
1	1		Y24
171	171		Y25
0	0		Y26
67	67		Y27
214	214		Y28
24	24		Y29
6,692	6,692		Y30
630	630		Y31
74	74		Y32
1,060	1,060		Y33
73	73		Y34
6,248	6,248		Y35
1,000	1,000		Y36
28	28	Qld	Y37
122	122		Y38
43,762	43,762		Y39
84,700	84,700		Y40
258	258		Y41
24,837	24,837		Y42
66,917	66,917		Y43
3,075	3,075		Y44
16,400	16,400		Y45

1,028	1,028		
454	454		Y46
12	12		Y47
0	0		
0	0		1
0	0		2
24	24		3
180	180		3
966	966		5
0	0		6
			7
108,427	108,427	Qld	8
368	268		-
2,391	2,391		
7,560	7,560		
2,972	2,972		
250,748	250,748		
58,240	58,240		
11,957	11,957		
654	654		
22	22		
430	430		
185	185		
44,028	44,028		
 908	908		

Adjusted S

33	93	43		Y1
				Y2
5	6	8		Y3
864	272	263		Y4
142,273	30,022	35,554		Y5
3		28		Y6
		26		Y7
12	87	9		Y8
486	3			Y9
6	2			Y10
1	0	4		Y11
		1		Y12
				Y13
	0			Y14
73	10	18		Y15
				Y16
4	9	5		Y17
1,234	15,504	2,705		Y18
10,336	10,089	25,188	SA	
				Y19
				Y20
				Y21
				Y22
237	253	4,220		Y23
				Y24
47				Y25

0 0 4 0 3 2 1,085 852 1,435 142 129 103 5 2 3 777 839 287 57 72 51 0 7 118 47 22 39 SA 648 146 2 757 460 689 535 1,282 1,260 69 19 26	Y26 Y27 Y28 Y29 Y30 Y31 Y32 Y33 Y34 Y35 Y36 Y37
3 2 1,085 852 1,435 142 129 103 5 2 3 777 839 287 57 72 51 0 7 118 24 25 47 22 39 SA 648 146 2 757 460 689 535 1,282 1,260 1,260 1,260	Y28 Y29 Y30 Y31 Y32 Y33 Y34 Y35 Y36 Y37
1,085 852 1,435 142 129 103 5 2 3 777 839 287 57 72 51 0 7 118 24 25 47 22 39 SA 648 146 2 757 460 689 535 1,282 1,260 1,260 1,260	Y29 Y30 Y31 Y32 Y33 Y34 Y35 Y36 Y37
1,085 852 1,435 142 129 103 5 2 3 777 839 287 57 72 51 0 7 118 24 25 47 22 39 SA 648 146 2 757 460 689 535 1,282 1,260 1,260 1,260	Y30 Y31 Y32 Y33 Y34 Y35 Y36 Y37
142 129 103 5 2 3 777 839 287 57 72 51 0 7 118 24 25 47 22 39 SA 648 146 2 757 460 689 535 1,282 1,260	Y31 Y32 Y33 Y34 Y35 Y36 Y36 Y37
5 2 3 777 839 287 57 72 51 0 7 118 24 25 47 22 39 SA 648 146 2 35 757 460 689 1,260	Y32 Y33 Y34 Y35 Y36 Y37
777 839 287 57 72 51 0 7 118 24 25 47 22 39 SA 648 146 2 757 460 689 535 1,282 1,260	Y33 Y34 Y35 Y36 Y37
57 72 51 0 7 118 118 24 25 47 22 39 SA 648 146 2 757 460 689 535 1,282 1,260	Y34 Y35 Y36 Y37
0 7 118 24 25 47 22 39 SA 648 146 2 757 460 689 535 1,282 1,260	Y35 Y36 Y37
118 24 25 47 22 39 SA 648 146 2 757 460 689 535 1,282 1,260	Y36 Y37
47 22 39 SA 648 146 2 757 460 689 535 1,282 1,260	Y37
648 146 2 757 460 689 535 1,282 1,260	
757 460 689 535 1,282 1,260	1/20
535 1,282 1,260	Y38
	Y39
69 19 26	Y40
	Y41
7,664 7,706 7,740	Y42
18,933 19,037 19,122	Y43
0 0 0	Y44
0	Y45
15 3 11	
0	Y46
3 2 1	Y47
	1
	2
2	3
6 2,402	4
2 13 7	5
9 17	6
177 195 195	7
164,599 295,709 143,752 SA	8
27 4 0	
257 231 265	
45 11 65	
215 259 184	
95,973 79,240 86,845	
10,822 11,974 9,410	
11 16 10	
3,123 3,227 3,248	
192 148 178	
1 0	
200 205 192	
10 10 10	

Adjusted T

		_	
			Y1
			Y2
			Y3
20	20		Y4
1	1		Y5
			Y6

			Y7
0	0		Y8
			Y9
			Y10
2	2		Y11
۷	۲		
			Y12
			Y13
			Y14
			Y15
			Y16
			Y17
450	150		
159	159		Y18
47,623	47,623	Tas	
			Y19
			Y20
		,	Y21
			Y22
4.645	1.545		
1,645	1,645		Y23
 			Y24
			Y25
			Y26
			Y27
			Y28
0	0		Y29
			Y30
0	0		Y31
		,	Y32
			Y33
244	244		
241	241		Y34
22	22		Y35
22	22	,	
22	22	Tas	Y36
22	22	Tas	Y36 Y37
22	22	Tas	Y36 Y37 Y38
		Tas	Y36 Y37 Y38 Y39
50	50	Tas	Y36 Y37 Y38 Y39 Y40
50 140	50 140	Tas	Y36 Y37 Y38 Y39 Y40 Y41
50 140 2,389	50 140 2,389	Tas	Y36 Y37 Y38 Y39 Y40
50 140 2,389	50 140 2,389	Tas	Y36 Y37 Y38 Y39 Y40 Y41 Y42
50 140	50 140	Tas	Y36 Y37 Y38 Y39 Y40 Y41 Y42 Y43
50 140 2,389	50 140 2,389	Tas	Y36 Y37 Y38 Y39 Y40 Y41 Y42 Y43 Y44
50 140 2,389	50 140 2,389	Tas	Y36 Y37 Y38 Y39 Y40 Y41 Y42 Y43
50 140 2,389 5,903	50 140 2,389 5,903	Tas	Y36 Y37 Y38 Y39 Y40 Y41 Y42 Y43 Y44
50 140 2,389	50 140 2,389	Tas	Y36 Y37 Y38 Y39 Y40 Y41 Y42 Y43 Y44
50 140 2,389 5,903	50 140 2,389 5,903	Tas	Y36 Y37 Y38 Y39 Y40 Y41 Y42 Y43 Y43 Y44 Y45
50 140 2,389 5,903	50 140 2,389 5,903 0	Tas	Y36 Y37 Y38 Y39 Y40 Y41 Y42 Y43 Y44 Y45 Y45 Y46
50 140 2,389 5,903	50 140 2,389 5,903	Tas	Y36 Y37 Y38 Y39 Y40 Y41 Y42 Y43 Y43 Y44 Y45
50 140 2,389 5,903	50 140 2,389 5,903 0	Tas	Y36 Y37 Y38 Y39 Y40 Y41 Y42 Y43 Y44 Y45 Y45 Y46 Y47
50 140 2,389 5,903	50 140 2,389 5,903 0	Tas	Y36 Y37 Y38 Y39 Y40 Y41 Y42 Y43 Y44 Y45 Y46 Y47 1
50 140 2,389 5,903	50 140 2,389 5,903 0	Tas	Y36 Y37 Y38 Y39 Y40 Y41 Y42 Y43 Y44 Y45 Y46 Y47 1 2
50 140 2,389 5,903 0 0	50 140 2,389 5,903 0	Tas	Y36 Y37 Y38 Y39 Y40 Y41 Y42 Y43 Y44 Y45 Y46 Y47 1 2 3
50 140 2,389 5,903	50 140 2,389 5,903 0	Tas	Y36 Y37 Y38 Y39 Y40 Y41 Y42 Y43 Y44 Y45 Y46 Y47 1 2 3
50 140 2,389 5,903 0 0 0	50 140 2,389 5,903 0 0	Tas	Y36 Y37 Y38 Y39 Y40 Y41 Y42 Y43 Y44 Y45 Y46 Y47 1 2 3 4
50 140 2,389 5,903 0 0	50 140 2,389 5,903 0	Tas	Y36 Y37 Y38 Y39 Y40 Y41 Y42 Y43 Y44 Y45 Y46 Y47 1 2 3
50 140 2,389 5,903 0 0 0	50 140 2,389 5,903 0 0	Tas	Y36 Y37 Y38 Y39 Y40 Y41 Y42 Y43 Y44 Y45 Y46 Y47 1 2 3 4 5
50 140 2,389 5,903 0 0 0 0 0 4	50 140 2,389 5,903 0 0 0 0 4	Tas	Y36 Y37 Y38 Y39 Y40 Y41 Y42 Y43 Y44 Y45 Y46 Y47 1 2 3 4 5 6
50 140 2,389 5,903 0 0 0	50 140 2,389 5,903 0 0		Y36 Y37 Y38 Y39 Y40 Y41 Y42 Y43 Y44 Y45 Y46 Y47 1 2 3 4 5 6 7
50 140 2,389 5,903 0 0 0 0 0 4	50 140 2,389 5,903 0 0 0 0 4	Tas	Y36 Y37 Y38 Y39 Y40 Y41 Y42 Y43 Y44 Y45 Y46 Y47 1 2 3 4 5 6
50 140 2,389 5,903 0 0 0 0 0 4	50 140 2,389 5,903 0 0 0 0 4		Y36 Y37 Y38 Y39 Y40 Y41 Y42 Y43 Y44 Y45 Y46 Y47 1 2 3 4 5 6 7
50 140 2,389 5,903 0 0 0 0 0 4	50 140 2,389 5,903 0 0 0 0 4		Y36 Y37 Y38 Y39 Y40 Y41 Y42 Y43 Y44 Y45 Y46 Y47 1 2 3 4 5 6 7
50 140 2,389 5,903 0 0 0 0 0 4	50 140 2,389 5,903 0 0 0 0 4		Y36 Y37 Y38 Y39 Y40 Y41 Y42 Y43 Y44 Y45 Y46 Y47 1 2 3 4 5 6 7
50 140 2,389 5,903 0 0 0 0 0 4	50 140 2,389 5,903 0 0 0 0 4		Y36 Y37 Y38 Y39 Y40 Y41 Y42 Y43 Y44 Y45 Y46 Y47 1 2 3 4 5 6 7
50 140 2,389 5,903 0 0 0 0 0 0 0 4 0 7 7	50 140 2,389 5,903 0 0 0 0 4 7 7		Y36 Y37 Y38 Y39 Y40 Y41 Y42 Y43 Y44 Y45 Y46 Y47 1 2 3 4 5 6 7
50 140 2,389 5,903 0 0 0 0 0 4	50 140 2,389 5,903 0 0 0 0 4		Y36 Y37 Y38 Y39 Y40 Y41 Y42 Y43 Y44 Y45 Y46 Y47 1 2 3 4 5 6 7

5,277	5,277
3	3
13	13
6	6
3	3
4,971	4,971

Adjusted V

				Y1
				Y2
8	7	21		Y3
6,261	7,341	6,214		Y4
3,786	4,449	4,146		Y5
5	3	6		Y6
3	0	3		¥7
20	10	8		Y8
1	19	49		Y9
132	175	96		Y10
1	9	1		Y11
10	0	0	,	Y12
8	0	9	,	Y13
0	0	6		Y14
46	70	141	,	Y15
0	0	0		Y16
98	104	163		Y17
1,647	1,155	1,042		Y18
5,561	5,875	6,703	Vic	
0	0	0,703		Y19
Ű	0	0		Y20
				Y21
7	1	5		Y22
3,782	1,738	1,836		Y23
6	2	3		Y24
21	1	0		Y25
0	5	0		Y26
0	5	0		Y27
0	0	0		Y28
4	13	16		Y29
9,974	10,293			Y30
9,974 1,865	1,259	<u>10,355</u> 1,183		Y31
1,805	474	821		Y32
	2,423			Y32 Y33
2,824		2,276		Y34
107 537	76 438	101 610		Y35
		010		
434 5	196 5	271	Vic	Y36
		10	VIC	Y37
0 780	0 402	0 710		Y38
9,789	9,493	9,710		Y39
43,338	39,650	39,619		Y40
190	237	448		Y41
32,892	26,126	29,882		Y42
47,962	48,062	51,113		Y43
264	238	320		Y44

Adjusted V

1,140	784	646		Y1
				Y2
3	11	36		Y3
1,852	1,063	1,995		Y4
48,739	47,545	40,810		Y5
1	7	0		Y6
0	0	21		Y7
7	8	55		Y8
49	0	17		Y9
34	37	22		Y10
3	2	12		Y11
1	0	8		Y12
24	0	18		Y13
0	1	0		Y14
8	149	282		Y15
2	0	1		Y16
11	6	24		Y17
521	336	58		Y18
156	280	146	WA	
11	0	0		Y19
0	0	0		Y20
236	0	0		Y21
0	0	0		Y22
5,030	2,833	3,913		Y23
0	0	4		Y24

0 10 8 48 10 8 48 7 30 35 1 0 0 979 988 1,000 222 174 271 14 62 15 2,456 2,068 3,603 11 9 22 74 271 730 33 11 9 23 730 0 0 0 0 0 0 0 0 98 8 17 735 48,802 53,329 29,930 26,625 24,681 55 46 20 5.663 7,146 8,549 74,55 48,802 53,326 743 1186 28 119 185 94 119 185 94 740 1 3 119 185 94 111 0 0 11					
10 8 48 7 30 35 1 0 728 979 988 1,000 222 174 271 14 62 15 2,456 2,068 3,603 11 9 2 311 9 2 730 33 711 98 8 17 98 8 17 9930 26,625 24,681 55 48,802 53,329 29,930 26,625 24,681 55 46 20 5863 7,146 8,549 37,495 33,532 35,326 941 186 28 11 186 28 11 18 20 111 112 144 942 12 6 1,812 1,404 1,855 1,749 4,688 1,75 92 152 13 11 10	0	10	8		Y25
7 30 35 1 0 0 979 988 1,000 222 174 271 14 62 15 2,456 2,068 3,603 11 9 9 20 0 0 0 0 0 98 171 98 173 9930 26,625 24,681 74,554 48,802 53,329 98 7,146 8,549 37,495 33,532 35,326 944 444 943 119 185 944 941 10 0 119 185 944 941 33,11 33 119 185 944 941 10 0 111 0 0 111 112 0 6 1,812 1,404 1,855 7 1,749 4,688 1,755 1,749 4,688	10	8		I	
V29 979 988 1,002 222 174 271 14 62 15 2,456 2,068 3,603 11 9 22 733 733 11 9 23 0 0 0 98 8 17 736 736 993 26,625 24,681 747,554 48,802 53,329 29,930 26,625 24,681 747,554 48,802 53,329 749 33,532 744 742 743 743 744 745 33,532 749 3,3532 744 745 119 185 119 185 110 0 11 0 11 12 11 3 117 113 112 0	7	30	35	I	
Image: matrix independence indepen	1	0	0	,	
979 988 1,002 222 174 271 14 62 15 2,456 2,068 3,603 11 9 2 3 9 2 3 11 9 2 3 11 9 2 3 11 9 2 3 11 9 2 3 93 711 Y36 735 393 711 Y36 9 8 17 Y38 47,554 48,802 53,329 Y43 737,95 33,532 5,326 Y43 745 33,532 35,326 Y43 101 186 28 Y44 745 133 186 28 110 185 94 1 11 0 0 6 12 0 6 6 1,749 4,688 1,755 1,749 4,688 1,67 1,749 <td></td> <td></td> <td></td> <td></td> <td></td>					
222 174 271 14 62 15 2,456 2,068 3,603 11 9 2 565 393 711 0 0 0 98 8 17 47,554 48,802 53,329 29,930 26,625 24,681 755 46 20 747,554 48,802 35,329 29,930 26,625 24,681 74 8,549 740 747,95 33,532 35,326 744 8,549 743 740 448 742 743 116 741 744 745 743 744 745 743 744 745 743 744 746 744 744 746 747 746 747 747 747 132 3 741 132 7 741 148 10 744	979	988	1,002		
2,456 2,068 3,603 11 9 2 565 393 711 0 0 0 98 8 17 47,554 48,802 53,329 29,930 26,625 24,681 55 46 20 5,863 7,146 8,549 37,495 33,532 35,326 744 8 28 11 186 28 747 118 28 119 185 94 119 185 94 111 0 0 111 110 2 111 117 119 111 117 119 111 117 119 111 110 6 11,749 4,688 1,755 11,749 4,688 1,875 11,749 4,688 1,875 11,749 4,681 1,875 12 0 66 13,828 <td>222</td> <td>174</td> <td>271</td> <td></td> <td>Y31</td>	222	174	271		Y31
11 9 2 11 9 2 11 0 0 Y36 10 0 0 Y36 11 17 17 Y38 11 17 Y38 Y39 11 17 Y39 Y39 11 17 Y39 Y40 11 16 20 Y41 11 17 13 Y40 11 186 28 Y43 11 185 94 Y44 11 185 94 Y47 11 185 94 Y47 11 0 0 1 11 113 111 111 11 0 0 1 11 0 0 6 11 113 111 111 11 110 1 3 11 110 16 1 11 110 1 3 117 1113 111<		62	15		Y32
VA Y35 565 393 711 0 0 0 Y36 98 8 17 47,554 48,802 53,329 29,930 26,625 24,681 55 46 20 5,863 7,146 8,549 37,495 33,532 35,326 744 440 1 0 4 1 186 28 0 43 31 119 185 94 4 1 2 1 0 0 1 0 0 1 131 148 1 0 6 1,749 4,688 1,755 1,749 4,688 1,755 1,749 4,688 1,755 1,749 4,688 1,755 1,749 4,688 1,755 1,749 5,6,338	2,456	2,068	3,603		Y33
565 393 711 Y36 0 0 0 WA Y37 98 8 17 Y38 47,554 48,802 53,329 Y39 29,930 26,625 24,681 Y40 55 46 20 Y41 55 7,146 8,549 Y42 37,495 33,532 35,326 Y43 31 186 28 Y44 0 43 31 Y46 119 185 944 Y47 119 185 944 Y47 1119 185 944 Y47 1119 185 944 Y47 111 0 0 1 111 117 119 3 111 117 119 4 111 168 105 5 111 1166 7 7 111 11676 7 7 111 11676 7 112 0	11	9	2		Y34
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Waste description (Annex 1)	Jul-Dec 2011
CT data	

Clinical wastes from medical care in hospitals, medical centres and clinics	107
Wastes from the production and preparation of pharmaceutical products	0
Waste pharmaceuticals, drugs and medicines	0
Wastes from the production of biocides and phytopharmaceuticals	0
Wastes from the manufacture of wood preserving chemicals	0
Wastes from the production, formulation and use of organic solvent	0
Wastes from heat treatment and tempering operations containing cyanides	0
Waste mineral oils unfit for their originally intended use	493
Waste oils/water, hydrocarbons/water mixtures, emulsion	420
Waste substancescontaining or contaminated with PCBs, PCTs, PBBs	16
Waste tarry residues from refining, distillation and any pyrolytic treatment	0
Wastes from production of inks, dyes, pigments, paints, etc	34
Wastes from productionresins, latex, plasticizers, glues, etc	0
Waste chemical substances arising environment are not known	30
Wastes of an explosive nature not subject to other legislation	0
Wastes from production, formulation and use of photographic chemicals	19
Wastes resulting from surface treatment of metals and plastics	0
Residues arising from industrial waste disposal operations	27,578
Wastes having as constituents	
Metal carbonyls	0
Beryllium; beryllium compounds	0
Hexavalent chromium compounds	0
Copper compounds	0
Zinc compounds	0
Arsenic; arsenic compounds	0
Selenium; selenium compounds	0
Cadmium; cadmium compounds	0
Antimony; antimony compounds	0
Tellurium; tellurium compounds	0
Mercury; mercury compounds	21
Thallium; thallium compounds	0
Lead; lead compounds	47
Inorganic fluorine compounds excluding calcium fluoride	0
Inorganic cyanides	0
Acidic solutions or acids in solid form	0
Basic solutions or bases in solid form	11
Asbestos (dust and fibres)	0
Organic phosphorus compounds	0
Organic cyanides	0
Phenols; phenol compounds including chlorophenols	0
Ethers	0
Halogenated organic solvents	3
Organic solvents excluding halogenated solvents	20
Any congenor of polychlorinated dibenzo-furan	0
Any congenor of polychlorinated dibenzo-p-dioxin	0
Organohalogen compounds other than(e.g. Y39, Y41, Y42, Y43, Y44)	0

Categories of wastes requiring special consideration (Annex II)

Wastes collected from households	107,014
Residues arising from the incineration of household wastes	0
Additional waste categories not included in Y-Codes	
Other metal compounds	0
Other inorganic chemicals	0
Other organic chemicals	0
Putrescible/ organic waste	2,659
Waste packages and containers containing Annex 1 substances in concentrations sufficient to exhibit Annex III hazard characteristics	5
Soils contaminated with residues of substances in Basel Y-codes 19-45	70
Sludges contaminated with residues of substances in Basel Y-codes 19-45	0
Tyres	1,613

ISW data

Clinical wastes from medical care in hospitals, medical centres and clinics	6,441
Wastes from the production and preparation of pharmaceutical products	140
Waste pharmaceuticals, drugs and medicines	4,946
Wastes from the production of biocides and phytopharmaceuticals	195
Wastes from the manufacture of wood preserving chemicals	16
Wastes from the production, formulation and use of organic solvent	316
Wastes from heat treatment and tempering operations containing cyanides	6
Waste mineral oils unfit for their originally intended use	61,926
Waste oils/water, hydrocarbons/water mixtures, emulsion	39,721
Waste substancescontaining or contaminated with PCBs, PCTs, PBBs	1,013
Waste tarry residues from refining, distillation and any pyrolytic treatment	52
Wastes from production of inks, dyes, pigments, paints, etc	5,899
Wastes from productionresins, latex, plasticizers, glues, etc	1,120
Waste chemical substances arising environment are not known	1,054
Wastes of an explosive nature not subject to other legislation	142
Wastes from production, formulation and use of photographic chemicals	95
Wastes resulting from surface treatment of metals and plastics	4
Residues arising from industrial waste disposal operations	177,851
Wastes having as constituents	
Metal carbonyls	0
Beryllium; beryllium compounds	0
Hexavalent chromium compounds	7,540
Copper compounds	5
Zinc compounds	311
Arsenic; arsenic compounds	9
Selenium; selenium compounds	0
Cadmium; cadmium compounds	6
Antimony; antimony compounds	0

Tellurium; tellurium compounds	0
Mercury; mercury compounds	894
Thallium; thallium compounds	0
Lead; lead compounds	11,018
Inorganic fluorine compounds excluding calcium fluoride	8
Inorganic cyanides	0
Acidic solutions or acids in solid form	9,791
Basic solutions or bases in solid form	3,009
Asbestos (dust and fibres)	99,500
Organic phosphorus compounds	1
Organic cyanides	0
Phenols; phenol compounds including chlorophenols	116
Ethers	0
Halogenated organic solvents	117
Organic solvents excluding halogenated solvents	1,709
Any congenor of polychlorinated dibenzo-furan	0
Any congenor of polychlorinated dibenzo-p-dioxin	0
Organohalogen compounds other than(e.g. Y39, Y41, Y42, Y43, Y44)	3

Categories of wastes requiring special consideration (Annex II)

Wastes collected from households	2,097,333
Residues arising from the incineration of household wastes	0
Additional waste categories not included in Y-Codes	
Other metal compounds	46
Other inorganic chemicals	6,353
Other organic chemicals	6,521
Putrescible/ organic waste	117,195
Waste packages and containers containing Annex 1 substances in concentrations sufficient to exhibit Annex III hazard characteristics	6,594
Soils contaminated with residues of substances in Basel Y-codes 19-45	252,250
Sludges contaminated with residues of substances in Basel Y-codes 19-45	5,025
Tyres	50,484

T data	
Clinical wastes from medical care in hospitals, medical centres and clinics	46
Wastes from the production and preparation of pharmaceutical products	0
Waste pharmaceuticals, drugs and medicines	0
Wastes from the production of biocides and phytopharmaceuticals	0
Wastes from the manufacture of wood preserving chemicals	1
Wastes from the production, formulation and use of organic solvent	0
Wastes from heat treatment and tempering operations containing cyanides	0
Waste mineral oils unfit for their originally intended use	369

Waste oils/water, hydrocarbons/water mixtures, emulsion	42
Waste substancescontaining or contaminated with PCBs, PCTs, PBBs	34
Waste tarry residues from refining, distillation and any pyrolytic treatment	8
Wastes from production of inks, dyes, pigments, paints, etc	1
Wastes from productionresins, latex, plasticizers, glues, etc	1
Waste chemical substances arising environment are not known	62
Wastes of an explosive nature not subject to other legislation	0
Wastes from production, formulation and use of photographic chemicals	0
Wastes resulting from surface treatment of metals and plastics	0
Residues arising from industrial waste disposal operations	2,433
Wastes having as constituents	
Metal carbonyls	0
Beryllium; beryllium compounds	0
Hexavalent chromium compounds	0
Copper compounds	0
Zinc compounds	0
Arsenic; arsenic compounds	0
Selenium; selenium compounds	0
Cadmium; cadmium compounds	0
Antimony; antimony compounds	0
Tellurium; tellurium compounds	0
Mercury; mercury compounds	0
Thallium; thallium compounds	0
Lead; lead compounds	142
Inorganic fluorine compounds excluding calcium fluoride	0
Inorganic cyanides	0
Acidic solutions or acids in solid form	15
Basic solutions or bases in solid form	29
Asbestos (dust and fibres)	2,395
Organic phosphorus compounds	0
Organic cyanides	0
Phenols; phenol compounds including chlorophenols	0
Ethers	0
Halogenated organic solvents	0
Organic solvents excluding halogenated solvents	22
Any congenor of polychlorinated dibenzo-furan	0
Any congenor of polychlorinated dibenzo-p-dioxin	0
Organohalogen compounds other than(e.g. Y39, Y41, Y42, Y43, Y44)	0

Categories of wastes requiring special consideration (Annex II)

Wastes collected from households	67,342
Residues arising from the incineration of household wastes	0
Additional waste categories not included in Y-Codes	
Other metal compounds	0
Other inorganic chemicals	0
Other organic chemicals	0
Putrescible/ organic waste	3,763
Waste packages and containers containing Annex 1 substances in concentrations sufficient to	0
exhibit Annex III hazard characteristics	•
Soils contaminated with residues of substances in Basel Y-codes 19-45	17
Sludges contaminated with residues of substances in Basel Y-codes 19-45	17
Tyres	2,695

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Clinical wastes from medical care in hospitals, medical centres and clinics	
Wastes from the production and preparation of pharmaceutical products	
Waste pharmaceuticals, drugs and medicines	
Wastes from the production of biocides and phytopharmaceuticals	
Wastes from the manufacture of wood preserving chemicals	
Wastes from the production, formulation and use of organic solvent	
Wastes from heat treatment and tempering operations containing cyanides	
Waste mineral oils unfit for their originally intended use	
Waste oils/water, hydrocarbons/water mixtures, emulsion	
Waste substancescontaining or contaminated with PCBs, PCTs, PBBs	
Waste tarry residues from refining, distillation and any pyrolytic treatment	
Wastes from production of inks, dyes, pigments, paints, etc	
Wastes from productionresins, latex, plasticizers, glues, etc	
Waste chemical substances arising environment are not known	
Wastes of an explosive nature not subject to other legislation	
Wastes from production, formulation and use of photographic chemicals	
Wastes resulting from surface treatment of metals and plastics	
Residues arising from industrial waste disposal operations	
Wastes having as constituents	
Metal carbonyls	
Beryllium; beryllium compounds	
Hexavalent chromium compounds	
Copper compounds	
Zinc compounds	
Arsenic; arsenic compounds	
Selenium; selenium compounds	
Cadmium; cadmium compounds	
Antimony; antimony compounds	
Tellurium; tellurium compounds	
Mercury; mercury compounds	
Thallium; thallium compounds	
Lead; lead compounds	
Inorganic fluorine compounds excluding calcium fluoride	
Inorganic cyanides	
Acidic solutions or acids in solid form	
Basic solutions or bases in solid form	
Asbestos (dust and fibres)	
Organic phosphorus compounds	
Organic cyanides	
Phenols; phenol compounds including chlorophenols	
Ethers	
Halogenated organic solvents	
Organic solvents excluding halogenated solvents	
Any congenor of polychlorinated dibenzo-furan	
Any congenor of polychlorinated dibenzo-p-dioxin	
Organohalogen compounds other than(e.g. Y39, Y41, Y42, Y43, Y44)	
	J

Wastes collected from households	
Residues arising from the incineration of household wastes	
Additional waste categories not included in Y-Codes	
Other metal compounds	
Other inorganic chemicals	
Other organic chemicals	
Putrescible/ organic waste	
Waste packages and containers containing Annex 1 substances in concentrations sufficient to	
exhibit Annex III hazard characteristics	
Soils contaminated with residues of substances in Basel Y-codes 19-45	
Sludges contaminated with residues of substances in Basel Y-codes 19-45	
Tyres	

A data

Clinical wastes from medical care in hospitals, medical centres and clinics	3,123
Wastes from the production and preparation of pharmaceutical products	1
Waste pharmaceuticals, drugs and medicines	192
Wastes from the production of biocides and phytopharmaceuticals	118
Wastes from the manufacture of wood preserving chemicals	648
Wastes from the production, formulation and use of organic solvent	0
Wastes from heat treatment and tempering operations containing cyanides	
Waste mineral oils unfit for their originally intended use	757
Waste oils/water, hydrocarbons/water mixtures, emulsion	535
Waste substancescontaining or contaminated with PCBs, PCTs, PBBs	15
Waste tarry residues from refining, distillation and any pyrolytic treatment	69
Wastes from production of inks, dyes, pigments, paints, etc	1,085
Wastes from productionresins, latex, plasticizers, glues, etc	142
Waste chemical substances arising environment are not known	200
Wastes of an explosive nature not subject to other legislation	7
Wastes from production, formulation and use of photographic chemicals	10
Wastes resulting from surface treatment of metals and plastics	33
Residues arising from industrial waste disposal operations	96,286
Wastes having as constituents	
Metal carbonyls	3
Beryllium; beryllium compounds	
Hexavalent chromium compounds	6
Copper compounds	73
Zinc compounds	10,336
Arsenic; arsenic compounds	486
Selenium; selenium compounds	

Cadmium; cadmium compounds	1
Antimony; antimony compounds	
Tellurium; tellurium compounds	
Mercury; mercury compounds	12
Thallium; thallium compounds	
Lead; lead compounds	1,234
Inorganic fluorine compounds excluding calcium fluoride	, , ,
Inorganic cyanides	5
Acidic solutions or acids in solid form	864
Basic solutions or bases in solid form	142,273
Asbestos (dust and fibres)	10,822
Organic phosphorus compounds	47
Organic cyanides	
Phenols; phenol compounds including chlorophenols	
Ethers	5
Halogenated organic solvents	57
Organic solvents excluding halogenated solvents	777
Any congenor of polychlorinated dibenzo-furan	
Any congenor of polychlorinated dibenzo-p-dioxin	
Organohalogen compounds other than(e.g. Y39, Y41, Y42, Y43, Y44)	3

Categories of wastes requiring special consideration (Annex II)

Wastes collected from households	475,979
Residues arising from the incineration of household wastes	0
Additional waste categories not included in Y-Codes	
Other metal compounds	4
Other inorganic chemicals	284
Other organic chemicals	16
Putrescible/ organic waste	26,597
Waste packages and containers containing Annex 1 substances in concentrations sufficient to exhibit Annex III hazard characteristics	177
Soils contaminated with residues of substances in Basel Y-codes 19-45	164,599
Sludges contaminated with residues of substances in Basel Y-codes 19-45	242
Tyres	14,393

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Clinical wastes from medical care in hospitals, medical centres and clinics	
Wastes from the production and preparation of pharmaceutical products	
Waste pharmaceuticals, drugs and medicines	
Wastes from the production of biocides and phytopharmaceuticals	
Wastes from the manufacture of wood preserving chemicals	
Wastes from the production, formulation and use of organic solvent	

Wastes from heat treatment and tempering operations containing cyanides	
Waste mineral oils unfit for their originally intended use	
Waste oils/water, hydrocarbons/water mixtures, emulsion	
Waste substancescontaining or contaminated with PCBs, PCTs, PBBs	
Waste tarry residues from refining, distillation and any pyrolytic treatment	
Wastes from production of inks, dyes, pigments, paints, etc	
Wastes from productionresins, latex, plasticizers, glues, etc	
Waste chemical substances arising environment are not known	
Wastes of an explosive nature not subject to other legislation	
Wastes from production, formulation and use of photographic chemicals	
Wastes resulting from surface treatment of metals and plastics	
Residues arising from industrial waste disposal operations	
Wastes having as constituents	
Metal carbonyls	
Beryllium; beryllium compounds	
Hexavalent chromium compounds	
Copper compounds	
Zinc compounds	
Arsenic; arsenic compounds	
Selenium; selenium compounds	
Cadmium; cadmium compounds	
Antimony; antimony compounds	
Tellurium; tellurium compounds	
Mercury; mercury compounds	
Thallium; thallium compounds	
Lead; lead compounds	
Inorganic fluorine compounds excluding calcium fluoride	
Inorganic cyanides	
Acidic solutions or acids in solid form	
Basic solutions or bases in solid form	
Asbestos (dust and fibres)	
Organic phosphorus compounds	
Organic cyanides	
Phenols; phenol compounds including chlorophenols	
Ethers	
Halogenated organic solvents	
Organic solvents excluding halogenated solvents	
Any congenor of polychlorinated dibenzo-furan	
Any congenor of polychlorinated dibenzo-p-dioxin	
Organohalogen compounds other than(e.g. Y39, Y41, Y42, Y43, Y44)	

Categories of wastes requiring special consideration (Annex II)

Wastes collected from households	
Residues arising from the incineration of household wastes	
Additional waste categories not included in Y-Codes	
Other metal compounds	
Other inorganic chemicals	
Other organic chemicals	
Putrescible/ organic waste	
Waste packages and containers containing Annex 1 substances in concentrations sufficient to	
exhibit Annex III hazard characteristics	
Soils contaminated with residues of substances in Basel Y-codes 19-45	
Sludges contaminated with residues of substances in Basel Y-codes 19-45	
Tyres	

'ic data

Clinical wastes from medical care in hospitals, medical centres and clinics	5,119
Wastes from the production and preparation of pharmaceutical products	196
Waste pharmaceuticals, drugs and medicines	437
Wastes from the production of biocides and phytopharmaceuticals	434
Wastes from the manufacture of wood preserving chemicals	0
Wastes from the production, formulation and use of organic solvent	537
Wastes from heat treatment and tempering operations containing cyanides	0
Waste mineral oils unfit for their originally intended use	9,789
Waste oils/water, hydrocarbons/water mixtures, emulsion	43,338
Waste substances containing or contaminated with PCBs, PCTs, PBBs	139
Waste tarry residues from refining, distillation and any pyrolytic treatment	190
Wastes from production of inks, dyes, pigments, paints, etc	9,974
Wastes from productionresins, latex, plasticizers, glues, etc	1,865
Waste chemical substances arising environment are not known	479
Wastes of an explosive nature not subject to other legislation	13
Wastes from production, formulation and use of photographic chemicals	513
Wastes resulting from surface treatment of metals and plastics	0
Residues arising from industrial waste disposal operations	226,650
Wastes having as constituents	
Metal carbonyls	5
Beryllium; beryllium compounds	10
Hexavalent chromium compounds	132
Copper compounds	46
Zinc compounds	5,561
Arsenic; arsenic compounds	1
Selenium; selenium compounds	0
Cadmium; cadmium compounds	1
Antimony; antimony compounds	8
Tellurium; tellurium compounds	0
Mercury; mercury compounds	20
Thallium; thallium compounds	0
Lead; lead compounds	1,647
Inorganic fluorine compounds excluding calcium fluoride	3
Inorganic cyanides	8
Acidic solutions or acids in solid form	6,261
Basic solutions or bases in solid form	3,786
Asbestos (dust and fibres)	29,078
Organic phosphorus compounds	5
Organic cyanides	0
Phenols; phenol compounds including chlorophenols	0
Ethers	1,119
Halogenated organic solvents	107
Organic solvents excluding halogenated solvents	2,824
Any congenor of polychlorinated dibenzo-furan	0
Any congenor of polychlorinated dibenzo-p-dioxin	0

Organohalogen compounds other than(e.g. Y39, Y41, Y42, Y43, Y44)	2
Categories of wastes requiring special consideration (Annex II)	
Wastes collected from households	1,610,592
Residues arising from the incineration of household wastes	0
Additional waste categories not included in Y-Codes	
Other metal compounds	105
Other inorganic chemicals	3,809
Other organic chemicals	396
Putrescible/ organic waste	81,382
Waste packages and containers containing Annex 1 substances in concentrations sufficient to exhibit Annex III hazard characteristics	9,223
Soils contaminated with residues of substances in Basel Y-codes 19-45	199,426
Sludges contaminated with residues of substances in Basel Y-codes 19-45	3,272
Tyres	42,056

VA data

Clinical wastes from medical care in hospitals, medical centres and clinics	448
Wastes from the production and preparation of pharmaceutical products	448
Waste pharmaceuticals, drugs and medicines	448
Wastes from the production of biocides and phytopharmaceuticals	565
Wastes from the manufacture of wood preserving chemicals	98
Wastes from the production, formulation and use of organic solvent	
Wastes from heat treatment and tempering operations containing cyanides	
Waste mineral oils unfit for their originally intended use	47,554
Waste oils/water, hydrocarbons/water mixtures, emulsion	29,930
Waste substancescontaining or contaminated with PCBs, PCTs, PBBs	31
Waste tarry residues from refining, distillation and any pyrolytic treatment	55
Wastes from production of inks, dyes, pigments, paints, etc	979
Wastes from productionresins, latex, plasticizers, glues, etc	222
Waste chemical substances arising environment are not known	77
Wastes of an explosive nature not subject to other legislation	17
Wastes from production, formulation and use of photographic chemicals	3
Wastes resulting from surface treatment of metals and plastics	1,140
Residues arising from industrial waste disposal operations	57,015
Wastes having as constituents	
Metal carbonyls	1
Beryllium; beryllium compounds	1
Hexavalent chromium compounds	34
Copper compounds	8
Zinc compounds	156
Arsenic; arsenic compounds	49

Selenium; selenium compounds	11
Cadmium; cadmium compounds	3
Antimony; antimony compounds	24
Tellurium; tellurium compounds	0
Mercury; mercury compounds	7
Thallium; thallium compounds	0
Lead; lead compounds	521
Inorganic fluorine compounds excluding calcium fluoride	0
Inorganic cyanides	3
Acidic solutions or acids in solid form	1,852
Basic solutions or bases in solid form	48,739
Asbestos (dust and fibres)	24,432
Organic phosphorus compounds	0
Organic cyanides	1
Phenols; phenol compounds including chlorophenols	0
Ethers	14
Halogenated organic solvents	11
Organic solvents excluding halogenated solvents	2,456
Any congenor of polychlorinated dibenzo-furan	
Any congenor of polychlorinated dibenzo-p-dioxin	
Organohalogen compounds other than (e.g. Y39, Y41, Y42, Y43, Y44)	119

Categories of wastes requiring special consideration (Annex II)

Wastes collected from households	687,094
Residues arising from the incineration of household wastes	0
Additional waste categories not included in Y-Codes	
Other metal compounds	250
Other inorganic chemicals	5,031
Other organic chemicals	446
Putrescible/ organic waste	43,358
Waste packages and containers containing Annex 1 substances in concentrations sufficient to	1,812
exhibit Annex III hazard characteristics	
Soils contaminated with residues of substances in Basel Y-codes 19-45	1,749
Sludges contaminated with residues of substances in Basel Y-codes 19-45	106
Tyres	33,635

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6,452	6,642	
1,716	5,711	
1,268	1,333	
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6,692	6,692
630	630
430	430
999	999
185	185
2,181	2,181
260,699	260,699
48	48
0	0
578	578
296	296
231	231
414	414
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9	9
0	0
0	0
208	208
0	0
3,701	3,701
123	123
270	270
6,570	6,570
83,749	83,749
58,240	58,240
28	28
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454	454
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73	73
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20,788	20,788
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108,154	108,154
108,427	108,427
3,340	3,240
44,028	44,028

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148	178
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460	689
1,282	1,260
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19	26
852	1,435
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205	192
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93	43
79,497	87,185
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10,089	25,188
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15,504	2,705
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272	263
30,022	35,554
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253	4,220
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195	195
295,709	143,752
263	184
14,393	42,056

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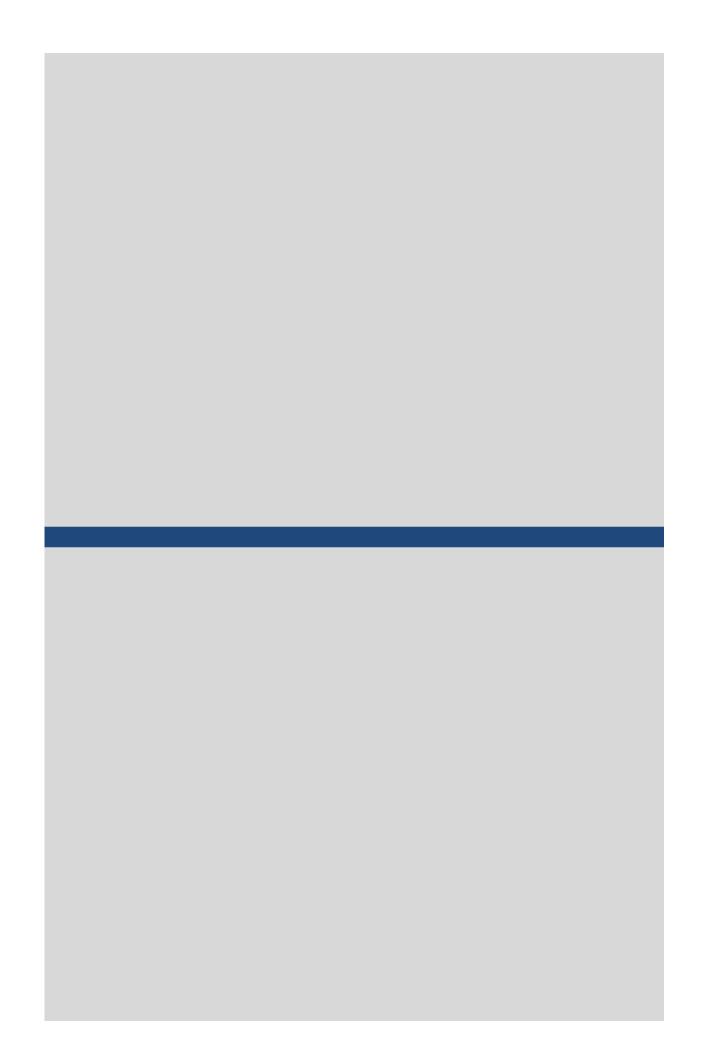
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	148,390 0 0 1,645 4 8,292	148,399 0 0 1,645 4 8,292
	148,390 0 0 1,645 4 8,292	148,399 0 0 1,645 4 8,292
4,971 4,971	148,390 0 0 1,645 4 8,292 7	148,399 0 0 1,645 4 8,292
	148,390 0 0 1,645 4 8,292 7 7	148,399 0 0 1,645 4 8,292 7 7
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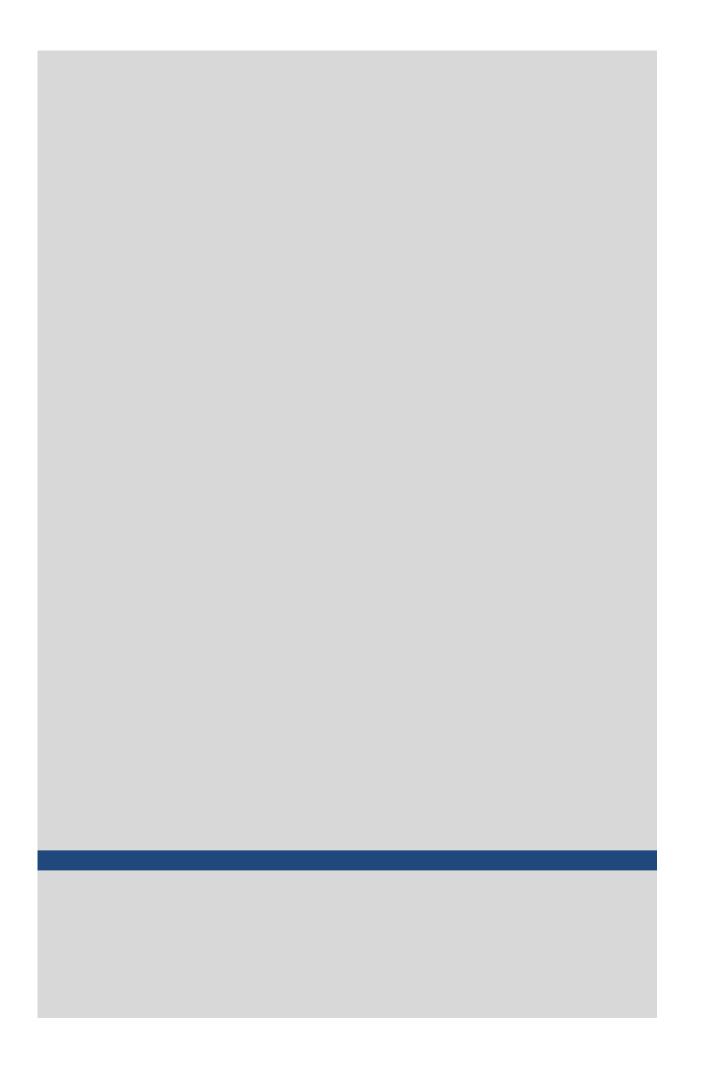
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370	629
196	271
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438	610
0	0
9,493	9,710
39,650	39,619
310	152
237	448
10,293	10,355
1,259	1,183
478	559
33	17
487	356
0	0
223,713	233,180
3	6
0	0
175	96
70	141
5,875	6,703
19	49
0	0
9	1
0	9
0	0
10	8
0	6
1,155	1,042
0	3
7	21
7,341	6,214
4,449	4,146
28,923	45,852
5	10
0	0
0	1
474	821
76	101
2,423	2,276
0	0
0	0

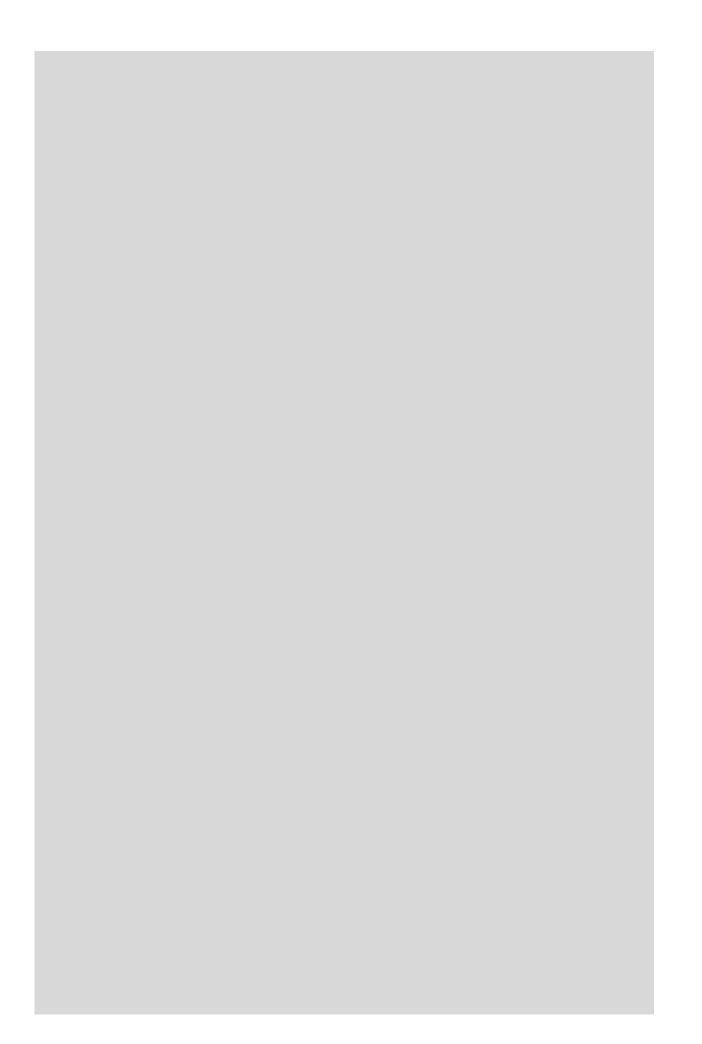
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105	168
1,741	1,839
434	283
74,663	81,634
9,983	11,385
172,277	201,487
2,650	2,910
42,056	42,056

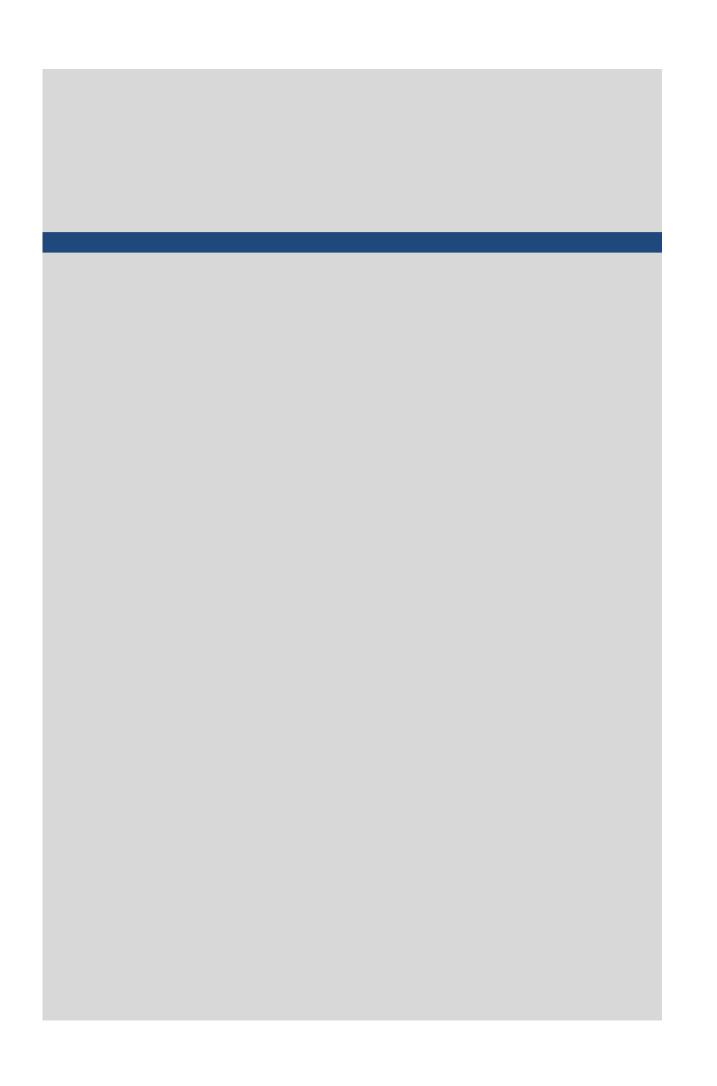
439
439
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711
17
53,329
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20
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243
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646
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282
146
17

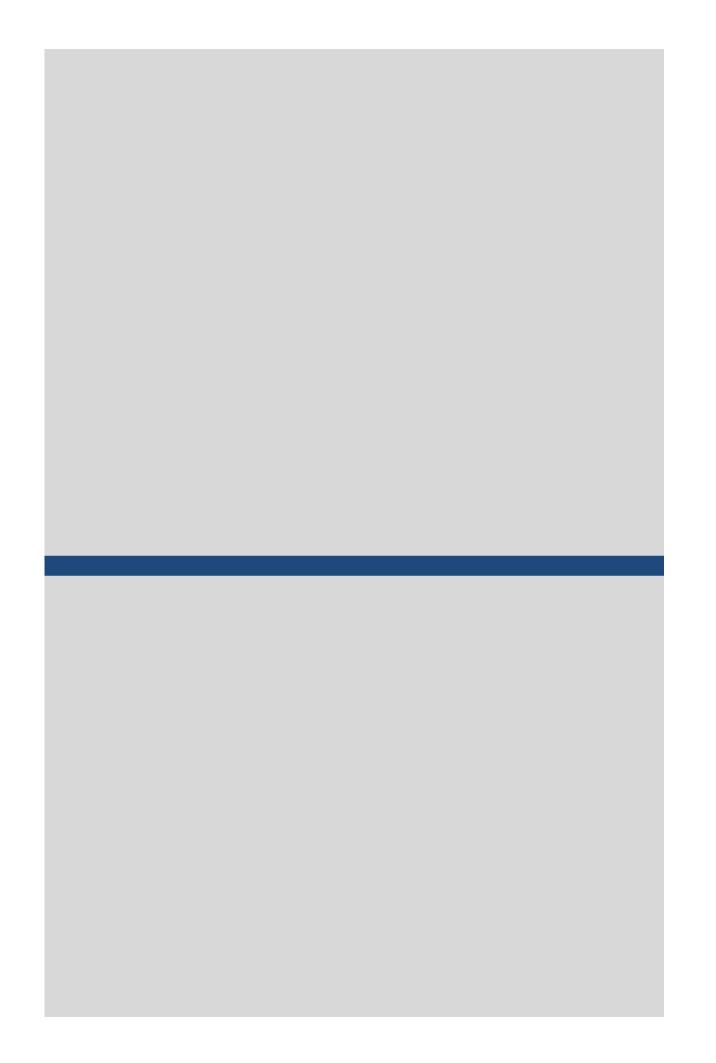
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47,545 40,810 24,887 25,311 0 0 0 0 43 311 62 15 9 2 2,068 3,603 2 185 9 2 699,878 711,816 0 0 699,878 711,816 0 0 185 94 2,068 3,925 185 94 40,678 43,875 1,404 1,855 4,688 1,755 66 129	1,063	1,995
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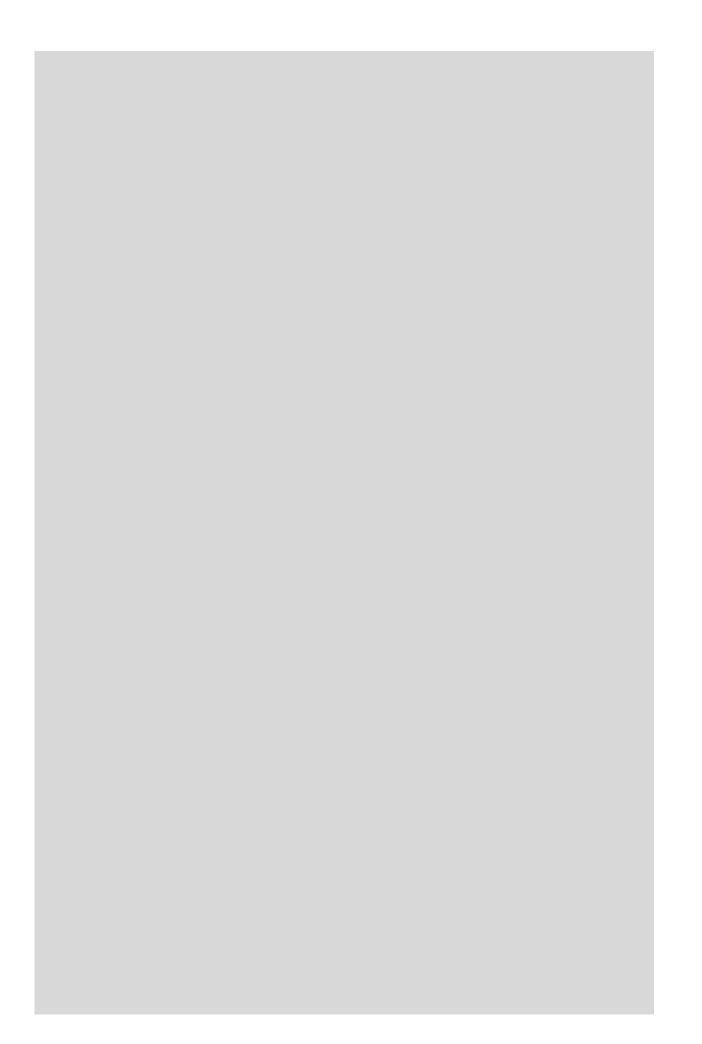




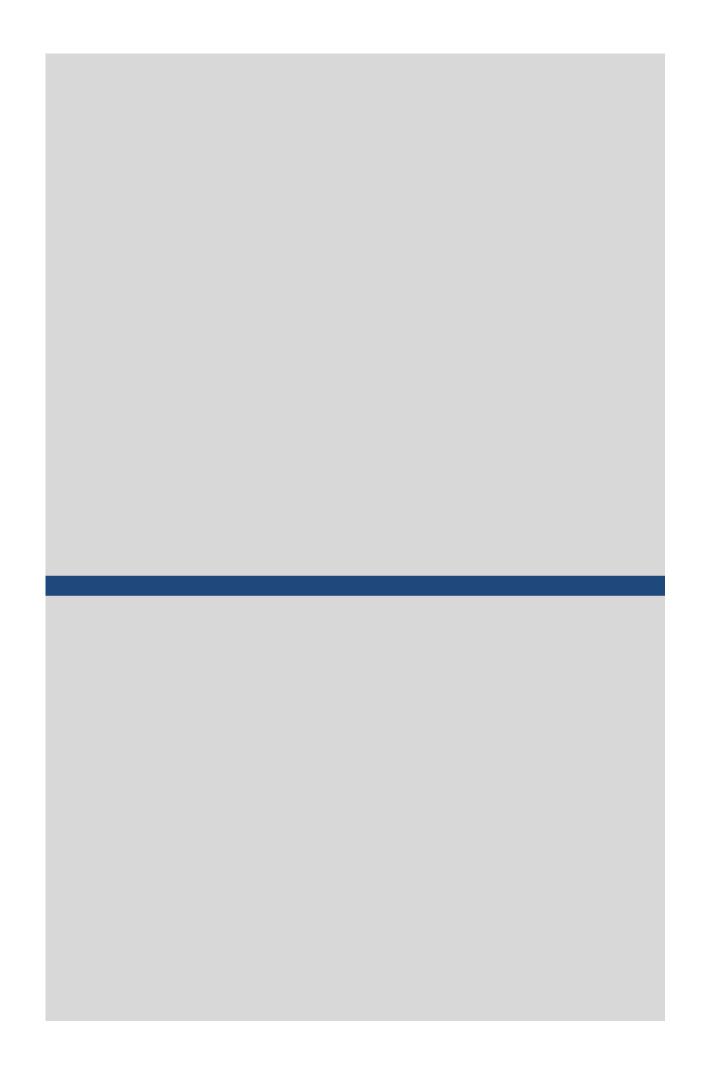














National data sets

This worksheet collates the adjusted jurisdiction data into si

National Environment Protection (Movem "75" code "15" code NEPM 15 waste description Plating and heat treatment А A100 A110 A130 Acids В B100 Alkalis С C100 D Inorganic chemicals D100 D110 D120 D130 D140 D150 D160 D170 D180 D190 D200 D210 D220 D230 D240 D250 D270 D290 D300 D310 D330 D340 D350 D360 Reactive chemicals Е E100 F Paints, resins, inks, organic F100 sludges F110 G Organic solvents G100 G110 G150 G160 Н Pesticides H100 H110 H170 J Oils J100 J120 J160

K Putrescible/ organic waste K100 K110 K110 K140 K190 M Organic chemicals M100 M150 M160 M170 M180 M210 M220 M220 M230 M250 M260 N Soil/ sludge N100 N120 N140 N150 N160 N120 N120 N140 N150 N120 N140 N120 N120 N120 N120 N120 N120 N120 N120 N120 N120 N120 T100 T120 T140			1
K140K190MOrganic chemicalsM100M150M150M160M170M180M210M220M230M250M260NSoil/ sludgeN100N120N140N150N160N190N205N220N230RClinical and pharmaceuticalR100TMiscellaneousT100T120T140	K	Putrescible/ organic waste	K100
MOrganic chemicalsK190MOrganic chemicalsM100M150M160M170M180M210M210M220M230M250M260NSoil/ sludgeN100N120N140N150N160N190N205N205N220N230RClinical and pharmaceuticalR100TMiscellaneousT100T120T140			K110
MOrganic chemicalsM100M150M150M160M170M180M210M220M230M250M260NSoil/ sludgeN100N120N140N150N160N190N205N220N230RClinical and pharmaceuticalR100TMiscellaneousT100T120T140			K140
M100 M150 M150 M160 M170 M180 M210 M220 M230 M250 M260 N Soil/ sludge N100 N120 N140 N150 N160 N120 N120 N120 N120 N140 N120			K190
M160 M170 M180 M210 M220 M230 M250 M260 N Soil/ sludge N120 N120 N120 N120 N120 N140 N150 N160 N190 N205 N220 N230 R Clinical and pharmaceutical R140 T Miscellaneous T120 T140	М	Organic chemicals	M100
M170 M180 M210 M220 M230 M250 M260 N Soil/sludge N120 N120 N120 N140 N150 N160 N190 N220 N205 N220 N230 R Clinical and pharmaceutical R140 T Miscellaneous T100 T120 T140			M150
M180 M210 M220 M230 M250 M260 N Soil/ sludge N120 N120 N120 N120 N140 N150 N160 N190 N205 N220 N230 R Clinical and pharmaceutical R120 R140 T Miscellaneous T120 T140			M160
M210 M220 M230 M250 M260 N Soil/ sludge N120 N140 N150 N160 N190 N220 R Clinical and pharmaceutical R140 T Miscellaneous T100 T120 T140			M170
M220 M230 M250 M260 N Soil/sludge N100 N120 N140 N150 N160 N190 N220 R Clinical and pharmaceutical R140 T Miscellaneous T100 T120 T140			M180
M230 M250 M260 N Soil/sludge N120 N120 N140 N150 N160 N190 N220 N230 R Clinical and pharmaceutical R100 R140 T Miscellaneous T120 T120 T140			M210
M250 M260 N Soil/ sludge N120 N140 N150 N160 N190 N225 N220 R Clinical and pharmaceutical R140 T Miscellaneous T120 T120 T140			M220
N Soil/ sludge N100 N Soil/ sludge N120 N140 N150 N160 N190 N205 N220 N230 R Clinical and pharmaceutical R100 R140 T100 T Miscellaneous T120 T140			M230
NSoil/ sludgeN100N120N140N140N150N160N190N205N220N230N230RClinical and pharmaceuticalR100R120R140TMiscellaneousT100T120T140			M250
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N140 N150 N160 N190 N205 N220 N230 R Clinical and pharmaceutical R120 R140 T Miscellaneous T100 T120 T140	Ν	Soil/ sludge	N100
N150 N160 N190 N205 N220 N230 R Clinical and pharmaceutical R100 R120 R140 T Miscellaneous T120 T140			N120
N160 N190 N205 N220 N230 R Clinical and pharmaceutical R120 R140 T Miscellaneous T120 T120 T140			N140
N190N205N220N230RClinical and pharmaceuticalR120R140TMiscellaneousT100T120T140			N150
R Clinical and pharmaceutical R100 R Clinical and pharmaceutical R100 R120 T Miscellaneous T100 T120 T120 T140			N160
N220N230RClinical and pharmaceuticalR100R120R140TMiscellaneousT100T120T140			N190
RClinical and pharmaceuticalN230RClinical and pharmaceuticalR100R120R140TMiscellaneousT100T120T140			N205
R Clinical and pharmaceutical R100 R120 R140 T Miscellaneous T100 T120 T140			N220
R120 R140 T Miscellaneous T100 T120 T140			N230
T Miscellaneous T100	R	Clinical and pharmaceutical	R100
T Miscellaneous T100			R120
T100 T120 T140			R140
T140	Т	Miscellaneous	T100
T140			T120

ngle Australian data sets for NEPM & Basel codes

ent of Controlled Waste between States and Territories) Measure
Waste description (NEPM Schedule A, List 1)
Waste resulting from surface treatment of metals and plastics
Waste from heat treatment and tempering operations containing cyanides
Cyanides (inorganic)
Acidic solutions or acids in solid form
Basic solutions or bases in solid form
Metal carbonyls
Inorganic fluorine compounds excluding calcium fluoride
Mercury; mercury compounds
Arsenic; arsenic compounds
Chromium compounds (hexavalent and trivalent)
Cadmium; cadmium compounds
Beryllium; beryllium compounds
Antimony; antimony compounds
Thallium; thallium compounds
Copper compounds
Cobalt compounds
Nickel compounds
Lead; lead compounds
Zinc compounds
Selenium; selenium compounds
Tellurium; tellurium compounds
Vanadium compounds
Barium compounds (excluding barium sulphate)
Non-toxic salts
Boron compounds
Inorganic sulfides
Perchlorates
Chlorates
Phosphorus compounds excluding mineral phosphates
Waste containing peroxides other than hydrogen peroxide
Waste from the production, formulation and use of inks, dyes, pigments, paints, lacquers and varnish
Waste from the production, formulation and use of resins, latex, plasticisers, glues and adhesives
Ethers
Organic solvents excluding halogenated solvents
Halogenated organic solvents
Waste from the production, formulation and use of organic solvents
Waste from the production, formulation and use of biocides and phytopharmaceuticals
Organic phosphorous compounds
Waste from manufacture, formulation and use of wood-preserving chemicals
Waste mineral oils unfit for their original intended use
Waste oil/water, hydrocarbons/water mixtures or emulsions
Waste tarry residues arising from refining, distillation, and any pyrolytic treatment

Animal effluent and residues (abattoir effluent, poultry and fish processing wastes)

Grease trap waste

Tannery wastes (including leather dust, ash, sludges and flours)

Wool scouring wastes

Waste substances and articles containing or contaminated with polychlorinated biphenyls, polychlorinated napthalenes, polychlorinated terphenyls and/or polybrominated biphenyls

Phenols, phenol compounds including chlorophenols

Organo halogen compounds—other than substances referred to in this Table or Table 2

Polychlorinated dibenzo-furan (any congener)

Polychlorinated dibenzo-p-dioxin (any congener)

Cyanides (organic)

Isocyanate compounds

Triethylamine catalysts for setting foundry sands

Surface active agents (surfactants), containing principally organic constituents and which may contain metals and inorganic materials

Highly odorous organic chemicals (including mercaptans and acrylates)

Containers and drums that are contaminated with residues of substances referred to in this list

Soils contaminated with a controlled waste

Fire debris and fire wash waters

Fly ash, excluding fly ash generated from Australian coal fired power stations

Encapsulated, chemically-fixed, solidified or polymerised wastes referred to in this list

Filter cake contaminated with residues of substances referred to in this list

Residues from industrial waste treatment/disposal operations

Asbestos

Ceramic-based fibres with physico-chemical characteristics similar to those of asbestos

Clinical and related wastes

Waste pharmaceuticals, drugs and medicines

Waste from the production and preparation of pharmaceutical products

Waste chemical substances arising from research and development or teaching activities, including those which are not identified and/or are new and whose effects on human health and/or the environment are not known

Waste from the production, formulation and use of photographic chemicals and processing materials

Tyres

Waste of an explosive nature not subject to other legislation

Tonnes generated		
Jul-Dec 2011	Jan-Jun 2012	Jul-Dec 2012
1,176	3,080	2,871
, 6	0	0
16	298	336
18,784	22,377	22,348
197,846	168,603	166,769
8	58	109
11	128	729
954	477	385
545	469	508
7,711	1,210	963
11	31	31
11	0	8
32	0	27
0	1	6
131	527	745
18	18	34
142	190	254
14,608	24,987	14,472
16,363	64,346	80,116
11	0	0
0	0	0
237	31	16
7	1	5
15,401	32,947	41,226
6	3	87
69	182	179
10	13	48
11	102	102
1	216	234
113	136	123
17,971	25,308	26,258
3,349	3,909	7,898
1,138	611	913
7,807	8,147	8,641
295	596	577
853	7,205	7,325
1,312	1,816	2,181
52	67	89
762	277	155
120,889	196,709	148,896
113,985	206,824	204,283
374	868	994

Basel Co
Code
¥1
Y2
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Y31
Y32
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Y34
Y35
Y36
Y37 Y38
Y39
Y40
Y41

81,274 103,284 108,6	585
193,153 262,620 268,6	544
264 3,313 3,3	395
264 16,638 16,7	20
1,248 2,360 2,4	101
116 561 5	540
127 205 1	.35
0 0	0
0 0	0
1 0	0
110 82 1	106
130 316 2,7	79
7,234 7,317 5,5	563
21 8	44
17,811 18,259 20,1	24
618,111 833,550 707,6	577
604 1,136 1,5	532
628 3,000 2,8	382
23,036 26,061 39,5	53
8,058 7,784 7,2	
564,066 818,709 834,7	
166,227 231,209 246,0	
83 52	44
15,284 27,783 27,7	742
6,023 6,592 6,9	
	386
1,903 2,714 2,8	309
640 793 6	599
144,875 193,874 221,5	537
45 928 9	909

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Y42
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ivention	
Waste description (Annex 1)	Jul-Dec 2011
Clinical wastes from medical care in hospitals, medical centres and clinics	15,284
Wastes from the production and preparation of pharmaceutical products	785
Waste pharmaceuticals, drugs and medicines	6,023
Wastes from the production of biocides and phytopharmaceuticals	1,312
Wastes from the manufacture of wood preserving chemicals	762
Wastes from the production, formulation and use of organic solvent	853
Wastes from heat treatment and tempering operations containing cyanides	6
Waste mineral oils unfit for their originally intended use	120,889
Waste oils/water, hydrocarbons/water mixtures, emulsion	113,985
Waste substancescontaining or contaminated with PCBs, PCTs, PBBs	1,248
Waste tarry residues from refining, distillation and any pyrolytic treatment	374
Wastes from production of inks, dyes, pigments, paints, etc	17,971
Wastes from productionresins, latex, plasticizers, glues, etc	3,349
Waste chemical substances arising environment are not known	1,903
Wastes of an explosive nature not subject to other legislation	179
Wastes from production, formulation and use of photographic chemicals	640
Wastes resulting from surface treatment of metals and plastics	1,176
Residues arising from industrial waste disposal operations	587,813
Wastes having as constituents	
Metal carbonyls	8
Beryllium; beryllium compounds	11
Hexavalent chromium compounds	7,711
Copper compounds	131
Zinc compounds	16,363
Arsenic; arsenic compounds	545
Selenium; selenium compounds	11
Cadmium; cadmium compounds	11
Antimony; antimony compounds	32
Tellurium; tellurium compounds	0
Mercury; mercury compounds	954
Thallium; thallium compounds	0
Lead; lead compounds	14,608
Inorganic fluorine compounds excluding calcium fluoride	11
Inorganic cyanides	16
Acidic solutions or acids in solid form	18,784
Basic solutions or bases in solid form	197,846
Asbestos (dust and fibres)	166,227
Organic phosphorus compounds	52
Organic cyanides	1
Phenols; phenol compounds including chlorophenols	116
Ethers	1,138
Halogenated organic solvents	295

	1	
Organic solvents excluding halogenated solvents	7,807	
Any congenor of polychlorinated dibenzo-furan	0	
Any congenor of polychlorinated dibenzo-p-dioxin	0	
Organohalogen compounds other than(e.g. Y39, Y41, Y42, Y43, Y44)	127	
Categories of wastes requiring special consideration (Annex II)		
Wastes collected from households	5,045,354	
Residues arising from the incineration of household wastes	0	
Additional waste categories not included in Y-Codes		
Other metal compounds	405	
Other inorganic chemicals	15,478	
Other organic chemicals	7,379	
Putrescible/ organic waste	274,955	
Waste packages and containers containing Annex 1 substances in concentrations sufficient to exhibit Annex III hazard characteristics	17,811	
Soils contaminated with residues of substances in Basel Y-codes 19-45	618,111	
Sludges contaminated with residues of substances in Basel Y-codes 19-45	8,662	
Tyres	144,875	

I: Y1-Y45) generated (2012) 3,726,162

Tonnes generated		
Jan-Jun 2012	Jul-Dec 2012	2012
27,783	27,742	55,526
755	886	1,641
6,592	6,920	13,512
1,816	2,181	3,997
277	155	431
7,205	7,325	14,530
0	0	0
196,709	148,896	345,605
206,824	204,283	411,107
2,360	2,401	4,761
868	994	1,862
25,308	26,258	51,565
3,909	7,898	11,808
2,714	2,809	5,523
1,179	1,183	2,361
793	699	1,492
3,080	2,871	5,951
847,822	877,269	1,725,091
58	109	167
0	8	8
1,210	963	2,173
527	745	1,272
64,346	80,116	144,462
469	508	977
0	0	0
31	31	62
0	27	27
0	0	0
477	385	862
24 097	6 14 472	20.450
24,987	14,472	39,459 856
128	729	856
298	336	634
22,377	22,348	44,725
168,603	166,769	335,371
231,209	246,048	477,257
67	89	156
0 561	0	1 100
561	540	1,100
611 596	913 577	1,524
596	577	1,173

8,147	8,641	16,787
0	0	0
0	0	0
205	135	339
6,556,006	6,610,719	13,166,725
0	0	0
239	309	548
33,349	41,726	75,075
7,607	8,372	15,978
382,779	394,368	777,147
18,259	20,124	38,383
833,550	707,677	1,541,227
8,919	8,790	17,709
193,874	221,537	415,411

