

Waste Classification Report



TSCP8-LJELY-4JWNW

Job name

A3376

Description/Comments

Project

Site

Related Documents

#	Name	Description
None		

Waste Stream Template

Example waste stream template for contaminated soils

Classified by

Name: Adam Czarnecki	Company: Earth Environmental & Geotechnical	HazWasteOnline™ Training Record:	
Date: 12 Feb 2020 15:31 GMT	Houldsworth Mill Business & Arts Centre	Course	Date
Telephone: 0161 975 6088	Houldsworth Street, Reddish	Hazardous Waste Classification	-
	Stockport	Advanced Hazardous Waste Classification	-
	SK5 6DA		

Report

Created by: Adam Czarnecki
Created date: 12 Feb 2020 15:31 GMT

Job summary

#	Sample Name	Depth [m]	Classification Result	Hazard properties	Page
1	HD101	0.6	Non Hazardous		2
2	HD102	0.4	Non Hazardous		5
3	HD103	0.8	Non Hazardous		8
4	HD104	1	Non Hazardous		11
5	HD105	0.2	Non Hazardous		14
6	HD106	0.9	Non Hazardous		17

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Appendix B: Rationale for selection of metal species	21
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Classification of sample: HD101

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:	LoW Code:
HD101	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.6 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
15.2%	
(dry weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 15.2% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				3	mg/kg	1.32	3.438	mg/kg	0.000344 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
2	beryllium { beryllium oxide }				<0.5	mg/kg	2.775	<1.388	mg/kg	<0.000139 %		<LOD
	004-003-00-8	215-133-1	1304-56-9									
3	boron { diboron trioxide; boric oxide }				<1	mg/kg	3.22	<3.22	mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2									
4	cadmium { cadmium oxide }				<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0									
5	chromium in chromium(III) compounds { chromium(III) oxide }				9	mg/kg	1.462	11.418	mg/kg	0.00114 %	✓	
		215-160-9	1308-38-9									
6	chromium in chromium(VI) compounds { chromium(VI) oxide }				<2	mg/kg	1.923	<3.846	mg/kg	<0.000385 %		<LOD
	024-001-00-0	215-607-8	1333-82-0									
7	copper { dicopper oxide; copper (I) oxide }				9	mg/kg	1.126	8.796	mg/kg	0.00088 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
8	lead { lead chromate }			1	9	mg/kg	1.56	12.186	mg/kg	0.000781 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
9	mercury { mercury dichloride }				<1	mg/kg	1.353	<1.353	mg/kg	<0.000135 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
10	nickel { nickel chromate }				12	mg/kg	2.976	31.003	mg/kg	0.0031 %	✓	
	028-035-00-7	238-766-5	14721-18-7									
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<3	mg/kg	2.554	<7.661	mg/kg	<0.000766 %		<LOD
	034-002-00-8											
12	zinc { zinc chromate }				26	mg/kg	2.774	62.611	mg/kg	0.00626 %	✓	
	024-007-00-3											
13	TPH (C6 to C40) petroleum group				<42	mg/kg		<42	mg/kg	<0.0042 %		<LOD
			TPH									



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
14	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
15	benzene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
16	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
17	ethylbenzene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
19	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<2 mg/kg	1.884	<3.768 mg/kg	<0.000377 %		<LOD
	006-007-00-5									
20	pH				7.7 pH		7.7 pH	7.7 pH		
			PH							
21	naphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
22	acenaphthylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8							
23	acenaphthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-469-6	83-32-9							
24	fluorene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-695-5	86-73-7							
25	phenanthrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-581-5	85-01-8							
26	anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		204-371-1	120-12-7							
27	fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-912-4	206-44-0							
28	pyrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		204-927-3	129-00-0							
29	benzo[a]anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
30	chrysene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
31	benzo[b]fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
32	benzo[k]fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
33	benzo[a]pyrene; benzo[def]chrysene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
34	indeno[123-cd]pyrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-893-2	193-39-5							
35	dibenz[a,h]anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
36	benzo[ghi]perylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-883-8	191-24-2							
37	phenol				<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
	604-001-00-2	203-632-7	108-95-2							
Total:								0.0192 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification



Classification of sample: HD102

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:	LoW Code:	
HD102	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.4 m		
Moisture content:		
16.5%		
(dry weight correction)		

Hazard properties

None identified

Determinands

Moisture content: 16.5% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	arsenic { arsenic trioxide }				7 mg/kg	1.32	7.933 mg/kg	0.000793 %	✓		
	033-003-00-0	215-481-4	1327-53-3								
2	beryllium { beryllium oxide }				0.8 mg/kg	2.775	1.906 mg/kg	0.000191 %	✓		
	004-003-00-8	215-133-1	1304-56-9								
3	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %			<LOD
	005-008-00-8	215-125-8	1303-86-2								
4	cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %			<LOD
	048-002-00-0	215-146-2	1306-19-0								
5	chromium in chromium(III) compounds { chromium(III) oxide }				17 mg/kg	1.462	21.327 mg/kg	0.00213 %	✓		
		215-160-9	1308-38-9								
6	chromium in chromium(VI) compounds { chromium(VI) oxide }				<2 mg/kg	1.923	<3.846 mg/kg	<0.000385 %			<LOD
	024-001-00-0	215-607-8	1333-82-0								
7	copper { dicopper oxide; copper (I) oxide }				20 mg/kg	1.126	19.329 mg/kg	0.00193 %	✓		
	029-002-00-X	215-270-7	1317-39-1								
8	lead { lead chromate }			1	23 mg/kg	1.56	30.795 mg/kg	0.00197 %	✓		
	082-004-00-2	231-846-0	7758-97-6								
9	mercury { mercury dichloride }				<1 mg/kg	1.353	<1.353 mg/kg	<0.000135 %			<LOD
	080-010-00-X	231-299-8	7487-94-7								
10	nickel { nickel chromate }				22 mg/kg	2.976	56.204 mg/kg	0.00562 %	✓		
	028-035-00-7	238-766-5	14721-18-7								
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<3 mg/kg	2.554	<7.661 mg/kg	<0.000766 %			<LOD
	034-002-00-8										
12	zinc { zinc chromate }				50 mg/kg	2.774	119.062 mg/kg	0.0119 %	✓		
	024-007-00-3										
13	TPH (C6 to C40) petroleum group		TPH		<42 mg/kg		<42 mg/kg	<0.0042 %			<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value		MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number										
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg			<0.005 mg/kg		<0.0000005 %			<LOD
	603-181-00-X	216-653-1	1634-04-4											
15		benzene				<0.002 mg/kg			<0.002 mg/kg		<0.0000002 %			<LOD
	601-020-00-8	200-753-7	71-43-2											
16		toluene				<0.005 mg/kg			<0.005 mg/kg		<0.0000005 %			<LOD
	601-021-00-3	203-625-9	108-88-3											
17	●	ethylbenzene				<0.002 mg/kg			<0.002 mg/kg		<0.0000002 %			<LOD
	601-023-00-4	202-849-4	100-41-4											
18		xylene				<0.002 mg/kg			<0.002 mg/kg		<0.0000002 %			<LOD
	601-022-00-9	202-422-2 [1]	95-47-6 [1]											
		203-396-5 [2]	106-42-3 [2]											
		203-576-3 [3]	108-38-3 [3]											
		215-535-7 [4]	1330-20-7 [4]											
19	🧪	cyanides { ● salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<2 mg/kg		1.884	<3.768 mg/kg		<0.000377 %			<LOD
	006-007-00-5													
20	●	pH				7.7 pH			7.7 pH		7.7 pH			
			PH											
21		naphthalene				<0.1 mg/kg			<0.1 mg/kg		<0.00001 %			<LOD
	601-052-00-2	202-049-5	91-20-3											
22	●	acenaphthylene				<0.1 mg/kg			<0.1 mg/kg		<0.00001 %			<LOD
		205-917-1	208-96-8											
23	●	acenaphthene				0.25 mg/kg			0.215 mg/kg		0.0000215 %		✓	
		201-469-6	83-32-9											
24	●	fluorene				0.19 mg/kg			0.163 mg/kg		0.0000163 %		✓	
		201-695-5	86-73-7											
25	●	phenanthrene				1.7 mg/kg			1.459 mg/kg		0.000146 %		✓	
		201-581-5	85-01-8											
26	●	anthracene				0.4 mg/kg			0.343 mg/kg		0.0000343 %		✓	
		204-371-1	120-12-7											
27	●	fluoranthene				3.2 mg/kg			2.747 mg/kg		0.000275 %		✓	
		205-912-4	206-44-0											
28	●	pyrene				3.01 mg/kg			2.584 mg/kg		0.000258 %		✓	
		204-927-3	129-00-0											
29		benzo[a]anthracene				1.49 mg/kg			1.279 mg/kg		0.000128 %		✓	
	601-033-00-9	200-280-6	56-55-3											
30		chrysene				1.26 mg/kg			1.082 mg/kg		0.000108 %		✓	
	601-048-00-0	205-923-4	218-01-9											
31		benzo[b]fluoranthene				1.61 mg/kg			1.382 mg/kg		0.000138 %		✓	
	601-034-00-4	205-911-9	205-99-2											
32		benzo[k]fluoranthene				0.52 mg/kg			0.446 mg/kg		0.0000446 %		✓	
	601-036-00-5	205-916-6	207-08-9											
33		benzo[a]pyrene; benzo[def]chrysene				1.32 mg/kg			1.133 mg/kg		0.000113 %		✓	
	601-032-00-3	200-028-5	50-32-8											
34	●	indeno[123-cd]pyrene				0.77 mg/kg			0.661 mg/kg		0.0000661 %		✓	
		205-893-2	193-39-5											
35		dibenz[a,h]anthracene				0.17 mg/kg			0.146 mg/kg		0.0000146 %		✓	
	601-041-00-2	200-181-8	53-70-3											
36	●	benzo[ghi]perylene				0.65 mg/kg			0.558 mg/kg		0.0000558 %		✓	
		205-883-8	191-24-2											
37		phenol				<2 mg/kg			<2 mg/kg		<0.0002 %			<LOD
	604-001-00-2	203-632-7	108-95-2											
Total:									0.0324 %					



Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: HD103

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:	LoW Code:
HD103	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.8 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
15.8%	
(dry weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 15.8% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	arsenic { arsenic trioxide }				9 mg/kg	1.32	10.262 mg/kg	0.00103 %	✓		
	033-003-00-0	215-481-4	1327-53-3								
2	beryllium { beryllium oxide }				0.7 mg/kg	2.775	1.678 mg/kg	0.000168 %	✓		
	004-003-00-8	215-133-1	1304-56-9								
3	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %			<LOD
	005-008-00-8	215-125-8	1303-86-2								
4	cadmium { cadmium oxide }				0.2 mg/kg	1.142	0.197 mg/kg	0.0000197 %	✓		
	048-002-00-0	215-146-2	1306-19-0								
5	chromium in chromium(III) compounds { chromium(III) oxide }				14 mg/kg	1.462	17.67 mg/kg	0.00177 %	✓		
		215-160-9	1308-38-9								
6	chromium in chromium(VI) compounds { chromium(VI) oxide }				<2 mg/kg	1.923	<3.846 mg/kg	<0.000385 %			<LOD
	024-001-00-0	215-607-8	1333-82-0								
7	copper { dicopper oxide; copper (I) oxide }				24 mg/kg	1.126	23.334 mg/kg	0.00233 %	✓		
	029-002-00-X	215-270-7	1317-39-1								
8	lead { lead chromate }			1	43 mg/kg	1.56	57.921 mg/kg	0.00371 %	✓		
	082-004-00-2	231-846-0	7758-97-6								
9	mercury { mercury dichloride }				<1 mg/kg	1.353	<1.353 mg/kg	<0.000135 %			<LOD
	080-010-00-X	231-299-8	7487-94-7								
10	nickel { nickel chromate }				12 mg/kg	2.976	30.842 mg/kg	0.00308 %	✓		
	028-035-00-7	238-766-5	14721-18-7								
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<3 mg/kg	2.554	<7.661 mg/kg	<0.000766 %			<LOD
	034-002-00-8										
12	zinc { zinc chromate }				53 mg/kg	2.774	126.969 mg/kg	0.0127 %	✓		
	024-007-00-3										
13	TPH (C6 to C40) petroleum group				<42 mg/kg		<42 mg/kg	<0.0042 %			<LOD
			TPH								



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
14	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
15	benzene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
16	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
17	ethylbenzene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
19	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<2 mg/kg	1.884	<3.768 mg/kg	<0.000377 %		<LOD
	006-007-00-5									
20	pH		PH		8 pH		8 pH	8pH		
21	naphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
22	acenaphthylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8							
23	acenaphthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-469-6	83-32-9							
24	fluorene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-695-5	86-73-7							
25	phenanthrene				0.65 mg/kg		0.561 mg/kg	0.0000561 %	✓	
		201-581-5	85-01-8							
26	anthracene				0.13 mg/kg		0.112 mg/kg	0.0000112 %	✓	
		204-371-1	120-12-7							
27	fluoranthene				0.96 mg/kg		0.829 mg/kg	0.0000829 %	✓	
		205-912-4	206-44-0							
28	pyrene				0.83 mg/kg		0.717 mg/kg	0.0000717 %	✓	
		204-927-3	129-00-0							
29	benzo[a]anthracene				0.42 mg/kg		0.363 mg/kg	0.0000363 %	✓	
	601-033-00-9	200-280-6	56-55-3							
30	chrysene				0.4 mg/kg		0.345 mg/kg	0.0000345 %	✓	
	601-048-00-0	205-923-4	218-01-9							
31	benzo[b]fluoranthene				0.42 mg/kg		0.363 mg/kg	0.0000363 %	✓	
	601-034-00-4	205-911-9	205-99-2							
32	benzo[k]fluoranthene				0.13 mg/kg		0.112 mg/kg	0.0000112 %	✓	
	601-036-00-5	205-916-6	207-08-9							
33	benzo[a]pyrene; benzo[def]chrysene				0.3 mg/kg		0.259 mg/kg	0.0000259 %	✓	
	601-032-00-3	200-028-5	50-32-8							
34	indeno[123-cd]pyrene				0.17 mg/kg		0.147 mg/kg	0.0000147 %	✓	
		205-893-2	193-39-5							
35	dibenz[a,h]anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
36	benzo[ghi]perylene				0.15 mg/kg		0.13 mg/kg	0.000013 %	✓	
		205-883-8	191-24-2							
37	phenol				<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
	604-001-00-2	203-632-7	108-95-2							
Total:								0.0316 %		



Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification



Classification of sample: HD104

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:	LoW Code:	
HD104	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
1 m		
Moisture content:		
16.6%		
(dry weight correction)		

Hazard properties

None identified

Determinands

Moisture content: 16.6% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	arsenic { arsenic trioxide }				7 mg/kg	1.32	7.926 mg/kg	0.000793 %	✓		
	033-003-00-0	215-481-4	1327-53-3								
2	beryllium { beryllium oxide }				0.8 mg/kg	2.775	1.904 mg/kg	0.00019 %	✓		
	004-003-00-8	215-133-1	1304-56-9								
3	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %			<LOD
	005-008-00-8	215-125-8	1303-86-2								
4	cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %			<LOD
	048-002-00-0	215-146-2	1306-19-0								
5	chromium in chromium(III) compounds { chromium(III) oxide }				21 mg/kg	1.462	26.323 mg/kg	0.00263 %	✓		
		215-160-9	1308-38-9								
6	chromium in chromium(VI) compounds { chromium(VI) oxide }				<2 mg/kg	1.923	<3.846 mg/kg	<0.000385 %			<LOD
	024-001-00-0	215-607-8	1333-82-0								
7	copper { dicopper oxide; copper (I) oxide }				19 mg/kg	1.126	18.346 mg/kg	0.00183 %	✓		
	029-002-00-X	215-270-7	1317-39-1								
8	lead { lead chromate }			1	23 mg/kg	1.56	30.768 mg/kg	0.00197 %	✓		
	082-004-00-2	231-846-0	7758-97-6								
9	mercury { mercury dichloride }				<1 mg/kg	1.353	<1.353 mg/kg	<0.000135 %			<LOD
	080-010-00-X	231-299-8	7487-94-7								
10	nickel { nickel chromate }				21 mg/kg	2.976	53.603 mg/kg	0.00536 %	✓		
	028-035-00-7	238-766-5	14721-18-7								
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<3 mg/kg	2.554	<7.661 mg/kg	<0.000766 %			<LOD
	034-002-00-8										
12	zinc { zinc chromate }				47 mg/kg	2.774	111.822 mg/kg	0.0112 %	✓		
	024-007-00-3										
13	TPH (C6 to C40) petroleum group				<42 mg/kg		<42 mg/kg	<0.0042 %			<LOD
			TPH								



#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value		MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number										
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg			<0.005 mg/kg		<0.0000005 %			<LOD
	603-181-00-X	216-653-1	1634-04-4											
15		benzene				<0.002 mg/kg			<0.002 mg/kg		<0.0000002 %			<LOD
	601-020-00-8	200-753-7	71-43-2											
16		toluene				<0.005 mg/kg			<0.005 mg/kg		<0.0000005 %			<LOD
	601-021-00-3	203-625-9	108-88-3											
17	●	ethylbenzene				<0.002 mg/kg			<0.002 mg/kg		<0.0000002 %			<LOD
	601-023-00-4	202-849-4	100-41-4											
18		xylene				<0.002 mg/kg			<0.002 mg/kg		<0.0000002 %			<LOD
	601-022-00-9	202-422-2 [1]	95-47-6 [1]											
		203-396-5 [2]	106-42-3 [2]											
		203-576-3 [3]	108-38-3 [3]											
		215-535-7 [4]	1330-20-7 [4]											
19	🧪	cyanides { ● salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<2 mg/kg		1.884	<3.768 mg/kg		<0.000377 %			<LOD
	006-007-00-5													
20	●	pH				8.1 pH			8.1 pH		8.1 pH			
			PH											
21		naphthalene				<0.1 mg/kg			<0.1 mg/kg		<0.00001 %			<LOD
	601-052-00-2	202-049-5	91-20-3											
22	●	acenaphthylene				<0.1 mg/kg			<0.1 mg/kg		<0.00001 %			<LOD
		205-917-1	208-96-8											
23	●	acenaphthene				<0.1 mg/kg			<0.1 mg/kg		<0.00001 %			<LOD
		201-469-6	83-32-9											
24	●	fluorene				<0.1 mg/kg			<0.1 mg/kg		<0.00001 %			<LOD
		201-695-5	86-73-7											
25	●	phenanthrene				0.55 mg/kg			0.472 mg/kg		0.0000472 %		✓	
		201-581-5	85-01-8											
26	●	anthracene				<0.1 mg/kg			<0.1 mg/kg		<0.00001 %			<LOD
		204-371-1	120-12-7											
27	●	fluoranthene				0.85 mg/kg			0.729 mg/kg		0.0000729 %		✓	
		205-912-4	206-44-0											
28	●	pyrene				0.78 mg/kg			0.669 mg/kg		0.0000669 %		✓	
		204-927-3	129-00-0											
29		benzo[a]anthracene				0.47 mg/kg			0.403 mg/kg		0.0000403 %		✓	
	601-033-00-9	200-280-6	56-55-3											
30		chrysene				0.41 mg/kg			0.352 mg/kg		0.0000352 %		✓	
	601-048-00-0	205-923-4	218-01-9											
31		benzo[b]fluoranthene				0.43 mg/kg			0.369 mg/kg		0.0000369 %		✓	
	601-034-00-4	205-911-9	205-99-2											
32		benzo[k]fluoranthene				0.14 mg/kg			0.12 mg/kg		0.000012 %		✓	
	601-036-00-5	205-916-6	207-08-9											
33		benzo[a]pyrene; benzo[def]chrysene				0.28 mg/kg			0.24 mg/kg		0.000024 %		✓	
	601-032-00-3	200-028-5	50-32-8											
34	●	indeno[123-cd]pyrene				0.13 mg/kg			0.111 mg/kg		0.0000111 %		✓	
		205-893-2	193-39-5											
35		dibenz[a,h]anthracene				<0.1 mg/kg			<0.1 mg/kg		<0.00001 %			<LOD
	601-041-00-2	200-181-8	53-70-3											
36	●	benzo[ghi]perylene				0.13 mg/kg			0.111 mg/kg		0.0000111 %		✓	
		205-883-8	191-24-2											
37		phenol				<2 mg/kg			<2 mg/kg		<0.0002 %			<LOD
	604-001-00-2	203-632-7	108-95-2											
Total:									0.0308 %					



Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: HD105

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:	LoW Code:
HD105	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.2 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
20.6%	
(dry weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 20.6% Dry Weight Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
1		arsenic { arsenic trioxide }				14	mg/kg	1.32	15.327	mg/kg	0.00153 %	✓	
		033-003-00-0	215-481-4	1327-53-3									
2		beryllium { beryllium oxide }				0.9	mg/kg	2.775	2.071	mg/kg	0.000207 %	✓	
		004-003-00-8	215-133-1	1304-56-9									
3		boron { diboron trioxide; boric oxide }				<1	mg/kg	3.22	<3.22	mg/kg	<0.000322 %		<LOD
		005-008-00-8	215-125-8	1303-86-2									
4		cadmium { cadmium oxide }				<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<LOD
		048-002-00-0	215-146-2	1306-19-0									
5		chromium in chromium(III) compounds { chromium(III) oxide }				21	mg/kg	1.462	25.45	mg/kg	0.00254 %	✓	
			215-160-9	1308-38-9									
6		chromium in chromium(VI) compounds { chromium(VI) oxide }				<2	mg/kg	1.923	<3.846	mg/kg	<0.000385 %		<LOD
		024-001-00-0	215-607-8	1333-82-0									
7		copper { dicopper oxide; copper (I) oxide }				30	mg/kg	1.126	28.007	mg/kg	0.0028 %	✓	
		029-002-00-X	215-270-7	1317-39-1									
8		lead { lead chromate }			1	89	mg/kg	1.56	115.111	mg/kg	0.00738 %	✓	
		082-004-00-2	231-846-0	7758-97-6									
9		mercury { mercury dichloride }				<1	mg/kg	1.353	<1.353	mg/kg	<0.000135 %		<LOD
		080-010-00-X	231-299-8	7487-94-7									
10		nickel { nickel chromate }				20	mg/kg	2.976	49.358	mg/kg	0.00494 %	✓	
		028-035-00-7	238-766-5	14721-18-7									
11		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<3	mg/kg	2.554	<7.661	mg/kg	<0.000766 %		<LOD
		034-002-00-8											
12		zinc { zinc chromate }				85	mg/kg	2.774	195.524	mg/kg	0.0196 %	✓	
		024-007-00-3											
13		TPH (C6 to C40) petroleum group				<42	mg/kg		<42	mg/kg	<0.0042 %		<LOD
				TPH									



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
14	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
15	benzene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
16	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
17	ethylbenzene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
19	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<2 mg/kg	1.884	<3.768 mg/kg	<0.000377 %		<LOD
	006-007-00-5									
20	pH				8.4 pH		8.4 pH	8.4 pH		
			PH							
21	naphthalene				0.14 mg/kg		0.116 mg/kg	0.0000116 %	✓	
	601-052-00-2	202-049-5	91-20-3							
22	acenaphthylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8							
23	acenaphthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-469-6	83-32-9							
24	fluorene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-695-5	86-73-7							
25	phenanthrene				0.98 mg/kg		0.813 mg/kg	0.0000813 %	✓	
		201-581-5	85-01-8							
26	anthracene				0.18 mg/kg		0.149 mg/kg	0.0000149 %	✓	
		204-371-1	120-12-7							
27	fluoranthene				1.61 mg/kg		1.335 mg/kg	0.000133 %	✓	
		205-912-4	206-44-0							
28	pyrene				1.52 mg/kg		1.26 mg/kg	0.000126 %	✓	
		204-927-3	129-00-0							
29	benzo[a]anthracene				0.84 mg/kg		0.697 mg/kg	0.0000697 %	✓	
	601-033-00-9	200-280-6	56-55-3							
30	chrysene				0.79 mg/kg		0.655 mg/kg	0.0000655 %	✓	
	601-048-00-0	205-923-4	218-01-9							
31	benzo[b]fluoranthene				0.88 mg/kg		0.73 mg/kg	0.000073 %	✓	
	601-034-00-4	205-911-9	205-99-2							
32	benzo[k]fluoranthene				0.28 mg/kg		0.232 mg/kg	0.0000232 %	✓	
	601-036-00-5	205-916-6	207-08-9							
33	benzo[a]pyrene; benzo[def]chrysene				0.63 mg/kg		0.522 mg/kg	0.0000522 %	✓	
	601-032-00-3	200-028-5	50-32-8							
34	indeno[123-cd]pyrene				0.35 mg/kg		0.29 mg/kg	0.000029 %	✓	
		205-893-2	193-39-5							
35	dibenz[a,h]anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
36	benzo[ghi]perylene				0.3 mg/kg		0.249 mg/kg	0.0000249 %	✓	
		205-883-8	191-24-2							
37	phenol				<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
	604-001-00-2	203-632-7	108-95-2							
Total:								0.0461 %		



Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification



Classification of sample: HD106

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:	LoW Code:	
HD106	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.9 m		
Moisture content:		
13.7%		
(dry weight correction)		

Hazard properties

None identified

Determinands

Moisture content: 13.7% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				5 mg/kg	1.32	5.806 mg/kg	0.000581 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	beryllium { beryllium oxide }				0.6 mg/kg	2.775	1.465 mg/kg	0.000146 %	✓	
	004-003-00-8	215-133-1	1304-56-9							
3	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
4	cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
5	chromium in chromium(III) compounds { chromium(III) oxide }				14 mg/kg	1.462	17.996 mg/kg	0.0018 %	✓	
		215-160-9	1308-38-9							
6	chromium in chromium(VI) compounds { chromium(VI) oxide }				<2 mg/kg	1.923	<3.846 mg/kg	<0.000385 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
7	copper { dicopper oxide; copper (I) oxide }				12 mg/kg	1.126	11.883 mg/kg	0.00119 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
8	lead { lead chromate }			1	23 mg/kg	1.56	31.553 mg/kg	0.00202 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
9	mercury { mercury dichloride }				<1 mg/kg	1.353	<1.353 mg/kg	<0.000135 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
10	nickel { nickel chromate }				15 mg/kg	2.976	39.265 mg/kg	0.00393 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<3 mg/kg	2.554	<7.661 mg/kg	<0.000766 %		<LOD
	034-002-00-8									
12	zinc { zinc chromate }				38 mg/kg	2.774	92.716 mg/kg	0.00927 %	✓	
	024-007-00-3									
13	TPH (C6 to C40) petroleum group				<42 mg/kg		<42 mg/kg	<0.0042 %		<LOD
			TPH							



#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value		MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number										
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg			<0.005 mg/kg		<0.0000005 %			<LOD
	603-181-00-X	216-653-1	1634-04-4											
15		benzene				<0.002 mg/kg			<0.002 mg/kg		<0.0000002 %			<LOD
	601-020-00-8	200-753-7	71-43-2											
16		toluene				<0.005 mg/kg			<0.005 mg/kg		<0.0000005 %			<LOD
	601-021-00-3	203-625-9	108-88-3											
17	●	ethylbenzene				<0.002 mg/kg			<0.002 mg/kg		<0.0000002 %			<LOD
	601-023-00-4	202-849-4	100-41-4											
18		xylene				<0.002 mg/kg			<0.002 mg/kg		<0.0000002 %			<LOD
	601-022-00-9	202-422-2 [1]	95-47-6 [1]											
		203-396-5 [2]	106-42-3 [2]											
		203-576-3 [3]	108-38-3 [3]											
		215-535-7 [4]	1330-20-7 [4]											
19	🧪	cyanides { ● salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<2 mg/kg		1.884	<3.768 mg/kg		<0.000377 %			<LOD
	006-007-00-5													
20	●	pH				8.1 pH			8.1 pH		8.1 pH			
			pH											
21		naphthalene				<0.1 mg/kg			<0.1 mg/kg		<0.00001 %			<LOD
	601-052-00-2	202-049-5	91-20-3											
22	●	acenaphthylene				<0.1 mg/kg			<0.1 mg/kg		<0.00001 %			<LOD
		205-917-1	208-96-8											
23	●	acenaphthene				<0.1 mg/kg			<0.1 mg/kg		<0.00001 %			<LOD
		201-469-6	83-32-9											
24	●	fluorene				<0.1 mg/kg			<0.1 mg/kg		<0.00001 %			<LOD
		201-695-5	86-73-7											
25	●	phenanthrene				0.19 mg/kg			0.167 mg/kg		0.0000167 %		✓	
		201-581-5	85-01-8											
26	●	anthracene				<0.1 mg/kg			<0.1 mg/kg		<0.00001 %			<LOD
		204-371-1	120-12-7											
27	●	fluoranthene				0.28 mg/kg			0.246 mg/kg		0.0000246 %		✓	
		205-912-4	206-44-0											
28	●	pyrene				0.26 mg/kg			0.229 mg/kg		0.0000229 %		✓	
		204-927-3	129-00-0											
29		benzo[a]anthracene				0.17 mg/kg			0.15 mg/kg		0.000015 %		✓	
	601-033-00-9	200-280-6	56-55-3											
30		chrysene				0.16 mg/kg			0.141 mg/kg		0.0000141 %		✓	
	601-048-00-0	205-923-4	218-01-9											
31		benzo[b]fluoranthene				0.23 mg/kg			0.202 mg/kg		0.0000202 %		✓	
	601-034-00-4	205-911-9	205-99-2											
32		benzo[k]fluoranthene				<0.1 mg/kg			<0.1 mg/kg		<0.00001 %			<LOD
	601-036-00-5	205-916-6	207-08-9											
33		benzo[a]pyrene; benzo[def]chrysene				0.15 mg/kg			0.132 mg/kg		0.0000132 %		✓	
	601-032-00-3	200-028-5	50-32-8											
34	●	indeno[123-cd]pyrene				<0.1 mg/kg			<0.1 mg/kg		<0.00001 %			<LOD
		205-893-2	193-39-5											
35		dibenz[a,h]anthracene				<0.1 mg/kg			<0.1 mg/kg		<0.00001 %			<LOD
	601-041-00-2	200-181-8	53-70-3											
36	●	benzo[ghi]perylene				<0.1 mg/kg			<0.1 mg/kg		<0.00001 %			<LOD
		205-883-8	191-24-2											
37		phenol				<2 mg/kg			<2 mg/kg		<0.0002 %			<LOD
	604-001-00-2	203-632-7	108-95-2											
Total:									0.0256 %					



Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Appendix A: Classifier defined and non CLP determinands

■ **chromium(III) oxide** (EC Number: 215-160-9, CAS Number: 1308-38-9)

Conversion factor: 1.462

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 17 Jul 2015

Hazard Statements: Aquatic Chronic 1 H410 , Aquatic Acute 1 H400 , Repr. 1B H360FD , Skin Sens. 1 H317 , Resp. Sens. 1 H334 , Skin Irrit. 2 H315 , STOT SE 3 H335 , Eye Irrit. 2 H319 , Acute Tox. 4 H302 , Acute Tox. 4 H332

■ **TPH (C6 to C40) petroleum group** (CAS Number: TPH)

Description/Comments: Hazard statements taken from WM3 1st Edition 2015; Risk phrases: WM2 3rd Edition 2013

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

Hazard Statements: Aquatic Chronic 2 H411 , Repr. 2 H361d , Carc. 1B H350 , Muta. 1B H340 , STOT RE 2 H373 , Asp. Tox. 1 H304 , Flam. Liq. 3 H226

■ **ethylbenzene** (EC Number: 202-849-4, CAS Number: 100-41-4)

CLP index number: 601-023-00-4

Description/Comments:

Data source: Commission Regulation (EU) No 605/2014 – 6th Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP6)

Additional Hazard Statement(s): Carc. 2 H351

Reason for additional Hazards Statement(s):

03 Jun 2015 - Carc. 2 H351 hazard statement sourced from: IARC Group 2B (77) 2000

■ **salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex**

CLP index number: 006-007-00-5

Description/Comments: Conversion factor based on a worst case compound: sodium cyanide

Data source: Commission Regulation (EC) No 790/2009 - 1st Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP1)

Additional Hazard Statement(s): EUH032 >= 0.2 %

Reason for additional Hazards Statement(s):

14 Dec 2015 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

■ **pH** (CAS Number: PH)

Description/Comments: Appendix C4

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

Hazard Statements: None.

■ **acenaphthylene** (EC Number: 205-917-1, CAS Number: 208-96-8)

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 17 Jul 2015

Hazard Statements: Skin Irrit. 2 H315 , STOT SE 3 H335 , Eye Irrit. 2 H319 , Acute Tox. 1 H310 , Acute Tox. 1 H330 , Acute Tox. 4 H302

■ **acenaphthene** (EC Number: 201-469-6, CAS Number: 83-32-9)

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 17 Jul 2015

Hazard Statements: Aquatic Chronic 2 H411 , Aquatic Chronic 1 H410 , Aquatic Acute 1 H400 , Skin Irrit. 2 H315 , STOT SE 3 H335 , Eye Irrit. 2 H319

■ **fluorene** (EC Number: 201-695-5, CAS Number: 86-73-7)

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 06 Aug 2015

Hazard Statements: Aquatic Chronic 1 H410 , Aquatic Acute 1 H400

▪ **phenanthrene** (EC Number: 201-581-5, CAS Number: 85-01-8)

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 06 Aug 2015

Hazard Statements: Skin Irrit. 2 H315 , Aquatic Chronic 1 H410 , Aquatic Acute 1 H400 , Skin Sens. 1 H317 , Carc. 2 H351 , STOT SE 3 H335 , Eye Irrit. 2 H319 , Acute Tox. 4 H302

▪ **anthracene** (EC Number: 204-371-1, CAS Number: 120-12-7)

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 17 Jul 2015

Hazard Statements: Aquatic Chronic 1 H410 , Aquatic Acute 1 H400 , Skin Sens. 1 H317 , Skin Irrit. 2 H315 , STOT SE 3 H335 , Eye Irrit. 2 H319

▪ **fluoranthene** (EC Number: 205-912-4, CAS Number: 206-44-0)

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 21 Aug 2015

Hazard Statements: Aquatic Chronic 1 H410 , Aquatic Acute 1 H400 , Acute Tox. 4 H302

▪ **pyrene** (EC Number: 204-927-3, CAS Number: 129-00-0)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 2014

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 21 Aug 2015

Hazard Statements: Aquatic Chronic 1 H410 , Aquatic Acute 1 H400 , STOT SE 3 H335 , Eye Irrit. 2 H319 , Skin Irrit. 2 H315

▪ **indeno[123-cd]pyrene** (EC Number: 205-893-2, CAS Number: 193-39-5)

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 06 Aug 2015

Hazard Statements: Carc. 2 H351

▪ **benzo[ghi]perylene** (EC Number: 205-883-8, CAS Number: 191-24-2)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 28/02/2015

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 23 Jul 2015

Hazard Statements: Aquatic Chronic 1 H410 , Aquatic Acute 1 H400

Appendix B: Rationale for selection of metal species

arsenic {arsenic trioxide}

Reasonable case CLP species based on hazard statements/molecular weight and most common (stable) oxide of arsenic. Industrial sources include: smelting; main precursor to other arsenic compounds (edit as required)

beryllium {beryllium oxide}

Reasonable case CLP species based on hazard statements/molecular weight. Industrial sources include: most common (non alloy) form, used in ceramics (edit as required)

boron {diboron trioxide; boric oxide}

Reasonable case CLP species based on hazard statements/ molecular weight, physical form and low solubility. Industrial sources include: fluxing agent for glass/enamels; additive for fibre optics, borosilicate glass (edit as required)

cadmium {cadmium oxide}

Reasonable case CLP species based on hazard statements/molecular weight, very low solubility in water. Industrial sources include: electroplating baths, electrodes for storage batteries, catalysts, ceramic glazes, phosphors, pigments and nematocides. (edit as required) Worst case compounds in CLP: cadmium sulphate, chloride, fluoride & iodide not expected as either very soluble and/or compound's industrial usage not related to site history (edit as required)

chromium in chromium(III) compounds {chromium(III) oxide}

Reasonable case species based on hazard statements/molecular weight. Industrial sources include: tanning, pigment in paint, inks and glass (edit as required)

chromium in chromium(VI) compounds {chromium(VI) oxide}

Worst case CLP species based on hazard statements/molecular weight. Industrial sources include: production stainless steel, electroplating, wood preservation, anti-corrosion agents or coatings, pigments (edit as required)

copper {dicopper oxide; copper (I) oxide}

Reasonable case CLP species based on hazard statements/molecular weight and insolubility in water. Industrial sources include: oxidised copper metal, brake pads, pigments, antifouling paints, fungicide. (edit as required) Worse case copper sulphate is very soluble and likely to have been leached away if ever present and/or not enough soluble sulphate detected. (edit as required)

lead {lead chromate}

Worst case CLP species based on hazard statements/molecular weight (edit as required)

mercury {mercury dichloride}

Worst case CLP species based on hazard statements/molecular weight (edit as required)

nickel {nickel chromate}

Worst case CLP species based on hazard statements/molecular weight (edit as required)

selenium {selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex}

Harmonised group entry used as most reasonable case. Pigment cadmium sulphoselenide not likely to be present in this soil. No evidence for the other CLP entries: sodium selenite, nickel II selenite and nickel selenide, to be present in this soil. (edit as required)

zinc {zinc chromate}

Worst case CLP species based on hazard statements/molecular weight (edit as required)

cyanides {salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex}

Harmonised group entry used as most reasonable case as complex cyanides and those specified elsewhere in the annex are not likely to be present in this soil: [Note conversion factor based on a worst case compound: sodium cyanide] (edit as required)

Appendix C: Version

HazWasteOnline Classification Engine: **WM3 1st Edition v1.1, May 2018**

HazWasteOnline Classification Engine Version: 2020.42.4165.8301 (11 Feb 2020)

HazWasteOnline Database: 2020.42.4165.8301 (11 Feb 2020)

This classification utilises the following guidance and legislation:

WM3 v1.1 - Waste Classification - 1st Edition v1.1 - May 2018

CLP Regulation - Regulation 1272/2008/EC of 16 December 2008

1st ATP - Regulation 790/2009/EC of 10 August 2009

2nd ATP - Regulation 286/2011/EC of 10 March 2011

3rd ATP - Regulation 618/2012/EU of 10 July 2012

4th ATP - Regulation 487/2013/EU of 8 May 2013

Correction to 1st ATP - Regulation 758/2013/EU of 7 August 2013

5th ATP - Regulation 944/2013/EU of 2 October 2013

6th ATP - Regulation 605/2014/EU of 5 June 2014

WFD Annex III replacement - Regulation 1357/2014/EU of 18 December 2014

Revised List of Wastes 2014 - Decision 2014/955/EU of 18 December 2014

7th ATP - Regulation 2015/1221/EU of 24 July 2015

8th ATP - Regulation (EU) 2016/918 of 19 May 2016

9th ATP - Regulation (EU) 2016/1179 of 19 July 2016

10th ATP - Regulation (EU) 2017/776 of 4 May 2017

HP14 amendment - Regulation (EU) 2017/997 of 8 June 2017

13th ATP - Regulation (EU) 2018/1480 of 4 October 2018

POPs Regulation 2004 - Regulation 850/2004/EC of 29 April 2004

1st ATP to POPs Regulation - Regulation 756/2010/EU of 24 August 2010

2nd ATP to POPs Regulation - Regulation 757/2010/EU of 24 August 2010