Annex A

TITLE 25. ENVIRONMENTAL PROTECTION

Subpart D. ENVIRONMENTAL HEALTH AND SAFETY

ARTICLE VII. HAZARDOUS WASTE MANAGEMENT

CHAPTER 261a. IDENTIFICATION AND LISTING OF HAZARDOUS WASTE

SUBCHAPTER D. LISTS OF HAZARDOUS WASTE

APPENDIX IXa. WASTES EXCLUDED UNDER 25 PA CODE §260a.20 AND 40 CFR §§260.20 AND 260.22.

Table 2a. – Wastes Excluded from Specific Sources

(*Editor's Note:* The following addition to the appendix is new. It has been printed in regular type to enhance readability.)

Facility	Address	Waste description
Waste Management	100 New	Wastewater treatment sludge filter cake from the treatment of EPA
Disposal Systems of	Ford Mill	Hazardous Waste No. F039, generated at a maximum annual rate of
Pennsylvania, Inc.	Road,	4,000 cubic yards, after (<i>Editors Note:</i> The blank refers
	Morrisville,	to the effective date of adoption of this proposed rulemaking.) and
	PA 19067	disposed of in a RCRA Subtitle D landfill. The exclusion covers the filter
		cake resulting from the treatment of hazardous waste leachate derived
		from only the "old" Geological Reclamation Operations and Waste
		Systems, Inc. (GROWS) landfill and non-hazardous leachate derived
		from only non-hazardous waste sources. The exclusion does not address
		the waste disposed in the "old" GROWS landfill or the grit generated
		during the removal of heavy solids from the landfill leachate. To ensure
		that hazardous constituents are not present in the filter cake at levels of
		regulatory concern, WMDSPA must implement a testing program for the
		petitioned waste. This testing program must meet the conditions listed
		below in order for the exclusion to be valid:
		(1) Testing: Sample collection and analyses, including quality control
		(QC) procedures, must be performed using appropriate methods. As
		applicable to the method-defined parameters of concern, analyses
		requiring the use of SW-846 methods incorporated by reference in 40
		CFR 260.11 must be used without substitution. As applicable, the SW-
		846 methods might include Methods 0010, 0011, 0020, 0023A, 0030,
		0031, 0040, 0050, 0051, 0060, 0061, 1010A, 1020B, 1110A, 1310B,
		1311, 1312, 1320, 1330A, 9010C, 9012B, 9040C, 9045D, 9060A, 9070A
		(uses EPA Method 1664, Rev. A), 9071B, and 9095B.
		(i) Sample Collection: Each batch of waste generated over a 4-week
		period must be collected in containers with a maximum capacity of 20
		cubic yards. At the end of the 4-week period, each container must be
		divided into four quadrants and a single, full-depth core sample shall be
		collected from each quadrant. All of the full-depth core samples then

must be composited under laboratory conditions to produce one representative composite sample for the 4-week period.
(ii) Sample Analysis: Each 4-week composite sample must be analyzed for all of the constituents listed in Condition (3). The analytical data,
including quality control information, must be submitted to the
Pennsylvania Department of Environmental Protection, Bureau of Waste
Management, Rachel Carson State Office Building, 400 Market Street,
14th Floor, Harrisburg, PA 17105. Data from the annual verification
testing must be compiled and submitted to the Department within 60
days from the end of the calendar year. All data must be accompanied by
a signed copy of the statement set forth in 40 CFR 260.22(i)(12) to
certify to the truth and accuracy of the data submitted. Records of
operating conditions and analytical data must be compiled, summarized,
and maintained on-site for a minimum of 3 years and must be furnished
upon request by any employee or representative of the Department, and
made available for inspection.
(2) Waste Holding: The dewatered filter cake must be stored as hazardous until the verification analyses are completed. If the 4-week
composite sample does not exceed any of the delisting levels set forth in
Condition (3), the filter cake waste corresponding to this sample may be
managed and disposed in accordance with all applicable solid waste
regulations. If the 4-week composite sample exceeds any of the delisting
levels set forth in Condition (3), the filter cake waste generated during
the time period corresponding to the 4-week composite sample must be
retreated until it meets these levels (analyses must be repeated) or
managed and disposed in accordance with Subtitle C of RCRA. Filter
cake which is generated but for which analyses are not complete or valid
must be managed and disposed in accordance with Subtitle C of RCRA,
until valid analyses demonstrate that the waste meets the delisting levels.
(3) Delisting Levels: If the concentrations in the 4-week composite
sample of the filter cake waste for any of the hazardous constituents
listed below exceed their respective maximum allowable concentrations
(mg/l or mg/kg) also listed below, the 4-week batch of failing filter cake
waste must either be retreated until it meets these levels or managed and
disposed in accordance with Subtitle C of RCRA. WMDSPA has the
option of determining whether the filter cake waste exceeds the maximum allowable concentrations for the organic constituents by either
performing the analysis on a TCLP leachate of the waste or performing
total constituent analysis on the waste, and then comparing the results to
the corresponding maximum allowable concentration level.
(i) Inorganics Maximum Allowable
Leachate Conc. (mg/l)
Constituent:
Arsenic1.83e-01
Barium1.43e+01
Cadmium1.10e-01
Chromium5.00e+00
Lead5.00e+00
Mercury1.59e-02
Nickel5.52e+00
Selenium4.25e-01

	0.1 7.50 01		
	Silver7.50e-01		
	Cyanide2.64e+00	11 .111 1	
	Cyanide extractions must be conducted using		r in place of
	the leaching media specified in the TCLP pro		
	(ii) Organics	Maximum	Maximum
		allowable	allowable
		leachate	total conc.
		conc. (mg/l)	(mg/kg)
	Constituent:		
	Acetone	1.39e+01	2.78e+02
	Acetonitrile	3.25e+01	6.50e + 02
	Acetophenone	1.39e+01	2.78e+02
	Acrolein	2.60e+02	5.20e+03
	Acrylonitrile	4.76e-03	9.52e-02
	Aldrin	7.72e-06	1.54e-04
	Aniline	9.24e-01	1.85e+01
	Anthracene	4.88e+00	9.76e+01
	Benz(a)anthracene	2.56e-04	5.12e-03
	Benzene	8.86e-02	1.77e+00
	Benzo(a)pyrene	1.57e-05	3.14e-04
	Benzo(b)fluoranthene	1.42e-04	2.84e-03
	Benzo(k)fluoranthene	1.98e-03	3.96e-02
	Bis(2-chloroethyl)ether	1.95e-02	3.90e-01
	Bis(2-ethylhex yl)phthalate	1.19e-01	2.38e+00
	Bromodichloromethane	4.14e-02	8.28e-01
	Bromoform (Tribromomethane)	3.25e-01	6.50e+00
	Butyl-4,6-dinitrophenol, 2-sec-(Dinoseb)	1.39e-01	2.78e+00
	Butylbenzylphthalate	5.67e+00	1.13e+02
	Carbon disulfide	1.39e+01	2.78e+02
	Carbon tetrachloride	2.75e-02	
			5.50e-01
	Chlordane	6.79e-04	1.36e-02
	Chloro-3-methylphenol 4-	1.81e+02	3.62e+03
	Chloroaniline, p	5.57e-01	1.11e+01
	Chlorobenzene	2.79e+00	5.58e+01
	Chlorobenzilate	5.02e-02	1.00e+00
	Chlorodibromomethane	3.06e-02	6.12e-01
	Chloroform	4.75e-02	9.50e-01
	Chlorophenol, 2	6.97e-01	1.39e+01
	Chrysene	2.71e-02	5.42e-01
	Cresol	6.97e-01	1.39e+01
	DDD	7.74e-04	1.55e-02
	DDE	1.82e-04	3.64e-03
	DDT	3.42e-04	6.84e-03
	Dibenz(a,h)anthracene	7.43e-06	1.49e-04
	Dibromo-3-chloropropane, 1,2-	2.14e-03	4.28e-02
	Dichlorobenzene 1,3	1.36e-02	2.72e-01
	Dichlorobenzene, 1,2	7.60e+00	1.52e+02
	Dichlorobenzene, 1,4	1.07e-01	2.14e+00
	Dichlorobenzidine, 3,3'	5.71e-03	1.14e-01
	Dichlorodifluoromethane	1.28e+01	2.56e+02
	Dichloroethane, 1,1	7.33e-01	1.47e + 01
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Dichloroethane, 1,2	1.57e-03	3.14e-02
	4.28e-03	8.56e-02
Dichloroethylene, 1,1	4.28e-03 2.79e+00	5.58e+01
Dichloroethylene, trans-1,2-	4.18e-01	8.36e+01
Dichlorophenol, 2,4	4.18e-01 1.39e+00	2.78e+01
Dichlorophenoxyacetic acid, 2,4-(2,4-D)		
Dichloropropane, 1,2	6.93e-02	1.39e+00
Dichloropropene, 1,3	2.57e-02	5.14e-01
Dieldrin	8.28e+01	1.66e+03
Diethyl phthalate	1.35e+02	2.70e+03
Dimethoate	3.67e+01	7.34e+02
Dimethyl phthalate	7.33e+01	1.47e+03
Dimethylbenz(a)anthracene, 7,12-	2.05e-06	4.10e-05
Dimethylphenol, 2,4	2.79e+00	5.58e+01
Di-n-butyl phthalate	3.23e+00	6.46e+01
Dinitrobenzene, 1,3	1.39e-02	2.78e-01
Dinitromethylphenol, 4,6-,2-	1.32e-02	2.64e-01
Dinitrophenol, 2,4	2.79e-01	5.58e+00
Dinitrotoluene, 2,6	3.99e-03	7.98e-02
Di-n-octyl phthalate	6.83e-03	1.37e-01
Dioxane, 1,4	2.34e-01	4.68e+00
Diphenylamine	2.29e+00	4.58e+01
Disulfoton	2.32e+02	4.64e+03
Endosulfan	8.36e-01	1.67e+01
Endrin	2.00e-02	4.00e-01
Ethylbenzene	1.02e+01	2.04e+02
Ethylene Dibromide	2.52e-03	5.04e-02
Fluoranthene	3.15e-01	6.30e+00
Fluorene	1.08e+00	2.16e+01
Heptachlor	8.00e-03	1.60e-01
Heptachlor epoxide	8.00e-03	1.60e-01
Hexachloro-1,3-butadiene	1.28e-02	2.56e-01
Hexachlorobenzene	1.29e-04	2.58e-03
Hexachlorocyclohexane, gamma-(Lindane)	4.00e-01	8.00e+00
Hexachlorocyclopentadiene	8.61e+02	1.72e+04
Hexachloroethane	1.84e-01	3.68e+00
Hexachlorophene	1.91e-04	3.82e-03
Indeno(1,2,3-cd) pyrene	8.02e-05	1.60e-03
Isobutyl alcohol	4.18e+01	8.36e+02
Isophorone	2.70e+00	5.40e+01
Methacrylonitrile	1.39e-02	2.78e-01
Methoxychlor	1.00e+01	2.00e+02
Methyl bromide (Bromomethane)	7.80e+01	1.56e+03
Methyl chloride (Chloro-methane)	1.21e-02	2.42e-01
Methyl ethyl ketone	8.36e+01	1.67e+03
Methyl isobutyl ketone	1.11e+01	2.22e+02
Methyl methacrylate	2.11e+02	4.22e+03
Methyl parathion	7.74e + 01	1.55e+03
Methylene chloride	1.76e-01	3.52e+00
Naphthalene	2.53e-01	5.06e+00
Nitrobenzene	6.97e-02	1.39e+00
Nitrosodiethylamine	1.71e-05	3.42e-04

Nitrogodinathylomina	5.042.05	1.012.02
Nitrosodi n butylomina	5.04e-05	1.01e-03
Nitrosodi-n-butylamine	4.76e-04	9.52e-03
N-Nitrosodi-n-propylamine	3.67e-04	7.34e-03
N-Nitrosodiphenylamine	5.24e-01	1.05e+01
N-Nitrosopyrrolidine	1.22e-03	2.44e-02
Pentachlorobenzene	7.01e-03	1.40e-01
Pentachloronitrobenzene (PCNB)	6.64e-03	1.33e-01
Pentachlorophenol	5.44e-03	1.09e-01
Phenanthrene	1.27e-01	2.54e+00
Phenol	8.36e+01	1.67e+03
Polychlorinated biphenyls	3.99e-05	7.98e-04
Pronamide	1.04e+01	2.08e+02
Pyrene	2.41e-01	4.82e+00
Pyridine	1.39e-01	2.78e+00
Styrene	3.71e+00	7.42e+01
Tetrachlorobenzene, 1,2,4,5-	5.75e-03	1.15e-01
Tetrachloroethane, 1,1,2,2-	1.48e-01	2.96e+00
Tetrachloroethylene	5.22e-02	1.04e+00
Tetrachlorophenol, 2,3,4,6-	1.10e+00	2.20e+01
Tetraethyl dithiopyrophosphate (Sulfotep)	1.83e+05	3.66e+06
Toluene	2.79e+01	5.58e+02
Toxaphene	5.00e-01	1.00e+01
Trichlorobenzene, 1,2,4	4.41e-01	8.82e+00
Trichloroethane, 1,1,1	4.63e+00	9.26e+01
Trichloroethane, 1,1,2	4.76e-02	9.52e-01
Trichloroethylene	1.86e-01	3.72e+00
Trichlorofluoromethane	1.24e+01	2.48e+02
Trichlorophenol, 2,4,5	5.59e+00	1.12e+02
Trichlorophenol, 2,4,6	2.34e-01	4.68e+00
Trichlorophenoxyacetic acid, 2,4,5-(245-T)	1.39e+00	2.78e+01
Trichlorophenoxypropionic acid, 2,4,5-(Silvex)		2.78e+01 2.00e+01
Trichloropropane, 1,2,3	4.69e-04	9.38e-03
Trinitrobenzene, sym	3.96e+00	7.92e+01
· · · · · · · · · · · · · · · · · · ·	1.81e-03	7.92e+01 3.62e-02
Vinyl chloride		
Xylenes (total)	1.95e+02	3.90e+03
(4) Changes in Operating Conditions: If WMDS		
the treatment process or the chemicals used in the	_	
WMDSPA may not manage the treatment sludg	•	_
from the new process under this exclusion until		
conditions: (a) WMDSPA must demonstrate that		
delisting levels set forth in Condition 3; (b) it m		
new hazardous constituents listed in Appendix V		
have been introduced into the manufacturing or		
(c) it must obtain prior written approval from th	e Departmen	t to manage
the waste under this exclusion.		
(5) Reopener:		
(i) If WMDSPA discovers that a condition at the	e facility or a	n
assumption related to the disposal of the exclude		
modeled or predicted in the petition does not oc		
predicted, then WMDSPA must report any infor		
condition, in writing, to the Department within		
condition, in writing, to the Department within	io days of di	500 1011115

that condition.
(ii) Upon receiving information described in subparagraph (i) of this
Condition, regardless of its source, the Department will determine
whether the reported condition requires further action. Further action
may include repealing the exclusion, modifying the exclusion, or other
appropriate response necessary to protect human health and the
environment.