

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.)

<u>Facility</u>	<u>Address</u>	<u>Waste description</u>
Waste Management Disposal Systems of Pennsylvania, Inc.	100 New Ford Mill Road, Morrisville, PA 19067	Wastewater treatment sludge filter cake from the treatment of EPA Hazardous Waste No. F039, generated at a maximum annual rate of 4,000 cubic yards, after _____ (<i>Editors Note: The blank refers to the effective date of adoption of this proposed rulemaking.</i>) and 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

		Silver.....7.50e-01 Cyanide.....2.64e+00 Cyanide extractions must be conducted using distilled water in place of the leaching media specified in the TCLP procedure.		
		(ii) Organics	Maximum allowable leachate conc. (mg/l)	Maximum allowable total conc. (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

	Dichloroethane, 1,2-.....	1.57e-03	3.14e-02
	Dichloroethylene, 1,1-.....	4.28e-03	8.56e-02
	Dichloroethylene, trans-1,2-	2.79e+00	5.58e+01
	Dichlorophenol, 2,4-.....	4.18e-01	8.36e+00
	Dichlorophenoxyacetic acid, 2,4-(2,4-D)	1.39e+00	2.78e+01
	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

		Nitrosodimethylamine.....	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)	1.00e+00	2.00e+01
		Trichloropropane, 1,2,3-...	4.69e-04	9.38e-03
		Trinitrobenzene, sym-.....	3.96e+00	7.92e+01
		Vinyl chloride.....	1.81e-03	3.62e-02
		Xylenes (total).....	1.95e+02	3.90e+03
		(4) Changes in Operating Conditions: If WMDSPA significantly changes the treatment process or the chemicals used in the treatment process, WMDSPA may not manage the treatment sludge filter cake generated from the new process under this exclusion until it has met the following conditions: (a) WMDSPA must demonstrate that the waste meets the delisting levels set forth in Condition 3; (b) it must demonstrate that no new hazardous constituents listed in Appendix VIII of 40 CFR Part 261 have been introduced into the manufacturing or treatment process; and (c) it must obtain prior written approval from the Department to manage the waste under this exclusion.		
		(5) Reopener:		
		(i) If WMDSPA discovers that a condition at the facility or an assumption related to the disposal of the excluded waste that was modeled or predicted in the petition does not occur as modeled or predicted, then WMDSPA must report any information relevant to that condition, in writing, to the Department within 10 days of discovering		

		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.