Ohio Environmental Protection Agency

Mike DeWine, Governor
Jon Husted, Lt. Governor
Laurie A. Stevenson, Director

JANUARY 23, 2020

Mr. Edward Walker
Supervisor
Wastewater Treatment Division
966 Towler Road
Xenia, OH 45383

Re: Xenia Municipal Landfill
Director's Authorization
Approval
Municipal Solid Waste Landfills
Greene County
MSWL019868

Subject: Xenia Municipal Landfill, Greene County
Ohio Administrative Code (OAC) Rule 3745-27-10(E)(4) Approval

Ohio EPA JAN 23 '20
Entered Directors Journal

Dear Mr. Walker:

On December 18, 2019, the Ohio Environmental Protection Agency (Ohio EPA), Division of Materials and Waste Management (DMWM), Southwest District Office (SWDO) received a request, dated December 17, 2019, titled, "Request for Director's Approval to Delete Select Compounds from the Groundwater Monitoring Programs at the Closed Xenia Municipal Landfill." The document was submitted in accordance with OAC Rule 3745-27-10(E)(4) by Wood Environmental and Infrastructure Solutions, Inc., on behalf of the city of Xenia, and requested to remove compounds from the list of Appendix II ground water monitoring parameters to be analyzed in monitoring wells at Xenia Municipal Landfill (Facility), located at 966 Towler Road, Xenia, Ohio. The compounds requested for removal are listed in the enclosed Attachment.

Pursuant to OAC Rule 3745-27-10(E)(4), upon written request of the owner or operator, the director may delete any of the monitoring parameters contained in Appendix II of OAC Rule 3745-27-10 for a sanitary landfill facility if the owner or operator can show that the deleted constituents are not reasonably expected to be in or derived from the waste contained in the sanitary landfill.

I have reviewed the applicable information and approve removing the compounds from further assessment ground water monitoring at the Facility. The Facility shall continue monitoring all wells in the monitoring system for the remaining parameters listed in Appendix II in accordance with OAC Rule 3745-27-10, unless otherwise authorized by Ohio EPA.

You are hereby notified that this action of the Director is final and may be appealed to the Environmental Review Appeals Commission pursuant to Ohio Revised Code Section 3745.04. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. The appeal must be filed with the Commission

within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of $70.00 made payable to "Treasurer, State of Ohio." The Commission, in its discretion, may reduce the fee if by affidavit it is demonstrated that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of the appeal shall be filed with the Director within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
30 East Broad Street, 4th Floor
Columbus, Ohio 43215

If you have any questions concerning this letter, please contact Matthew Justice of Ohio EPA, SWDO at (937) 285-6040.

Sincerely,

Laurie A. Stevenson
Director, Ohio EPA

Attachment

ec: Michelle Ackenhausen, DMWM, SWDO
Matthew Justice, DMWM, SWDO
Jeremy Carroll, DMWM, CO
Jackie Gruza, Greene County Public Health

Attachment

Appendix II Compound Number	Compound	CAS RN
001	Acenaphthene; 1,2-Dihydroacenaphthylene	83-32-9
002	Acenaphthylene	208-96-8
004	Acetonitrile; Methyl cyanide	75-05-8
005	Acetophenone; 1-Phenylethanone	98-86-2
006	2-Acetylaminoflourene; 2-AAF; N-9H-flouren-2-yl-acetamide	53-96-3
007	Acrolein; 2-Propenal	107-02-8
009	Aldrin; l,2,3,4,10,10-hexachlora-l,4,4a,5,8,8ahexahydro(la,4a,4ab,5a,8a,8ab)-l,4:5,8-Dimethanonaphthalene	309-00-23
010	Allyl chloride; 3-Chloro-1-propene	107-05-1
011	4-Aminobiphenyl; [l, l'-Biphenyl]-4-amine	92-67-1
012	Anthracene	120-12-7
017	Benzo[a]anthracene; Benzanthracene	56-55-3
018	Benzo[b]flouranthene; Benz[e]acephenanthylene	205-99-2
019	Benzo[k]flouranthene	207-08-9
020	Benzo[ghi]perylene	191-24-2
021	Benzo[a]pyrene	50-32-8
022	Benzyl alcohol; Benzenemethanol	100-51-6
024	alpha-BHC; 1,2,3,4,5,6-Hexachlorocyclohexane, (la,2a,3b,4a,5b,6b)	319-84-63
025	beta-BHC; 1,2,3,4,5,6-Hexachlorocyclohexane, (la,2b,3a,4b,5a,6b)	319-85-73
026	delta-BHC; 1,2,3,4,5,6-Hexachlorocyclohexane, (la,2a,3a,4b,5a,6b)	319-86-83
027	gamma-BHC; Lindane; 1,2,3,4,5,6-Hexachlorocyclo hexane, (la,2a,3b,4a,5a, 6b)	58-89-9
028	bis (2-Chloroethoxy) methane; 1,1'- [methylenebis(oxy)] bis[2- chloroethane]	111-91-1
029	bis(2-Chloroethyl) ether; Dichloroethyl ether; l, l'-oxybis[2-Chloroethane]	111-44-4
030	bis-(2-Chloro-l-methylethyl) Ether; 2,2'-Dichlorodi-isopropyl ether; DCIP; 2,2'-oxybis[l-Chloropropane]	108-60-1
031	bis(2-Ethylhexyl) Phthalate; 1,2-Benzenedicarboxylic acid, bis (2- Ethylhexyl) ester	117-81-7
035	4-Bromophenyl phenyl ether; 1-Bromo-4-phenoxy-benzene	101-55-3

036	Butyl benzyl phthalate; Benzyl butyl phthalate; 1,2-Benzenedicarboxylic acid, Butyl phenylmethyl ester	85-68-7
040	Chlordane; 1,2,4,5,6,8,8-octochloro-2,3,3a,4,7,7a-hexahydro-4,7- methano-1H-indene.	5103-71-9, 5103-74-2, 5566-34-7, 57-74-9, 12789-29-6
041	p-Chloroaniline; 4-Chlorobenzenamine	106-47-8
043	Chlorobenzilate; 4-Chloro-a-(4-Chlorophenyl)-a-Hydroxybenzeneacetic acid, Ethyl ester	510-15-6
044	p-Chloro-m-Cresol; 4-Chloro-3-Methylphenol	59-50-7
047	2-Chloronaphthalene	91-58-7
048	2-Chlorophenol	95-57-8
049	4-Chlorophenyl phenyl ether; l-Chloro-4-phenoxy benzene	7005-72-3
050	Chloroprene; 2-Chloro-1,3-butadiene	126-99-8
052	Chrysene	218-01-9
055	m-Cresol; 3-Methylphenol	108-39-4
056	o-Cresol; 2-Methylphenol	95-48-7
057	p-Cresol; 4-Methylphenol	106-44-5
058	Cyanide	57-12-5
059	2,4-D; 2,4-Dichlorophenoxyacetic acid	94-75-7
060	4,4'-DDD; 1,1'-(2,2-Dichloroethylidene) bis [4- chlorobenzene]	72-54-8
061	4,4'-DDE; l,1'-(2,2-Dichloroethyenylidene) bis [4- chlorobenzene]	72-55-9
062	4,4'-DDT; l,1'-(2,2,2-Trichloroethylidene) bis [4- chlorobenzene]	50-29-3
063	Diallate; bis(l-Methylethyl)-carbamothoic acid S-(2,3-Dichloro-2- propenyl) ester	2303-16-4
064	Dibenz [a, h] anthracene	53-70-3
065	Dibenzofuran	132-64-9
069	Di-n-butyl phthalate; 1,2-Benzenedicarboxylic acid dibutyl ester	84-74-2
071	m-Dichlorobenzene; 1,3-Dichlorobenzene	541-73-1
073	3,3'-Dichlorobenzidine; 3,3 1 -Dichloro- [1,1 1 -bi phenyl]-4,4 1 -diamine	91-94-1
075	Dichlorodifluorornethane; CFC 12	75-71-8
081	2, 4-Dichlorophenol	120-83-2
082	2, 6-Dichlorophenol	87-65-0
084	1,3-Dichloropropane; Trimethylene dichloride	142-28-9
085	2,2-Dichloropropane; Isopropylidene chloride	594-20-7
086	1,1-Dichloropropene; 1,1-Dichloro-l-propene	563-58-6

089	Dieldrin; 3,4,5,6,9,9-Hexachloro-la,2,2a,3,6,6a, 7,7a-octahydro-2,7:3,6-dirnethanonaphthalene [2,3-b]oxirene, (laa,2b,2aa,3b,6b,6aa,7b,7aa)	60-57-1
090	Diethyl phthalate; 1,2-Benzenedicarboxylic acid, Diethyl ester	84-66-2
091	0,0-Diethyl 0-2-Pyrazinyl phosphorothioate; Thionazin	297-97-2
092	Dirnethoate; Phosphorodithoic acid 0,0-Dimethyl-S-[2- (rnethylamino)-2-oxoethyl] ester	60-51-5
093	p-(Dimethylamino) azobenzene; N, N-Dimethyl-4- (phenylazo)benzenamine	60-11-7
094	7, 12-Dimethylbenz [a] anthracene	57-97-6
095	3,3'-Dirnethylbenzidene; 3,3'-Dirnethyl [l, l'biphenyl]-4,4'-diarnine	119-93-7
096	2, 4-Dirnethylphenol; m-Xylenol	105-67-9
097	Dimethyl phthalate; 1,2-Benzenedicarboxylic acid, dimethyl ester	131-11-3
098	m-Dinitrobenzene	99-65-0
099	4,6-Dinitro-o-cresol; 4,6-Dinitro-2-rnethylphenol; 2-Methyl 4,6-dinitrophenol	534-52-1
100	2,4-Dinitrophenol	51-28-5
101	2,4-Dinitrotoluene; l-Methyl-2,4-dinitrobenzene	121-14-2
102	2,6-Dinitrotoluene; 2-Methyl-1,3-dinitrobenzene	606-20-2
104	Di-n-octyl phthalate; 1,2-Benzenedicarboxylic acid, Dioctyl ester	117-84-0
105	Diphenylarnine; N-phenylbenzenamine	122-39-4
106	Disulfoton; Phosphorodithioic acid 0,0-diethyl8- [2-(ethylthio) ethyl] ester	298-04-4
107	Endosulfan I; 6,7,8,9,10,10-Hexachloro-l,5, Sa,6,9, 9a- hexahydro-6,9- methano-2,4,3-benzodioxa thiepin, 3- oxide	959-98-8
108	Endosulfan II, 6, 7, 8, 9, 10, 10-Hexachloro-1, 5, 5a, 6, 9, 9a-hexahydro-6,9-methano-2,4,3-benzodioxa thiepin, 3-oxide (3a, 5aa, 6b, 9b, 9aa)	33213-65-93
109	Endosulfan sulfate; 6,7,8,9,10,10-hexachloro-l,5,5a,6,9, 9a-hexahydro-6,9-methano-2,4,3-benzodioxa thiepin, 3-3-dioxide	1031-07-8
110	Endrin; 3,4,5,6,9,9-hexachloro-la,2,2a,3,6,6a,7,7a-octahydro-2,7:3, 6-dimethanonaphth[2,3-tahydro-b] oxirene, (laa,2b,2ab,3a,6a,6ab,7b,7aa)	72-20-8
111	Endrin aldehyde; 2,2a,3,3,4,7-hexachlorodecahydro-1, 2,4- methenocyclopenta[cd]pentalene-5-carboxaldehyde, (la,2b,2ab,4b,4ab,5b,6ab,6bb,7r*)	7421-93-4

113	Ethyl methacrylate; 2-Methyl-2-propenoic acid, ethyl ester	97-63-2
114	Ethyl methanesulfonate; Methanesulfonic acid, ethyl ester	62-50-0
115	Famphur; Phosphorothioic acid, 0-[4-[(dimethylamino) sulfonyl] phenyl] O, O-dimethyl ester	52-85-7
116	Flouranthene	206-44-0
117	Flourene; 9H-flourene	86-73-7
118	Heptachlor; l,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methano-1H-indene	76-44-8
119	Heptachlor epoxide; 2,3,4,5,6,7,7-Heptachloro- la, lb,5,5a,6,6a- hexahydro-2,5-methano-2h-indeno [1,2-b] oxirene, (laa, lbb,2a,5a,5ab,6b,6aa)	1024-57-3
120	Hexachlorobenzene	118-74-1
121	Hexachlorobutadiene; 1,1,2,3,4,4-Hexachloro-l,3-butadiene	87-68-3
122	Hexachlorocyclopentadiene; 1,2,3,4,5,5-Hexachloro-l, 3-cyclopentadiene	77-47-4
123	Hexachloroethane	67-72-1
124	Hexachloropropene; l, l, 2,3,3,3-Hexachloro-l-propene	1888-71-7
126	Indeno(l,2,3-cd) pyrene	193-39-5
127	Isobutyl alcohol;2-Methyl-l-propanol	78-83-1
128	Isodrin; l,2,3,4,10,10-Hexachloro-l,4,4a,5,8,8a-hexahydro-l,4,5,8- dimethanonaphthalene, (la,4a,4ab,5b,8b,8ab)	465-73-6
129	Isophorone; 3, 5, 5-Trimethyl-2-cyclohexen-l-one	78-59-1
130	Isosafrole; 5-(l-Propenyl)-1,3-benzodioxole	120-58-1
131	Kepone; l,la,3,3a,4,5,5a,5b,6-decachlorocta hydro-l,3,4-methano-2H- cyclobuta[cd9]pentalen-2-one	143-50-0
133	Mercury	Total
134	Methacrylonitrile; 2-Methyl-2-propenenitrile	126-98-7
135	Methapyrilene; N, N-dimethyl-N'-2-pyridinyl-N'-/2- thienylmethyl)-1,2- ethanediamine	91-80-5
136	Methoxychlor; l,l'-(2,2,2-Trichloroethylidene)bis [4-Methoxybenzene]	72-43-5
139	3-Methylcholanthrene; 1,2-Dihydro-3-methylbenze [j] aceanthrylene	56-49-5
142	Methyl methacrylate; 2-Methyl-2-propenoic acid, methyl ester	80-62-6
143	Methyl methanesulfonate; Methanesulfonic acid, methyl ester	66-27-3
144	2-Methylnaphthalene	91-57-6
145	Methyl parathion; Parathion methyl; Phosphorothioic acid, 0,0-dimethyl 0-(4-nitrophenyl) ester	298-00-0
149	Naphthalene	91-20-3

150	1,4 Naphthoquinone; 1,4-Naphthalenedione	130-15-4
151	1-Naphthylamine; 1-Naphthalenamine	134-32-7
152	2-Naphthylamine; 2-Naphthalenamine	91-59-8
154	o-Nitroaniline; 2-Nitroaniline; 2-Nitrobenzenamine	88-74-4
155	m-Nitroaniline; 3-Nitroaniline; 3-Nitrobenzenamine	99-09-2
156	p-Nitroaniline; 4-Nitroaniline; 4-Nitrobenzenamine	100-01-6
157	Nitrobenzene	98-95-3
158	o-Nitrophenol; 2-Nitrophenol	88-75-5
159	p-Nitrophenol; 4-Nitrophenol	100-02-7
160	N-Ni trosodi-n-butylamine; N-Butyl-N-Ni troso-1-butanamine	924-16-3
161	N-Nitrosodiethylamine; N-Ethyl-N-nitroso ethanamine	55-18-5
162	N-Nitrosodimethylamine; N-Methyl-N-nitroso methananmine	62-75-9
163	N-Nitrosodiphenylamine; N-Nitroso-N-phenyl benzenamine	86-30-6
164	N-Nitrosodipropylamine; N-Nitroso-N-dipropylamine; di-n-propylnitrosamine; N-Nitroso-N-propyl- 1-propanamine	621-64-7
165	N-Nitrosomethylethylamine; N-Methyl-N-nitroso ethanamine	10595-95-6
166	N-Nitrosopiperidine; 1-Nitrosopiperidine	100-75-4
167	N-Nitrosopyrrolidine; I-N1trosopyrrolidine	930-55-2
168	5-Nitro-o-toluidine; 2-Methyl-5-nitrobenzenamine	99-55-8
169	Parathion; Phosphorothioic acid, 0,0-diethyl 0-(4-nitrophenyl) ester	56-38-2
170	Pentachlorobenzene	608-93-5
171	Pentachloronitrobenzene	82-68-8
172	Pentachlorophenol	87-86-5
173	Phenacetin; N-(4-Ethoxyphenyl) acetamide	62-44-2
174	Phenanthrene	85-01-8
175	Phenol	108-95-2
176	p-Phenylenediamine; 1,4-Benzenediamine	106-50-3
177	Phorate; Phosphorodithioic acid, 0,0-Diethyl S-[(ethylthio) methyl) ester	298-02-2
178	Polychlorinated biphenyls; PCBs; aroclors; 1,1'-Biphenyl, chloro derivatives	1336-36-3, 12674-11-2, 11104-28-2 11141-16-5, 53469-21-9, 12672-29-6, 11097-69-1, 11096-82-5
179	Pronamide; 3,5-Dichloro-N-(1,1-dimethyl-2-propynyl) benzamide	23950-58-5

180	Propionitrile; Ethyl cyanide	107-12-0
181	Pyrene	129-00-0
182	Safrole; 5- (2-Propenyl) -1,3-benzodioxole	94-59-7
185	Silvex; 2,4,5-TP; 2-(2,4,5-Trichlorophenoxy) propanoic acid	93-72-1
187	Sulfide	18496-25-8
188	2,4,5-T; 2,4,5-Trichlorophenoxyacetic acid	93-76-5
189	1, 2, 4, 5-Tetrachlorobenzene; 2,3,7,8-TCDD; 2,3,7,8-Tetrachlorodibenzo- p-dioxin 1746-01-6 Dibenzo[b,e][1,4]dioxin, 2,3,7,8- tetrachloro-	95-94-3
193	2,3,4,6-Tetrachlorophenol	58-90-2
195	Tin	Total
197	o-Toluidine; 2-Methylbenzenamine	95-53-4
198	Toxanhene	8001-35-2
199	1,2,4-Trichlorobenzene	120-82-1
204	2,4,5-Trichlorophenol	95-95-4
205	2,4,6-Trichlorophenol	88-06-2
207	o,o,o-Triethyl phosphorothioate; Phosphorothioic acid, o,o,o-triethyl ester	126-68-1
208	sym-Trinitrobenzene; 1,3,5-Trinitrobenzene	99-35-4

Appendix II Compound Number as listed in OAC 3745-27-10

CAS RN as listed in OAC 3745-27-10