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 From:
 McGill, Richard

 To:
 Brown, Don

 Cc:
 Horton, Vanessa

Subject: FW: R18-26 proposed first notice changes Date: Monday, February 27, 2023 5:05:13 PM

Attachments: <u>image001.png</u>

<u>35-617 Board responses.pdf</u> <u>35-617RG-P r01 (46-22).pdf</u>

Good evening, Mr. Clerk:

Please docket this email exchange with JCAR, including the two attachments, as a public comment in R18-26.

Thank you.

Richard R. McGill, Jr.
Senior Attorney for Research & Writing
Illinois Pollution Control Board
60 E. Van Buren St., Suite 630
Chicago, Illinois 60605
richard.mcgill@illinois.gov (312) 814-6983



From: McGill, Richard

Sent: Monday, February 27, 2023 4:57 PM **To:** Eastvold, Jonathan C. < Jonathan E@ilga.gov> **Subject:** RE: R18-26 proposed first notice changes

Good evening, Jonathan:

I've attached two documents. The first document contains Board staff responses to your proposed Part 617 changes emailed to me on June 24, 2022. The second document is the JCAR line-numbered r01 referenced in your changes and our responses. Our responses include related changes prompted by your suggestions.

Thank you for your careful review. Please let me know if you have any questions.

Best regards,

Richard

Richard R. McGill, Jr.
Senior Attorney for Research & Writing
Illinois Pollution Control Board
60 E. Van Buren St., Suite 630
Chicago, Illinois 60605

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richard.mcgill@illinois.gov (312) 814-6983



From: Eastvold, Jonathan C. < <u>Jonathan E@ilga.gov</u>>

Sent: Friday, June 24, 2022 9:39 AM

To: McGill, Richard < <u>Richard.McGill@illinois.gov</u>>

Subject: [External] R18-26 proposed first notice changes

Here are some possible technical changes, sorted by Part, for the Board to consider. Any of these changes that you wish to make can be simply copied into your first notice changes document.

Thanks in advance for your consideration.

Sincerely,

Jonathan C. Eastvold, Ph.D. Rules Analyst III

Illinois General Assembly
Joint Committee on Administrative Rules
700 Stratton Building
Springfield IL 62706
217-524-9010

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From: Eastvold, Jonathan C. <Jonathan E@ilga.gov>

Sent: Friday, June 24, 2022 9:39 AM

To: McGill, Richard < Richard. McGill@illinois.gov > **Subject:** [External] R18-26 proposed first notice changes

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Thanks in advance for your consideration.

Sincerely,

Jonathan C. Eastvold, Ph.D. Rules Analyst III

Illinois General Assembly Joint Committee on Administrative Rules 700 Stratton Building Springfield IL 62706 217-524-9010

Board staff responses and related changes (2/27/23) appear in bold, red font below.

Rulemaking: Regulated Recharge Areas (35 Ill. Adm. Code 617; 46 Ill. Reg. 8840)

Changes:

- 1. In line 49, after "delineated" add a comma. Disagree. Delete "defined,".
- 2. In line 50, strike "/17.4".
 - a. Disagree. Because the sentence refers not to the Act generally but rather to a specific section of the Act, we must cite the specific section. b. In line 57, delete "will" and add "are". Strike "be".
- 3. In line 59, strike "/1". **Agree.**
- 4. In line 67, strike "30 day" and add "30-day". **Agree.**
- 5. In line 91, strike "dwelling" and add "dwellings".

 a. Disagree. The words "multiple dwelling", which are used in 40 CFR 146.5(e)(2), function as an adjective, modifying "cesspools". After "community" add a comma.

 b. In line 92, strike ", which" and add "that".

- 6. In line 94, strike "single family" and add "single-family".

 Agree.
- 7. In line 113, strike "mined out" and add "mined-out".

 Agree.
- 8. In lines 118-119, strike "single family" and add "single-family".

 Agree.
- 9. In line 122, strike "the purpose of". **Agree.**
- 10. In line 123, strike "non-oil" and add "non-oil-". a. Agree. Strike "-gas producing" and add "non-gas-producing". b. Agree.
 c. In line 142, delete ", but not limited to,".
- 11. In line 143, after "of" add a comma. Agree.
- 12. In line 163, strike "Low level" and add "<u>Low-level</u>". **Agree.**
- 13. In line 164, after "fuel" add a comma. Agree.
- 14. In line 176, strike "A" and add " \underline{An} ". Agree but no italics.
- 15. In line 178, after "waste" add a comma.

 Agree (the second "waste").
- 16. In line 179, strike "A" and add "<u>An</u>". **Agree but no italics.**
- 17. In line 181, after "as" strike "a" and add "an".
 a. Agree but no italics.
 b. In line 194, strike "Such reconstruction" and add "Reconstruction is considered".
 Delete "must". Strike "be deemed".
 c. In line 195, strike "where" and add "if".
- 18. In line 196, strike "exceed" and add "exceeds".

 Agree.
- 19. In line 251, strike the comma.a. Agree.b. In line 261, delete "must" and add "is". Strike "be".

- 20. In line 262, strike "where" and add "when".
 - a. Disagree. Strike "where" and add "if".
 - b. In line 263, strike "exceed" and add "exceeds".
- 21. In line 336, strike "7.5 minute" and add "7.5-minute".
 - a. Agree.
 - b. In lines 339-40, strike "but not limited to".
- 22. In line 349, after "above which" add a comma. **a. Agree.** After "oils" add a comma. **b.** Agree.
- 23. In line 351, after "dike" add a comma. Agree.
- 24. In line 352, after "oils" add a comma. Agree.
- 25. In line 360, strike the parentheses. **Agree.**
- In line 364, strike "stat" and add "Stat". a. Agree. Strike "(42 USC 2011 et seq.)" and add "(42 U.S.C. 2011 et seq.)". b. Agree.
 c. In lines 389 and 396, delete "defined" and restore "delineated".
- 27. In line 398, strike "low level' and add "low-level".
 - a. Agree.
 - b. In line 406, strike "the purpose of".
 - c. In lines 410 and 416, delete "defined" and restore "delineated".
 - d. In line 420, strike "where" and add "if".
- 28. In line 422, strike "exceed" and add "exceeds".
 - a. Agree.
 - b. In line 427, delete "defined" and restore "delineated".
- 29. In line 435, strike the comma.
 - a. Agree. Strike "to".
 - b. In line 440, delete "submit" and add "file".
 - c. In line 441, delete "to" and add "with". Delete "beginning" and add "the commencement of". See Section 615.102 ("commencement of construction" is a defined term).
 - d. In line 448, strike "such" and add "the".
- 30. In line 450, strike "300 animal" and add "300-animal". Agree.

- 31. In line 455, strike "are not applicable" and add "do not apply". Agree.
- 32. In line 456, strike "such" and add "<u>the</u>". **Agree.**
- 33. In line 462, after "drawn to" add "a".
 - a. Agree.
 - b. In line 483, strike "7" and add "seven".
 - c. In line 494, after "that" add "the Agency hold". Strike "be held".
 - d. In line 498, after "after" add "<u>receiving</u>". Strike "response" and add "<u>request</u>". Delete "is received".
- 34. In line 501, strike "days" and add "<u>days'</u>". **a. Agree.** Strike "prior to" and add "<u>before</u>". **b. Agree.**
 - c. In line 518, delete "subsections" and add "subsection".
 - d. In line 519, delete "(h)(1) or (h)(2)" and add "(h)(2) or (h)(3)".
 - e. In line 523, delete "<u>receipt of</u>" and add "<u>receiving</u>". After "response" add "<u>under subsection (i)</u>".
- 35. In line 525, after "assessment" reinstate the stricken space.
 - a. Agree. Delete "under" and strike "subsection (i)".
 - b. In line 526, after "period" add "of subsection (i)".
- 36. In line 526, strike "30 day" and add "30-day".
 - a. Agree.
 - b. In line 526, after "further" add "Agency".
 - c. In line 527, after "statement" add "<u>issued under subsection (h)</u>". Strike "initially issued" and add "the Agency's final statement".
 - d. In line 529, after "may" add "<u>start</u>". After "only" delete "<u>begin</u>". After "after" add "the Agency issues".
 - e. In line 530, strike "by the Agency" and delete "is issued".
 - f. In line 533, strike "on or before the 35th day" and add "<u>within 35 days</u>". After "after" add "<u>receiving</u>". Delete "<u>is issued</u>".
- 37. In line 535, strike "set forth". **Agree.**
- 38. In line 541, strike the second comma. Agree.
- 39. In line 546, after "impounding" add a comma. **Agree.**
- 40. In lines 555-556, strike "the purpose of". **Agree.**

- 41. In line 562, strike "the purpose of". **Agree.**
- 42. In line 613, after "sites" add a comma.a. Agree.b. In line 614, delete "defined" and restore "delineated".
- 43. In line 621, after "units" add a comma. Agree.
- 44. In line 636, strike "impacts" and add "impact". a. Agree. Strike "Federal" and add "federal". b. Agree.
- 45. In lines 639 and 640, strike the comma. Agree.
- 46. In line 656, after "days" add "before".

 a. Agree. Delete "Within" and add "At least". Delete "construction begins" and add "the commencement of construction". See Section 615.102 ("commencement of construction" is a defined term).

 b. In line 657, after "secondary" add a comma.
- 47. In line 672, strike "the manner in which" and add "how". Agree.
- 48. In line 681, strike "as". **Agree.**
- 49. In line 707, strike "25 year" and add "<u>25-year</u>". **Agree.**
- 50. In line 708, strike "24 hour" and add "<u>24-hour</u>". **Agree.**
- 51. In lines 715-716 and 720, strike "pre-fabricated" and add "prefabricated". Agree. Also in lines 701, 704-05, and 724.
- 52. In line 721, strike the comma.
 - a. Agree.
 - b. In line 723, strike ", which" and add "that".
 - c. In line 733, after "617.225" add "<u>at least</u>". After "before" add "<u>the commencement of</u>". *See* Section 615.102 ("commencement of construction" is a defined term).
 - d. In line 734, delete "begins".

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- 53. In line 744, strike the comma. **Agree.**
- 54. In line 775, strike "cost effective" and add "cost-effective".

 Agree.
- 55. In line 783, after "once" strike the comma. **Agree.**
- 56. In line 796, strike the comma.

 Agree. Strike "his" and add "the owner's or operator's". Strike "such" and add "the".

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TITLE 35: ENVIRONMENTAL PROTECTION

1		7	TITLE 35: ENVIRONMENTAL PROTECTION	
2	SUBTITLE F: PUBLIC WATER SUPPLIES			
3	CHAPTER I: POLLUTION CONTROL BOARD			
4				
5			PART 617	
6			REGULATED RECHARGE AREAS	
7				
8			SUBPART A: GENERAL	
9				
10	Section			
11	617.101	Purpose		
12	617.102	Definition	18	
13	617.110		tion by Reference	
14	617.115	Scope	tion by recipionee	
15	617.120	Prohibitio	ing	
16	617.125		Area Suitability Assessment	
17	617.130	_	gy Control Regulations	
18	617.135		ed and Improperly Plugged Well Assistance Program	
19	617.140		Area Road Sign Posting	
20	017.140	Recharge	Area Road Sign I Osting	
21	CHED	ADT B. DI	EASANT VALLEY PUBLIC WATER DISTRICT REGULATED	
22	зоы	AKI D. IL	RECHARGE AREA	
23			RECHARGE AREA	
24	Section			
25	617.200	Purpose		
26	617.205	Applicabi	1447	
27	617.210	* *	on of Potential Sources and Routes of Groundwater Contamination	
28	617.215	_	Area Registration Meeting	
		_	<u> </u>	
29	617.220	_	nent Systems for Potential Sources	
30	617.225	Training	Program for Potential Tertiary Sources	
31	C17 A DDENI	DIVA	Describe of the Discount Weller Dublic Water District Described	
32	617.APPEN	DIX A	Boundary of the Pleasant Valley Public Water District Regulated	
33	C17 A DDEN	DIVD	Recharge Area	
34	617.APPEN	DIX B	Potential Route and Source Registration Form	
35	ATTELLODIE	35.7 F 1		
36	AUTHORITY: Implementing Section 17.4 and authorized by Section 27 of the Environmenta Protection Act [415 ILCS 5/17.4 and 27].			
37	Protection A	ct [415 ILC	S 5/17.4 and 27].	
38	govin an		200 5 - 46 TI D	
39		-	889-5 at 16 Ill. Reg. 1639, effective January 10, 1992, amended in R96-	
40		-	ffective May 8, 1997, amended in R00-17 at 25 Ill. Reg. 10350,	
41	effective Sep	ptember 1, 2	001; amended in R18-26 at 46 Ill. Reg, effective	
42		·		
43				

44	SUBPART A: GENERAL
45	
46	Section 617.101 Purpose
47	
48	This Part establishes the general requirements and standards for regulated recharge areas as
49	<u>defined</u> , delineated and adopted by the Illinois Pollution Control Board <u>underpursuant to</u> Section
50	17.4 of the Illinois Environmental Protection Act (Act) [415 ILCS 5/17.4].
51	
52	(Source: Amended at 46 Ill. Reg, effective)
53	
54	Section 617.102 Definitions
55	
56	Unless a different meaning of a word or term is clear from the context, the definitions of words
57	or terms in this Part will shall be the same as those used in 35 Ill. Adm. Code 615.102, 35 Ill.
58	Adm. Code 616.102, Section 1 of the Act, or the Illinois Groundwater Protection Act [415 ILCS
59	55/1].
60	
61	"Agency" means the Illinois Environmental Protection Agency.
62	
63	"Agrichemical facility" means a site used for commercial purposes, where bulk
64	pesticides are stored in a single container in excess of 300 gallons of liquid
65	pesticide or 300 pounds of dry pesticide for more than 30 days per year or where
66	more than 300 gallons of liquid pesticide or 300 pounds of dry pesticide are being
67	mixed, repackaged or transferred from one container to another within a 30 day
68	period or a site where bulk fertilizers are stored, mixed, repackaged or
69 70	transferred from one container to another. [415 ILCS $5/3.110-3.77$]
70	"Description of the III'm is Delletien Control Description
71	"Board" means the Illinois Pollution Control Board.
72	"Chamical substance" magnes and "suturn le language and "list alim
73 74	"Chemical substance" means any "extremely hazardous substance" listed in
7 4 75	Appendix A of 40 CFR 355 that is present at a facility in an amount in excess of its threshold planning quantity, any "hazardous substance" listed in 40 CFR 302.4 that
75 76	is present at a facility in an amount in excess of its reportable quantity or in excess
70 77	of its threshold planning quantity if it is also an "extremely hazardous substance",
78	and any petroleum including crude oil or any fraction thereof that is present at a
79	facility in an amount exceeding 100 pounds unless it is specifically listed as a
80	"hazardous substance" or an "extremely hazardous substance". "Chemical
81	substance" does not mean any substance to the extent it is used for personal, family,
82	or household purposes or to the extent it is present in the same form as a product
83	packaged for distribution to and use by the general public. [430 ILCS 45/3]
84	puellingen je. min te min te min me ey me general puelle. [150 1200 16/6]
85	"Class V injection well" means injection wells not included in Class I, II, III, or IV.
86	Class V wells include:

87	
88	air conditioning return flow wells used to return to the supply aquifer the
89	water used for heating or cooling in a heat pump;
90	
91	cesspools, including multiple dwelling, community or regional cesspools, or
92	other devices that receive wastes, which have an open bottom and
93	sometimes have perforated sides. The Underground Injection Control
94	(UIC) requirements do not apply to single family residential cesspools nor
95	to non-residential cesspools that receive solely sanitary wastes and have the
96	capacity to serve fewer than 20 persons a day;
97	
98	cooling water return flow wells used to inject water previously used for
99	cooling;
100	
101	drainage wells used to drain surface fluid, primarily storm runoff, into a
102	subsurface formation;
103	
104	dry wells used for the injection of wastes into a subsurface
105	formation;
106	
107	recharge wells used to replenish the water in an aquifer;
108	
109	salt water intrusion barrier wells used to inject water into a fresh water
110	aquifer to prevent the intrusion of salt water into the fresh water;
111	
112	sand backfill and other backfill wells used to inject a mixture of water and
113	sand, mill tailings, or other solids into mined out portions of subsurface
114	mines whether or not what is injected is a radioactive waste;
115	
116	septic system wells used to inject the waste or effluent from a multiple
117	dwelling, business establishment, community, or regional business
118	establishment septic tank. The UIC requirements do not apply to single
119	family residential septic system wells that are used solely for the disposal of
120	sanitary waste and have the capacity to serve fewer than 20 persons a day;
121	
122	subsidence control wells (not used for the purpose of oil or natural gas
123	production) used to inject fluids into a non-oil or -gas producing zone to
124	reduce or eliminate subsidence associated with the overdraft of fresh water;
125	
126	radioactive waste disposal wells other than Class IV;
127	,
128	injection wells associated with the recovery of geothermal energy for
129	heating, aquaculture, and production of electric power;
	- · · · · · · · · · · · · · · · · · · ·

130	
131	wells used for solution mining of conventional mines such as stopes
132	leaching;
133	
134	wells used to inject spent brine into the same formation from which it was
135	withdrawn after extraction of halogens or their salts;
136	
137	injection wells used in experimental technologies; and
138	
139	injection wells used for in-situ recovery of lignite, coal, tar sands, and oil
140	shale. (40 CFR 146.5)
141	
142	"Container" means any portable device (including, but not limited to, 55-gallon
143	drums) in which material is stored, treated, disposed of or otherwise handled. The
144	term "container" does not include a vehicle used to transport material.
145	
146	"Existing Potential Tertiary Source of Groundwater Contamination" means a
147	potential tertiary source of groundwater contamination that is not new.
148	
149	"Facility" means the buildings and all real property contiguous thereto, and the
150	equipment at a single location used for the conduct of business. [430 ILCS 45/3]
151	
152	"Generator (RCRA)" means any person, by site location, whose act or process
153	produces "hazardous waste" identified or listed in 35 Ill. Adm. Code 721 (see 35 Ill.
154	Adm. Code 702.110 and 35 Ill. Adm. Code 730.103).
155	
156	"Household waste" means any waste material (including garbage and trash)
157	derived from households (including single and multiple residences, hotels and
158	motels, bunkhouses, ranger stations, crew quarters, campgrounds, picnic grounds,
159	and day-use recreation areas).
160	
161	"IEMA" means the Illinois Emergency Management Agency.
162	
163	"Low level radioactive waste" or "waste" means radioactive waste not classified as
164	high- level radioactive waste, transuranic waste, spent nuclear fuel or byproduct
165	material as defined in Section 11e(2) of the Atomic Energy Act of 1954 (42
166	U.S.C. USC 2014) [420 ILCS 20/3].
167	
168	"Major Potential Source" means any unit at a facility or site not currently subject
169	to a removal or remedial action that stores, accumulates, landfills, or land treats
170	waste, other than household waste, that could cause contamination of groundwater
171	and is generated on the site.
172	

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"Municipal solid waste landfill unit" or "MSWLF Unit" means a contiguous area of land or an excavation that receives household waste, and is not a land application unit, surface impoundment, injection well, or any pile of noncontainerized accumulations of solid, nonflowing waste that is used for treatment or storage. A MSWLF unit may also receive other types of RCRA Subtitle D wastes, such as commercial solid waste, nonhazardous sludge, small quantity generator waste and industrial solid waste. Such a landfill may be publicly or privately owned. A MSWLF unit may be a new MSWLF unit, an existing MSWLF unit, or a lateral expansion. A sanitary landfill is subject to regulation as a MSWLF unit if it receives household waste. [415 ILCS 5/3.2853.85]

"New Major Potential Source" means:

a major potential source that is not in existence or for which construction has not commenced at its location as of September 1, 2001; or

a major potential source that expands laterally beyond the currently permitted boundary or, if the potential source is not permitted, the boundary in existence as of September 1, 2001; or

a major potential source that is part of a facility that undergoes major reconstruction. Such reconstruction <u>mustshall</u> be deemed to have taken place where the fixed capital cost of the new components, constructed within a 2-year period, exceed 50% of the fixed capital cost of a comparable entirely new facility as of September 1, 2001.

"New Potential Primary Source" means:

a potential primary source which is not in existence or for which construction has not commenced at its location as of January 1, 1988; or

a potential primary source which expands laterally beyond the currently permitted boundary or, if the primary source is not permitted, the boundary in existence as of January 1, 1988; or

a potential primary source which is part of a facility that undergoes major reconstruction. Such reconstruction shall be deemed to have taken place where the fixed capital cost of the new components constructed within a 2-year period exceed 50% of the fixed capital cost of a comparable entirely new facility. [415 ILCS 5/53.59]

"New Potential Route" means:

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216 a potential route which is not in existence or for which construction has 217 not commenced at its location as of January 1, 1988; or 218 219 a potential route which expands laterally beyond the currently permitted 220 boundary or, if the potential route is not permitted, the boundary in 221 existence as of January 1, 1988. [415 ILCS 5/3.3503.580] 222 223 "New Potential Secondary Source" means: 224 225 a potential secondary source which is not in existence or for which 226 construction has not commenced at its location as of July 1, 1988; or 227 228 a potential secondary source which expands laterally beyond the currently 229 permitted boundary or, if the secondary source is not permitted, the 230 boundary in existence as of July 1, 1988, other than an expansion for 231 handling of livestock waste or for treating domestic wastewaters; or 232 a potential secondary source which is part of a facility that undergoes 233 major reconstruction. Such reconstruction shall be deemed to have taken 234 place where the fixed capital cost of the new components constructed 235 within a 2 year period exceed 50% of the fixed capital cost of a 236 comparable entirely new facility [415 ILCS 5/3.3553.60]; or 237 238 A new potential secondary source excludes an agrichemical facility that 239 modifies on site storage capacity such that the volume of the pesticide 240 storage does not exceed 125% of the available capacity in existence on 241 April 1, 1990, or the volume of fertilizer storage does not exceed 150% of 242 the available capacity in existence on April 1, 1990; provided that a 243 written endorsement for an agrichemical facility permit is in effect under 244 Section 39.4 of (the) Act and the maximum feasible setback is maintained. 245 This on site storage capacity includes mini-bulk pesticides, package 246 agrichemical storage areas, liquid or dry fertilizers, and liquid or dry 247 pesticides. [415 ILCS 5/14.2(g)(4)] 248 249 "New Potential Tertiary Source of Groundwater Contamination" means: 250 251 a Potential Tertiary Source, that is not in existence or for which 252 construction has not commenced at its location as of September 1, 253 2001; or 254 255 a Potential Tertiary Source that expands laterally beyond the 256 currently permitted boundary or, if the tertiary source is not 257 permitted, the boundary in existence as of September 1, 2001; or

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259 260 261 262 263 264 cost of a comparable entirely new facility. 265 266 267 subject to a removal or remedial action that: 268 269 270 or special waste not generated at the site; or 271 272 273 274 debris; or 275 276 277 278 279 280 281 282 [415 ILCS 5/3.59] 283 284 285 286 287 gravel. [415 ILCS 5/3.58] 288 289 290 291 that: 292 293 294 295 296 and construction and demolition debris; or 297 298 299

a Potential Tertiary Source that is part of a facility that undergoes major reconstruction after September 1, 2001. Reconstruction mustSuch reconstruction shall be considereddeemed to have taken place where the fixed capital cost of the new components, constructed within a 2-year period, exceed 50% of the fixed capital

"Potential Primary Source" means any unit at a facility or site not currently

is utilized for the treatment, storage, or disposal of any hazardous

is utilized for the disposal of municipal waste not generated at the site, other than landscape waste and construction and demolition

is utilized for the landfilling, land treating, surface impounding or piling of any hazardous or special waste that is generated on the site or at other sites owned, controlled or operated by the same person; or

stores or accumulates at any time more than 75,000 pounds above ground, or more than 7,500 pounds below ground, of any hazardous substances.

"Potential route" means abandoned and improperly plugged wells of all kinds, drainage wells, all injection wells, including closed loop heat pump wells, and any excavation for the discovery, development or production of stone, sand or

"Potential secondary source" means any unit at a facility or a site not currently subject to a removal or remedial action, other than a potential primary source,

is utilized for the landfilling, land treating, or surface impounding of waste that is generated on the site or at other sites owned, controlled or operated by the same person, other than livestock and landscape waste,

stores or accumulates at any time more than 25,000 but not more than 75,000 pounds above ground, or more than 2,500 but not more than 7,500 pounds below ground, of any hazardous substances; or

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302	stores or accumulates at any time more than 25,000 gallons above
303	ground, or more than 500 gallons below ground, of petroleum, including
304	crude oil or any fraction thereof which is not otherwise specifically listed
305	or designated as a hazardous substance; or
306	
307	stores or accumulates pesticides, fertilizers, or road oils for purposes of
308	commercial application or for distribution to retail sales outlets; or
309	commencial approximent of joi answer to result states contains, c.
310	stores or accumulates at any time more than 50,000 pounds of any de-
311	icing agent; or
312	
313	is utilized for handling livestock waste or for treating domestic
314	wastewaters other than private sewage disposal systems as defined in the
315	Private Sewage Disposal Licensing Act. [415 ILCS 5/3.3553.60]
316	Trivate bewage Disposat Literisting Net. [413 ILCS 3/3.3333.00]
317	"Potential Tertiary Source of Groundwater Contamination" means any unit at a
318	facility or site not currently subject to a removal or remedial action that stores or
319	
	accumulates any chemical substance during any calendar year and that is not a
320	potential primary or secondary source of groundwater contamination.
321	"D1-(-111 "
322	"Regulated recharge area" means a compact geographic area, as determined by the
323 b24	Board, the geology of which renders a potable resource groundwater particularly
324	susceptible to contamination. [415 ILCS 5/ <u>3.390</u> 3.67]
325	
326	"Setback zone" means a geographic area, designated pursuant to (the) Act,
327	containing a potable water supply well or a potential source or potential route,
328	having a continuous boundary, and within which certain prohibitions or
329	regulations are applicable in order to protect groundwaters. [415 ILCS
330	5/ <u>3.450</u> 3.61]
331	
332	"Sinkhole" means any natural depression formed as a result of subsurface removal
333	of soil or rock materials and causing the formation of a collapse feature that
334	exhibits internal drainage. The existence of a sinkhole <u>mustshall</u> be indicated by
335	the uppermost closed depression contour lines on the United States Geological
336	Survey 7.5 minute topographic quadrangle maps or as determined by field
337	investigation.
338	
339	"Site" means any location, place, tract of land, and facilities, including but not
340	limited to buildings, and improvements used for purposes subject to regulation or
341	control by (the) Act or regulations thereunder. [415 ILCS 5/3.4603.43]
342	
343	"Unit" means any device, mechanism, equipment, or area (exclusive of land

utilized only for agricultural production). This term includes secondary

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345 containment structures and their contents at agrichemical facilities. [415 ILCS 346 5/3.5153.62] 347 348 "Unit boundary" means a line at the land's surface circumscribing the area on 349 which, above which or below which waste, pesticides, fertilizers, road oils or de-350 icing agents will be placed during the active life of the facility. The space taken 351 up by any liner, dike or other barrier designed to contain waste, pesticides, 352 fertilizers, road oils or de-icing agents falls within the unit boundary. 353 354 "Waste" means any garbage, sludge from a waste treatment plant, water supply treatment plant, or air pollution control facility or other discarded material, 355 356 including solid, liquid, semi-solid, or contained gaseous material resulting from 357 industrial, commercial, mining and agricultural operations, and from community 358 activities, but does not include solid or dissolved material in domestic sewage, or 359 solid or dissolved material in irrigation return flows, or coal combustion by-360 products as defined in Section 3.1353.94 (of the Act), or in industrial discharges 361 which are point sources subject to permits under section 402 of the Federal Water 362 Pollution Control Act, as now or hereafter amended, or source, special nuclear, 363 or by-product materials as defined by the Atomic Energy Act of 1954 as amended 364 (68 stat. 921)(42 USC 2011 et seq.) or any solid or dissolved material from any 365 facility subject to the Federal Surface Mining Control and Reclamation Act of 366 1977 (P.L. 95-87) or the rules and regulations thereunder or any law or rule or 367 regulation adopted by the State of Illinois pursuant thereto. [415 ILCS 368 5/3.5353.53 369 370 (Source: Amended at 46 Ill. Reg. _____, effective _____) 371 372 **Section 617.110 Incorporation by Reference** 373 374 The Board incorporates the following federal regulations by reference: a) 375 376 CFR (Code of Federal Regulations), Available from the Superintendent of 377 Documents, U.S. Government Printing Office, Washington, D.C. 20402 202-783-378 3238. 379 380 40 CFR 302.1 through 302.8 (2017). 381 382 b) This SectionPart incorporates no later amendments or editions. 383 (Source: Amended at 46 Ill. Reg. _____, effective _____) 384 385 386 Section 617.115 Scope 387

388 389		lishes regulated recharge areas and provisions governing specific activities in included the Board.
390	mose areas <u>u</u>	incured by the Board.
891 892	(Sour	e: Amended at 46 Ill. Reg, effective)
393	Section 617.	20 Prohibitions
394	,	
395 396	a)	The following new facilities, sites, units, or potential routes must not be located within a <u>defined</u> regulated recharge area:
897 898 899		1) low level radioactive waste sites;
100 101		2) class V injection wells;
102 103		3) municipal solid waste landfills; or
104		4) special or hazardous waste landfills.
105 106	b)	For the purpose of subsection (a), "new" means the following:
107 108 109 110 111		a facility, site, or unit that is not in existence or for which construction has not commenced at its location as of the effective date of any Subpart of this Part that creates a <u>defined</u> delineated regulated recharge area in which that facility is located;
112 113 114 115 116 117		a facility, site, or unit that expands laterally beyond the currently permitted boundary or, if the potential primary source is not permitted, the boundary in existence as of the effective date of any Subpart of this Part that creates a defined delineated regulated recharge area in which that facility is located;
119 120 121 122 123		a unit or site that is part of a facility that undergoes major reconstruction, which is considered shall be deemed to have taken place where the fixed capital cost of the new components, constructed within a 2-year period, exceed 50% of the fixed capital cost of a comparable entirely new facility or
124 125 126 127 128 129	/0	a Class V injection well that is not in existence or for which construction has not commenced at its location as of the effective date of any Subpart of this Part that creates a <u>defined</u> regulated recharge area in which that facility is located.
130	(Sour	e: Amended at 46 Ill. Reg, effective)

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432	

Section 617.125 Recharge Area Suitability Assessment

The purpose of the recharge area suitability assessment process is to assess potential environmental impacts that a new facility would have within a regulated recharge area, and to assure that appropriate measures to protect against possible contamination will be included in the operation of the facility.

a) The owners or operators of new major potential sources located wholly or partially within a delineated regulated recharge area <u>must submit a recharge area suitability assessment to the Agency before beginning may not commence construction without first filing a recharge area suitability assessment with the <u>Agency</u>, except for livestock operations that meet the criteria-<u>set forth</u> in 35 Ill. Adm. Code 501.404(e) or except as provided in subsection (b) of this Section.</u>

b) For any livestock waste handling facility subject to the Livestock Management Facilities Act [510 ILCS 77], the requirement in subsection (a) of this Section for filing a recharge area suitability assessment is only applicable to such facility after filing a notice of intent, or a complete registration if the facility is designed to handle the waste from a 300 animal unit or larger operation, and:

1) a public informational meeting <u>underpursuant to</u> Section 12 of the Livestock Management Facilities Act is not requested; or

2) the provisions for a public informational meeting are not applicable to such facility.

c) A recharge area suitability assessment must include, at a minimum, the following:

1) a legal description of the site and location maps including:

 A) a topographic map of the site drawn to scale of 200 feet to the inch or larger with a contour interval of less than 50 feet;

B) an area map that shows the approximate distance of the unit at a facility or site from the nearest potable water supply well or sinkhole; and

C) an area map that identifies all land uses within 1 mile of the site;

2) soil survey data for the site;

3) an explanation of the proposed operation and any protection controls or

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1/4		measures;
175		
1 76		4) a description of any management systems that will be utilized to prevent
177		environmental contamination; and
478		
179		5) an analysis of the potential environmental impacts that could occur due to
480		the operation of the facility and any mitigating measures that will be
481		implemented.
182		1
183	d)	Within 7 days after filing the suitability assessment, the owner or operator must:
184	,	
1 85		1) notify all adjacent property owners of the filing; and
1 86		
187		2) publish a public notice regarding the filing of the assessment in a
188		newspaper whose circulation covers the affected area.
489		The Hoper of the state of the s
190	e)	Within 45 days after the filing of an assessment, any person may:
491	• •	Training of an assessment, any person may.
192		1) request copies of the assessment from the Agency; and
193		i) request copies of the assessment from the rigency, and
194		2) request that a public hearing be held at a location in the vicinity of the
195		proposed facility.
196		proposed racinty.
197	f)	The Agency must hold the public hearing withinin a timely manner, but no more
198	1)	than 45 days after receipt of the written response is received under pursuant to
199		subsection (e)(2) of this Section.
500		subsection (c)(2) of this section.
501	g)	The Agency must provide 21 days public notice prior to a public hearing.
502	5)	The rigency must provide 21 days public notice prior to a public hearing.
503	h)	Within 90 days after the filing of an assessment or within 120 days after a
503 504	11)	hearing, the Agency must issue a written statement with one of the following
505		determinations:
505 506		determinations.
500 507		1) the assessment demonstrates the potential environmental impacts that a
		, <u>1</u>
508		facility would have within the recharge area and includes the appropriate
509		measures to protect against possible contamination;
510		2) the assessment does not demonstrate the notantial environmental imports
511		2) the assessment does not demonstrate the potential environmental impacts
512		that a facility would have within the recharge area and does not include
513		the appropriate measures to protect against possible contamination; or
514		
515		3) the assessment must be modified to address any impacts that the facility
516		will have on the groundwater within the area.

517		
518	i)	Within 30 days after receiving the Agency's written statement under subsections
519	,	(h)(1) or (h)(2), the The owner or operator of the facility may, within 30 days,
520		respond to thea statement issued by the Agency pursuant to subsection (h)(2) or
521		(h)(3) of this Section.
522		
523	j)	Within Not later than 30 days after receipt of a response from the owner or
524	3/	operator of the facility, the Agency must issue a final statement regarding the
525		assessment-under pursuant to subsection (i) of this Section. If no response is
526		received by the Agency within the 30 day period, no further action is necessary
527		and the statement stands as initially issued.
528		and the statement stands as initially issued.
529	k)	Operation of the facility may only begincommence after issuance of a final
530	K)	statement by the Agency is issued.
531		statement by the rigency is issued.
532	1)	The applicant may appeal the Agency's final statement to the Board by filing a
533	1)	petition on or before the 35 th day after the <u>statement is issuedissuance of the</u>
534		statement. The petition must be filed, and the proceedings conducted,
535		underpursuant to the procedures set forth in 35 Ill. Adm. Code 105.
		under pursuant to the procedures set forth in 33 m. Adm. Code 103.
536	(Course	on Amended at 46 III Dear affective
537538	(Sourc	ce: Amended at 46 Ill. Reg, effective)
539	Section 617 1	30 Technology Control Regulations
540	Section 017.1	150 Technology Control Regulations
	The standards	and requirements of 25 III. Adm. Code 615, 25 III. Adm. Code 616, 9 III. Adm.
541		s and requirements of 35 Ill. Adm. Code 615, 35 Ill. Adm. Code 616 , 8 Ill. Adm.
542		77 Ill. Adm. Code 830 apply to the following existing and new activities if the
543		ectivities are located wholly or partially within 2,500 feet of the wellheads and are
544	located or tak	e place within a regulated recharge area:
545		
546	a)	landfilling, land treating, surface impounding or piling of special waste and other
547		wastes that could cause contamination of groundwater and that are generated on
548		the site, other than hazardous waste, livestock waste, and construction and
549		demolition debris;
550		
551	b)	storage of special waste in an underground storage tank to which federal
552		regulatory requirements for the protection of groundwater do not applyare not
553		applicable;
554		
555	c)	storage and related handling of pesticides and fertilizers at a facility for the
556		purpose of commercial application;
557		
558	d)	storage and related handling of road oils and de-icing agents at a central location;
559		and

000		
561	e)	storage and related handling of pesticides and fertilizers at a central location for
562		the purpose of distribution to retail sales outlets.
563		
564	(Sour	ce: Amended at 46 Ill. Reg, effective)
565		
566	Section 617.1	135 Abandoned and Improperly Plugged Well Assistance Program
567		
568	-	ent of Public Health and Department of Natural Resources may develop an
569	assistance pro	ogram for abandoned and improperly plugged water supply wells as follows:
570		
571	a)	The Department of Natural Resources and Department of Public Health must
572		develop educational materials on the requirements for properly plugging
573		abandoned water supply wells within a regulated recharge area.
574		
575	b)	The Department of Natural Resources and the Department of Public Health must
576		work with within a school district to develop, and implement an educational
577		program utilizing the materials developed under subsection (a) of this Section on
578		the requirements for properly plugging abandoned water supply wells within, or
579		within the service area, of the water supply within a regulated recharge area.
580		
581	c)	The water supply associated with a regulated recharge area will distribute the
582		educational materials developed under subsection (a) of this Section to the water
583		users within the service area.
584		
585	d)	The Department of Natural Resources must work with a school district in the
586		service area associated with a regulated recharge area to develop and implement
587		groundwater protection information on the proper plugging requirements of
588		abandoned water supply wells.
589		
590	(Sour	ce: Amended at 46 Ill. Reg, effective)
591		
592	Section 617.	140 Recharge Area Road Sign Posting
593		
594	Road signs w	ill be posted at the entrance to and exit from a regulated recharge area after
595	September 1,	2001, as follows:
596		
597	a)	the Agency must work with the Illinois Department of Transportation to
598		demarcate any State or interstate road or highway at the perimeter of a regulated
599		recharge area; and
500		
501	b)	the public water supply, as defined in 415 ILCS 5/3.3653.28, must demarcate
502		where any major road other than a State or interstate road or highway enters or
596 597 598 599 500 501	a)	the Agency must work with the Illinois Department of Transportation to demarcate any State or interstate road or highway at the perimeter of a regulated recharge area; and the public water supply, as defined in 415 ILCS 5/3.3653.28, must demarcate

	exits a regulated recharge area.
(Cour	ce: Amended at 46 Ill. Reg effective)
(Sour	ce. Amended at 40 m. Reg
	SUBPART B: PLEASANT VALLEY PUBLIC WATER DISTRICT REGULATED RECHARGE AREA
Section 617.2	200 Purpose
Public Water or partially w	establishes requirements and standards for the protection of the Pleasant Valley District for certain types of existing or new facilities, sites or units located wholly ithin the regulated recharge area boundary <u>defined</u> in 35 Ill. Adm. Code & A.
(Sour	ce: Amended at 46 Ill. Reg, effective)
Section 617.2	205 Applicability
a)	This Subpart applies to the following facilities, sites, units or wells located
a)	partially or wholly within the Pleasant Valley Public Water District's recharge
	area boundary:
	1) those activities not regulated by 35 Ill. Adm. Code 615 or 35 Ill. Adm.
	Code 616;
	2) Class V wells and abandoned and improperly plugged wells of any type;
	2) Class v wens and abandoned and improperty plugged wens of any type,
	3) existing and new potential primary sources of groundwater contamination,
	existing and new potential secondary sources of groundwater
	contamination, existing and new potential tertiary sources of groundwater
	contamination, and existing and new potential routes of groundwater
	contamination.
b)	<u>This Nothing in this</u> Subpart <u>has no impacts on the application of State or Federal</u>
	laws or regulations (35 Ill. Adm. Code 615, 35 Ill. Adm. Code 616, Sections 106
	and 107 of the Comprehensive Environmental Response, Compensation and
	Liability Act (42 <u>U.S.C. USC</u> 9601, et seq.); Sections 3004 and 3008 of the
	Resource Conservation and Recovery Act (42 <u>U.S.C. USC</u> 6901, et seq.); Sections
	4(q), 4(v), 12(g), 21(d), 21(f), 22.2(f), 22.2(m) and 22.18 of the Act; 35 Ill. Adm.
	Code 724, 725, 730, 731, 733, 740, 742, 750, 811 and 814)) to activities
	addressed in those Parts or Sections that occur within the boundaries of the
	regulated recharge area set out in this Part.
	Section 617.2 This Subpart Public Water or partially w 617.Appendix (Source Section 617.2

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546	(Source	ce: Amended at 46 Ill. Reg	, effective)	
547 548	Section 617	210 Registration of Potential	Sources and Routes of Groundwater	
549	Contaminati	_	Sources and Routes of Groundwater	
550	Contaminati			
551	The owner or	operator of potential sources of	or routes of groundwater contamination, located	
552			ey Public Water District's regulated recharge area	
553			er the location with the Agency using forms provided	
554	in Appendix			
555	rr ·			
556	a)	Within 30 days construction	beginsno later than 30 days prior to commencement	
557	,	· · · · · · · · · · · · · · · · · · ·	ntial routes or primary, secondary or tertiary sources	
558		of groundwater contamination	on; or	
559		_		
660	b)	Withinno later than 90 days a	after the registration meeting described in Section	
661		617.215 of this Subpart.		
662				
663	(Source	ce: Amended at 46 Ill. Reg	, effective)	
664				
665	Section 617.2	220 Management Systems fo	r Potential Sources	
666				
667	a)	<u> </u>	y potential tertiary source of groundwater	
668		-	y or partially within the regulated recharge area must	
669		1 1	emical substances management system that, at a	
570		minimum, must include the f	following:	
571		4) 1 . 6 1		
572		· •	the manner in which the on-site chemical substances	
573		are stored and used;		
574		2)		
575		-	sessment and the response procedures to be followed	
576		by the facility for not	ifying local emergency response agencies;	
577 578		2) managamant maagura	es that are employed to reduce the potential for	
579		3) management measure releases; and	is that are employed to reduce the potential for	
580		releases, and		
581		4) suitable training as pr	covided by the Agency underpursuant to Section	
582		617.225 of this Subpa	• • • •	
583		017.223 of this Subp	nt.	
584	b)	The owner or operator of an	existing potential tertiary source of groundwater	
585	0)		y or partially within the regulated recharge area must	
586		Contamination focuted whom	, or partially within the regulated rectained area must	
587		1) Within 90 days after	September 1, 2001, register for the training required	
588		under Section 617.22		

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589			
590			in 120 days after September 1, 2001, attend an Agency sponsored
591		traini	ng program required under Section 617.225 before the development
592		of the	e required chemical substances management plan (CSMP).
593			
594	c)	The owner or operator of an existing potential tertiary source of groundwater	
595		contaminatio	on located wholly or partially within the regulated recharge area must,
596		within 180 d	ays after the training required underpursuant to Section 617.225,
597		develop a CS	SMP and make it available on-site.
598			
599	d)	The chemical substances management system for a new potential tertiary source	
700		must also include secondary containment. Chemical substance storage areas	
701		regulated und	der this Subpart must have a constructed or pre-fabricated
702		containment system that is operated as follows:	
703			
704		1) When	n not protected from receiving precipitation, the constructed or pre-
705			cated containment system must have:
706			·
707		A)	a minimum containment volume of a 6-inch rain storm (a 25 year,
708			24 hour rain);
709			
710		B)	the capacity of the largest container or tank; and
711		,	
712		C)	the volume displaced by the bases of the other tanks located within
713			the secondary containment structure.
714			·
715		2) When	n protected from receiving precipitation, the constructed or pre-
716			cated containment system must have a minimum containment volume
717			0 percent of the capacity of the largest container or tank, plus the
718		volume displaced by the bases of the other containers or tanks.	
719			
720		3) The c	owner or operator must prevent run-on into the pre-fabricated or
721		constructed secondary containment system, unless the collection system	
722			ufficient excess capacity in addition to that required in subsection
723) of this Section to contain any run-on, which might enter the
724		, , , ,	ructed or pre-fabricated containment system.
725			ı ,
726		4) The c	owner or operator must remove spilled or leaked material and
727			nulated precipitation from the sump or collection area in a timely
728			her to prevent overflow of the collection system.
729			· · · · · · · · · · · · · · · · · · ·
730	e)	The owner or operator of a new potential tertiary source of groundwater	
731	,	contamination located wholly or partially within the regulated recharge area must:	
		comminded to calca whomy of partially within the regulated recharge area must.	

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732 733 1) register for the training required under Section 617.225 30 days before 734 construction beginshas commenced; and 735 736 attend an Agency sponsored training program required under Section 2) 737 617.225 within 60 days after registration. 738 739 f) The owner or operator of a potential primary or secondary source must review the 740 facility's chemical management practices and take any necessary actions to ensure 741 protection equivalent to subsection (a) or (d) of this Section. 742 743 The owner or operator of a potential tertiary source of groundwater contamination g) 744 must do the following, unless an equivalent CSMP has been prepared and filed: 745 746 1) maintain a CSMP at the facility at all times; 747 748 2) review the CSMP annually; 749 750 3) clearly identify changes in the CSMP; 751 752 4) provide a copy of the initial Plan to the appropriate local fire department 753 and police response agency; and 754 755 5) make the CSMP available for inspection by the public during normal 756 operating hours. 757 758 (Source: Amended at 46 Ill. Reg. _____, effective _____) 759 760 **Section 617.225 Training Program for Potential Tertiary Sources** 761 762 a) A chemical substance management training program (as required in Section 763 617.220(a)) must be conducted by the Agency as follows: 764 765 The training program must cover, at a minimum, the following topics: 1) 766 an overview of the sensitivity of community water supply recharge 767 A) 768 areas and groundwater protection; 769 770 B) improperly abandoned wells; 771 772 C) the procedure for developing a chemical substance management 773 system; 774

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1st Notice JCAR350617-2208840r01 775 D) cost effective containment systems; 776 777 E) small business technical assistance opportunities; and 778 779 pollution prevention alternatives appropriate for the type of F) 780 business. 781 782 2) The chemical substances management system training program mustwill be offered at least once, and may be offered more frequently, depending 783 784 upon demand. The Agency or its designee must publish advance notice of 785 the time, date, and location for each training program. 786 787 3) An individual must enroll with the Agency prior to the date for the next 788 scheduled training program. 789 790 4) The Agency must provide the owner or operator of a potential tertiary 791 source that participates in the chemical substances management training 792 program with a certificate of completion. 793 794 b) The owner or operator of a potential tertiary source who receives a certificate of 795 completion of a chemical substances management training program must post the 796 certificate of completion at his place of business, and must provide a copy of such 797 certificate to the Pleasant Valley Public Water District within 10 days after receipt 798 of the certificate from the Agency. 799 800 (Source: Amended at 46 Ill. Reg. _____, effective _____)