

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

IN THE MATTER OF:)	
)	
PROPOSED AMENDMENTS TO)	R 22-18
GROUNDWATER QUALITY)	(Rulemaking – Public Water Supplies)
35 ILL ADM. CODE 620)	

NOTICE OF FILING

TO: Mr. Don Brown,
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 Illinois Pollution Control Board
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 Chicago, Illinois 60601
(VIA ELECTRONIC MAIL)

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(See Persons on Attached Service List)

PLEASE TAKE NOTICE that I have today filed with the Office of the Clerk of the Illinois Pollution Control Board, **THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY’S PRE-FILED ANSWERS TO THE ILLINOIS POLLUTION CONTROL BOARD’S QUESTIONS**, copies of which are hereby served upon you.

Respectfully Submitted,

ILLINOIS ENVIRONMENTAL
PROTECTION AGENCY

Dated: March 4, 2022

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THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY’S PRE-FILED ANSWERS TO THE ILLINOIS POLLUTION CONTROL BOARD’S QUESTIONS

The Illinois Environmental Protection Agency (“Illinois EPA” or “Agency”), by and through its attorneys, and pursuant to the Illinois Pollution Control Board’s (“Board”) Notice of Hearing dated January 13, 2022, submits the following Pre-filed Answers to the Board’s Questions for the hearing scheduled on March 9-10, 2022. Due to the number of questions the Agency received on February 18, 2022, and the limited time to respond to all by March 4, 2022, the Agency anticipates pre-filing answers to the remaining questions prior to the hearing on March 9, 2022. At a minimum, however, the Agency will be prepared to answer all pre-filed questions at the hearing.

Carol Hawbaker

Board Question 1

On page 1, you note that you are a member of U.S. Environmental Protection Agency's ("U.S. EPA") Environmental Council of the States and Association of State and Territorial Health Officials PFAS Science Group and a participant in State Risk Assessors Teleconference Group.

- a) Please comment on what states other than Illinois have adopted or are in the process of adopting PFAS standards for sources of drinking water, including groundwater or surface waters.*
- b) If other states have adopted or proposed standards, provide a list of states with the PFAS standards and how they compare with Agency’s proposal.*

Agency Answer 1

The Environmental Council of the States (“ECOS”) updated their white paper, “Processes & Considerations for Setting State PFAS Standards” on April 29, 2021. The table below reflects the regulatory status for PFAS for the states that responded to the ECOS survey. The white paper can be found at <https://www.ecos.org/wp-content/uploads/2021/04/Updated-Standards-White-Paper-April-2021.pdf>

States with Regulatory Standards for PFAS from ECOS Survey

State	Groundwater	Drinking Water	Surface Water
Alaska	Yes	Advisory	
California	Advisory	Advisory	
Colorado	Yes		Advisory
Connecticut	Advisory	Advisory	
Florida	Advisory		Advisory
Hawaii	Advisory	Advisory	Advisory
Indiana		Advisory	
Maine		Advisory	
Massachusetts	Yes	Yes	
Michigan	Yes	Yes	Yes
Minnesota	Advisory	Advisory	Yes
New Hampshire	Yes	Yes	
New Jersey	Yes	Yes	
New Mexico	Yes		Yes
New York	Advisory	Yes	
North Carolina	Yes	Advisory	
Texas	Yes		
Vermont	Yes	Yes	
Washington		Proposed	
Wisconsin	Advisory	Advisory	
Yes = State has Regulatory Standards for PFAS			
Advisory = State has Advisory Guidelines for PFAS			

In December 2021, the Interstate Technology Regulatory Council published an updated spreadsheet with the available PFAS water values established by U.S. EPA and each pertinent state at the following location: <https://pfas-1.itrcweb.org/fact-sheets/>. The spreadsheet is located under the “Regulations” section of the above webpage and is titled, “PFAS Water and Soil Values Table Excel file.”

Board Question 2

On page 3, you state that the proposed change to Section 620.605(b)(1) updates the language to allow for a Class I standard to be set at the lower value calculated from either the HTTAC noncancer equation or the HNTAC cancer equation. Please clarify whether both values must be calculated even if a substance is not a known carcinogen.

Agency Answer 2

An HNTAC must be calculated when the following criteria are met for the constituent:

- The constituent meets the definition of a “carcinogen” per the definition at 35 Ill. Adm.

Code 620.110; and

- The constituent has oral carcinogen toxicity data necessary to calculate an HNTAC.

If both criteria are met, an HNTAC must be calculated and compared with the result of the HTTAC calculation to determine the more stringent of the two concentrations.

Board Question 3

On page 6, you state that the Agency is in the process of drafting updates to the Board's TACO regulations under 35 Ill Adm Code 742 to align them with Regional Screening Levels for Chemical Contaminants at Superfund Sites (RSL) methodology and procedures. Please comment on whether the Agency can provide a timeframe for submission of the TACO amendments to the Board.

Agency Answer 3

The Agency does not currently have a timeframe for a proposal of TACO amendments to the Board. The Agency is still in the process of developing amendments prior to stakeholder outreach. Current plans are to include in the TACO amendments any changes that will be needed as a result of the Part 620 rulemaking currently before the Board, so development of the TACO amendments may not be complete until the current Part 620 rulemaking is closer to its end and the amendments to be adopted by the Board are known.

Board Question 4

On page 13, your testimony states, "a potency factor of 10 is applied to drinking water exposure to a mutagen during ages 0-2, a potency factor of 3 is applied to drinking water exposure factor for exposure to a mutagen during ages 2-6 and 6-16 years, and a potency factor of 1 is applied to drinking water exposure factors for exposure to a mutagen for an adult."

- Please explain the rationale for selection of specific age groups for applying the potency factors.*
- Comment on the bases for the potency factors.*
- Explain why the ages groups 2-6 and 6-16 are assigned the same potency factor.*

Agency Answer 4

Information regarding the development and application of potency factors for specific age groups comes from U.S. EPA, "Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens." (EPA/R-03/003F, March 2005). The document is included as Attachment 1F 2, beginning on page 3,016, in the testimony and supporting documents submitted to the Board on December 27, 2021.

Per the guidance, the potency factor adjustments were selected on the basis of available laboratory animal data representative from birth to less than 2 years old, and data and information on human biology for ages 2 to less than 16 years old. The potency factors proposed are also used for calculating U.S. EPA Regional Screening Levels ("RSLs") for carcinogens with a mutagenic mode

of action. The equation utilized by RSL is the same equation proposed in the Part 620 amendments. The equation may be found under the “Resident Tapwater” section at: <https://www.epa.gov/risk/regional-screening-levels-rsls-equations>.

The RSL equation is also listed here (copied and pasted from the website):

- **Mutagenic**

- Ingestion

$$SL_{\text{res-wat-ingmu}} \left(\frac{\mu\text{g}}{\text{L}} \right) = \frac{TR \times AT_{\text{res}} \left(\frac{365 \text{ days}}{\text{yr}} \times LT(70 \text{ yrs}) \right)}{CSF_0 \left(\frac{\text{mg}}{\text{kg-day}} \right)^{-1} \times \left(\frac{\text{mg}}{1000 \mu\text{g}} \right) \times IFWM_{\text{res-adj}} \left(\frac{1,019.9 \text{ L}}{\text{kg}} \right)}$$

where:

$$IFWM_{\text{res-adj}} \left(\frac{1,019.9 \text{ L}}{\text{kg}} \right) = \left[\begin{array}{l} \frac{EF_{0-2} \left(\frac{350 \text{ days}}{\text{yr}} \right) \times ED_{0-2} (2 \text{ yr}) \times IRW_{0-2} \left(\frac{0.78 \text{ L}}{\text{day}} \right) \times 10}{BW_{0-2} (15 \text{ kg})} + \\ \frac{EF_{2-6} \left(\frac{350 \text{ days}}{\text{yr}} \right) \times ED_{2-6} (4 \text{ yr}) \times IRW_{2-6} \left(\frac{0.78 \text{ L}}{\text{day}} \right) \times 3}{BW_{2-6} (15 \text{ kg})} + \\ \frac{EF_{6-16} \left(\frac{350 \text{ days}}{\text{yr}} \right) \times ED_{6-16} (10 \text{ yr}) \times IRW_{6-16} \left(\frac{2.5 \text{ L}}{\text{day}} \right) \times 3}{BW_{6-16} (80 \text{ kg})} + \\ \frac{EF_{16-26} \left(\frac{350 \text{ days}}{\text{yr}} \right) \times ED_{16-26} (10 \text{ yr}) \times IRW_{16-26} \left(\frac{2.5 \text{ L}}{\text{day}} \right) \times 1}{BW_{16-26} (80 \text{ kg})} \end{array} \right]$$

It should be noted that the RSL calculation result is presented in units of microgram per liter (µg/L). Part 620 GQS are presented in units of milligram per liter (mg/L).

Board Question 5

On page 31, you state that the proposal includes tables of substances having similar- acting noncancer and cancer effects under Appendix E to assist users in determining if a mixture of similar-acting substances is present in Class I groundwater.

- a) *Please comment how the proposed list of similar-acting substances in Appendix E Tables A and B compare with those listed under the Board’s TACO regulations at 35Ill Adm Code 742 Appendix A, Tables E and F.*
- b) *Is the source of a toxicity metadata used to determine the proposed constituents with*

similar-acting effects, i.e., the toxicity metadata provided in the RSL calculator, different than the data relied upon under Part 742?

- c) *If so, comment on whether the Agency plans to update the similar-acting substances tables under part 742.*

Agency Answer 5

The proposed lists of similar-acting substances at Appendix E are more up-to-date than the tables at 35 Ill. Adm. Code 742 Appendix A, Tables E and F. Sources for determining constituents affecting the same target organ or causing the same health effect are based on toxicity metadata available in the RSL calculator and from toxicological profiles available for the constituent. The proposed TACO amendments will include updates to Appendix A, Tables E and F.

Lynn Dunaway

Board Question 6

On page 2, you state the use of permeameter is being removed because samples of earth materials that must be collected and transported to the permeameter to run the hydraulic conductivity test may cause a change from the in-situ hydraulic conductivity. Please comment on whether the proposed in-situ tests, i.e. the slug test and pump test, can be conducted under all site conditions. If not, would it be appropriate to retain the use of permeameter when site conditions prevent in-situ hydraulic conductivity testing?

Agency Answer 6

A slug test or pump test could be run any time groundwater is present. If no groundwater is present, Part 620 is not applicable.

Board Question 7

On Page 2, regarding the inclusion of groundwater within the wellhead protection area (WHPA) and maximum setback zone as Class I, you state, “these three-dimensional areas have been delineated using site specific hydrogeologic parameters (e.g. transmissivity, specific capacity, gradient, etc.).”

- a) *Please clarify whether the Agency has determined WHPA for the community water supply (CWS) wells or well fields in the state. If so, how many CWS wells or well fields have WHPA delineated, including maximum setback zones? Please provide a listing and a map showing the CWS wells and well fields with WHPA and maximum setback zones.*

Agency Answer 7(a)

The Agency has delineated WHPAs in the State. Community water supplies may have two different types of WHPAs. Every community water supply well has a Phase I WHPA, which has an arbitrary fixed radius of 1,000 feet. The Phase I WHPAs are not delineated using site specific hydrogeologic parameters. However, where a community water supply has adopted a maximum setback zone, since site specific hydrogeologic data is used to determine the radius of influence of the community well as part of the maximum setback zone adoption process, the Agency believes it appropriate to include Phase I WHPAs as Class I Groundwater when a maximum setback zone has been adopted. Under Section 14.3 of the Act, maximum setback zones may be established

whenever the radius of influence of a community water supply well exceeds the minimum setback zone. Community water systems with wells that utilize unconfined aquifers have Phase II WHPAs if site specific hydrogeologic parameters are available to estimate the 5-year recharge area. A community water system is not required, but is encouraged, to adopt maximum setback zones as a management tool when they have a Phase II WHPA. To avoid clutter on the attached maps only maximum setback zones and Phase II WHPAs are displayed. The Agency also notes that under conditions specified in Section 14.3(f) of the Act, a community water system can adopt maximum setback zones that extend to as much as 2,500 feet instead of the usual 1,000 feet. It is the Agency's position that in the instance of a 2,500 foot maximum setback zone the definition proposed under Section 620.210(a)(5) would only include the part of the maximum setback zone that coincides with the inner 1,000 feet of the maximum setback zone. *See Attachment 1.*

- b) Are the Agency's WHPA and maximum setback zone determinations publicly available without a request for information under the Freedom of Information Act? If not, would it be possible to make the WHPA determinations available on the Agency's website.*

Agency Answer 7(b)

Yes, the WHPAs and maximum setback zones are publicly available on the Agency's website using a mapping tool at the following link:

<https://illinois-epa.maps.arcgis.com/apps/webappviewer/index.html?id=4d37a05f5ba441f1b30dab54ccb81fc8>

See Attachment 1.

Board Question 8

On page 3, you state that the Agency is proposing a list of information that must be submitted with a groundwater management zone (GMZ) application to help with the Agency's evaluation of the groundwater conditions and the proposed corrective action. Please provide the following information to give some background on the implementation of the GMZ provisions since their adoption in 1991:

- a) How many GMZs have been established since the adoption of Part 620?*

Agency Answer 8(a)

The Agency has searched available records and to the best of its knowledge and belief there have been 22 sites that have been approved for a GMZ pursuant to 620.250(a) and (b).

- b) How many GMZs are still active? Of those, please specify the dates on which they were established.*

Agency Answer 8(b)

The Agency has searched available records and to the best of its knowledge and belief there are 20 GMZs approved pursuant to 620.250(a) and (b) are still active.

- c) How many GMZs have been terminated upon completion of corrective action under Section 620.250(a) with the attainment of the applicable Subpart D standards, as specified in Section 620.450(a)(4)(A)?*

Agency Answer 8(c)

The Agency has searched available records and to the best of its knowledge and belief there are 2 GMZs that have attained Subpart D standards as specified in 620.450(a)(4)(A).

- d) How many GMZs have been terminated upon completion of corrective action under Section 620.250(a) with concentrations of chemical constituents above applicable Subpart D standards, as specified in Section 620.450(a)(4)(B), remaining in groundwater at the site?*

Agency Answer 8(d)

To date, the Agency has not terminated any GMZs pursuant to Section 620.450(a)(4)(B).

- e) Please identify corrective action processes that have qualified as “a corrective action process approved by the Agency”, as that phrase is used in Section 620.250(a)(1). See Section 620.110 (definition of “corrective action process”).*

Agency Answer 8(e)

The Agency has approved a number of different corrective actions, including groundwater collection and discharge under NPDES Permit, groundwater extraction and treatment prior to permitted discharge, capping waste and monitored natural attenuation with a modeled compliance date, lining previously unlined impoundments, slurry walls and source material removal for beneficial use. Some of these methods are used together or have been used serially.

- f) Under what circumstances have GMZs been established under Section 620.250(a)(2) rather than Section 620.250(a)(1)?*

Agency Answer 8(f)

The Agency is not aware of any instance when a GMZ has been established under Section 620.250(a)(2). To the best of the Agency’s knowledge and belief, site owners and operators have sought the Agency’s review and approval under Section 620.250(a)(1) before initiating the corrective action.

- g) Is Section 620.APPENDIX D applicable only to sites seeking to establish a GMZ under Section 620.250(a)(2)?*

Agency Answer 8(g)

No. The Agency has required site owners and operators to submit 620.APPENDIX D when establishing a GMZ under Section 620.250(a)(1).

- h) Section 620.250(a)(2) refers to a “written confirmation” and provides that “[s]uch confirmation must be provided in a form as prescribed by the Agency.” Please explain whether the Agency provides this form and, if so, whether it calls for the same information as does Section 620.APPENDIX D.*

Agency Answer 8(h)

Section 620.APPENDIX D is the form required by the Agency. Appendix D is used as a summary of the corrective actions being taken and will reference more in-depth studies, modeling and plans

that have been provided by the site owners and operators for Agency review and approval under Section 620.250(a)(1).

- i) *Please describe what types of factors the Agency has considered in determining whether owner and operators undertook adequate corrective action in “a timely and appropriate manner,” as that phrase is used in Section 620.250(a)(2).*

Agency Answer 8(i)

Since the Agency has never approved a GMZ under Section 620.250(a)(2) it has not quantified those factors. However, the factors the Agency would consider would be if the need for corrective action was discovered by the owner or operator of a site, how soon after the contamination was discovered was corrective action initiated, did the corrective action achieve the numeric standards of the applicable class of groundwater, if the applicable numeric standards were not achieved, are the concentrations left in groundwater protective of human health and the environment, how is protection of human health and the environment assured when concentrations of contaminants exceed numeric standards and how were the existing concentrations verified.

- j) *When precisely does the Agency consider a GMZ to be “established” under Section 620.250(b)? The rule appears to describe two conditions, with the GMZ being “established upon concurrence by the Agency that the conditions as specified in subsection (a) are met and groundwater management continues for a period of time consistent with the action described in that subsection.” 35 Ill. Adm. Code 620.250(b) (emphasis added).*

Agency Answer 8(j)

The GMZ is established when a site owner or operator has committed to complete the agreed upon corrective actions, on the schedule they have agreed to under Section 620.250(a)(1) or under Section 620.250(a)(2) the owner or operator has adequately demonstrated the factors the Agency would have to consider as described in Response 8(i).

- k) *Under Section 620.250(b), is the “concurrence by the Agency” in writing?*

Agency Answer 8(k)

Yes, the concurrence is in writing.

- l) *How has the Agency interpreted groundwater management continuing “for a period of time,” as that phrase is used in Section 620.250(b)?*

Agency Answer 8(l)

The Agency’s practice has been to have owners and operators of sites under Section 620.250(a)(1) to provide predictive models estimating the time required to achieve compliance with the numeric standards of the applicable class of groundwater and/or calculations estimating the extent and concentration that contaminated groundwater may ever migrate.

m) *Between the establishment of a GMZ under Section 620.250(a)(2) and the submittal of “appropriate documentation” under Section 620.250(c) for that GMZ’s expiration, is the owner or operator required to submit any information to the Agency? If so:*

i) *Please describe the types of information that has been required and how frequently it has been required to be submitted?*

Agency Answer 8(m)(i)

Under Section 620.250(a)(2), the Agency would expect regular reporting to confirm the factors discussed in Response 8(i).

ii) *Has the Agency issued written determinations to owners and operators that specify what information must be submitted and how frequently or are those requirements found elsewhere? Please explain whether the answer varies depending upon whether the GMZ is established under Section 620.250(a)(1) or Section 620.250(a)(2).*

Agency Answer 8(m)(ii)

Each GMZ the Agency has approved (all of which were under Section 620.250(a)(1)) contains requirements for reporting. There has always been required reporting at least annually. The annual reports generally summarize the previous years groundwater monitoring and provide analysis of contaminant concentrations over time to demonstrate that contaminant concentrations are behaving as predicted. In some instances, quarterly progress reports have been required to document groundwater monitoring results and the process of installation and implementation of corrective measures, such as cover completion, source removal or collection trench installation.

n) *Has the Agency issued written determinations to owners and operators as to whether, under Section 620.250(c), the submitted documentation “confirms the completion of the action taken pursuant to subsection (a)” and “confirms the attainment of applicable standards as set forth in Subpart D”?*

Agency Answer 8(n)

The Agency has issued two written determinations under Section 620.250(c).

o) *In Section 620.250(c), may the “applicable standards as set forth in Subpart D” include concentrations of chemical constituents as specified in Section 620.450(a)(4)(B)?*

Agency Answer 8(o)

No.

p) *When precisely does the Agency consider a GMZ to be “expired” under Section 620.250(c)?*

Agency Answer 8(p)

The Agency may consider the GMZ to have expired when the applicable standards set forth in Subpart D have been met as predicted by the GMZ documentation, the site owner or operator

ceases to implement agreed upon corrective actions, or the site owner or operator, or the Agency, determine that the requirements of Section 620.450(a)(4)(B) are applicable.

q) *The last two sentences of Section 620.250(c) read: “The Agency shall review the on-going adequacy of controls and continued management at the site if concentrations of chemical constituents, as specified in Section 620.450(a)(4)(B), remain in groundwater at the site following completion of such action. The review must take place no less often than every 5 years and the results shall be presented to the Agency in a written report.”*

i) *Does this language apply only after the GMZ has expired?*

Agency Answer 8(q)(i)

It is the Agency’s position that these requirements start after the GMZ has expired.

ii) *In what types of documents have the requirements been specified for on-going “controls and continued management” and the submittal of a “written report” at least every five years?*

Agency Answer 8(q)(ii)

To date a GMZ has not expired under Section 620.450(a)(4)(B).

iii) *Has the Agency required the written report to set forth the “results” of the owner’s or operator’s assessment of “the on-going adequacy of controls and continued management at the site”?*

Agency Answer 8(q)(iii)

No, see Answer 8(q)(ii).

iv) *Has the Agency issued written determinations to owners and operators that document the results of the Agency’s “review” of “the on-going adequacy of controls and continued management at the site”?*

Agency Answer 8(q)(iv)

No, see Answer 8(q)(ii).

v) *In determining when the Agency’s review “must take place,” how has the Agency calculated the five-year deadlines?*

Agency Answer 8(q)(v)

No, see Answer 8(q)(ii).

Board Question 9

Section 620.450(a)(5) requires the Agency to develop and maintain a listing of concentrations derived under Section 620.450(a)(4)(B) and make the list available to the public. The rule also requires the Agency to update the list at least semiannually and have the Board publish it in the Environmental Register.

- a) *Please comment on whether the Agency is maintaining a publicly available listing of concentrations derived under Section 620.450(a)(4)(B). If so, is the listing available on the Agency's website? If not, would the Agency consider making the listing available on its website?*

Agency Answer 9(a)

To date, a GMZ has not expired under Section 620.450(a)(4)(B). However, given the small number of GMZs that exist that are not related to CCR, the Agency believes the Freedom of Information Act request, which is available online makes GMZ information adequately available to the public. Also see Answer 9(d).

- b) *Does the Agency's "listing of concentrations derived pursuant to subsection (a)(4)(B)" identify the locations of sites where the concentrations were monitored in groundwater? Please provide the most recent listing in the Agency's pre-filed answers.*

Agency Answer 9(b)

To date a GMZ has not expired under Section 620.450(a)(4)(B).

- c) *Please comment on whether the Agency will regularly provide the Board with the updated listings contemplated by Section 620.450(a)(5) so that the Board may publish them at least semiannually in the Environmental Register.*

Agency Answer 9(c)

To date a GMZ has not expired under Section 620.450(a)(4)(B), but the Agency would comply with all requirements of Part 620.

- d) *Especially given the State's recent focus on environmental justice, please comment on whether GMZ-related information, such as the submittals specified in proposed Section 620.250(g) and existing Section 620.250(c), should be available to the public through the Agency's website.*

Agency Answer 9(d)

Of the 22 GMZs which have been approved since 1991, all but seven are associated with one or more CCR surface impoundments or CCR leachate. Of the two GMZs that have expired, one was related to a former CCR surface impoundment and one was related to a bulk fuel terminal. Therefore, of the 20 remaining GMZs, 14 are related to CCR surface impoundments and one to CCR leachate. The requirements of Part 845 now control CCR surface impoundments regarding post-closure care, groundwater monitoring, corrective action and public participation. Given the robust public participation requirements of Part 845, the Agency believes that the Freedom of Information Act request, which is available online makes GMZ information adequately available to the public for the remaining six GMZs which are not related to CCR.

Questions on Rule Changes

Section 620.110 Definitions

Board Question 10

The amendment to the definition of “carcinogen” now includes chemicals classified as “carcinogenic to humans or likely to become carcinogenic to humans” to be consistent with USEPA’s Integrated Risk Information System (IRIS).

- a. Please clarify whether the chemicals that are “likely to become carcinogens” are similar to the “Anticipated human carcinogen” listed by the US Department of Health and Human Services.*
- b. Comment on whether USEPA treats chemicals likely to become carcinogenic to humans as carcinogens for regulatory purposes.*
- c. Comment on whether any chemicals listed in the USEPA’s IRIS as “likely to become carcinogenic to humans” have been detected in Illinois groundwater.*

Agency Answer 10

The amended definition of “carcinogen” results from updates by USEPA’s IRIS in its nomenclature for carcinogenicity classifications. Contaminants that would formerly receive a Category A classification are now classified as “Carcinogenic to Humans.” Contaminants that would formerly receive a Category B1/B2 classification are now classified as “Likely to Be Carcinogenic to Humans.” Page 1-12 of “Guidelines for Carcinogen Risk Assessment,” by USEPA Risk Assessment Forum (EPA/630-P-03/001F), included as Attachment 1F 2, beginning on page 3,016, in the Agency’s December 27, 2021, filing, states:

“In order to provide some measure of clarity and consistency in an otherwise free-form, narrative characterization, standard descriptors are used as part of the hazard narrative to express the conclusion regarding the weight of evidence for carcinogenic hazard potential. There are five recommended standard hazard descriptors: “Carcinogenic to Humans,” “Likely to Be Carcinogenic to Humans,” “Suggestive Evidence of Carcinogenic Potential,” “Inadequate Information to Assess Carcinogenic Potential,” and “Not Likely to Be Carcinogenic to Humans.”.”

The table below compares contaminants classified as “Likely to Be Carcinogenic to Humans” with the classification listed by the U.S. Department of Health and Human Services.

CASRN	Constituent	IRIS Classification	U.S. Department of Health and Human Services Classification
106-93-4	Ethylene dibromide (1,2-dibromoethane)*	Likely to Be Carcinogenic to Humans	RAHC
79-43-6	Dichloroacetic acid	Likely to Be Carcinogenic to Humans	RAHC
79-06-1	Acrylamide	Likely to Be Carcinogenic to Humans	RAHC
55-23-5	Carbon tetrachloride*	Likely to Be Carcinogenic to Humans	RAHC
143-50-0	Chlordecone (kepone)	Likely to Be Carcinogenic to Humans	RAHC
75-09-2	Dichloromethane (methylene chloride)*	Likely to Be Carcinogenic to Humans	RAHC
123-91-1	1,4-Dioxane (<i>p</i> -dioxane)*	Likely to Be Carcinogenic to Humans	RAHC
67-72-1	Hexachloroethane	Likely to Be Carcinogenic to Humans	RAHC
87-86-5	Pentachlorophenol*	Likely to Be Carcinogenic to Humans	RAHC
79-34-5	1,1,2,2-Tetrachloroethane	Likely to Be Carcinogenic to Humans	Not Listed
127-18-4	Tetrachloroethylene*	Likely to Be Carcinogenic to Humans	RAHC
96-18-4	1,2,3-Trichloropropane	Likely to Be Carcinogenic to Humans	RAHC

* = Chemical presently listed in Part 620

RAHC = Reasonably Anticipated to Be a Human Carcinogen

U.S. EPA evaluates chemicals classified as “Likely to Be Carcinogenic to Humans” as carcinogens for developing screening levels. Constituents presently listed in Part 620 have been detected in Illinois groundwater.

Board Question 11

The Statement of Reasons (SOR) notes that the definition of “Practical Quantitation Limit” is replaced by “Lower Limit of Quantitation or LLOQ” and “Lowest concentration minimum reporting level (LCMRL)”. SOR at 6. Please comment on whether LLOQ must be defined as a subset of “detection”, as proposed, or as a term by itself following the proposed definition of LCMRL to maintain the alphabetical listing of the definitions. Please comment on whether the following language changes are acceptable to the Agency

“Detection” means the identification of a contaminant in a sample at a value equal to or greater than the:

“Method Detection Limit” or “MDL” means the minimum measured concentration of a substance that can be ~~measured as~~ reported with 99% ~~percent~~ confidence that ~~the true value is greater than zero~~ measured concentration is distinguishable from method blank results, as determined under ~~pursuant to~~ 40 CFR 136, appendix B (2017~~2006~~), incorporated by reference at Section 620.125; or

~~“Lower Limit of Quantitation” or “LLOQ” means the minimum concentration of a substance that can be measured or reported under~~ “Method Quantitation Limit” or “LLOQ” means the minimum concentration of a substance that can be measured or reported under pursuant to “Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods”, incorporated by reference at Section 620.125.

“Hydrologic balance” means the relationship between the quality and quantity of water inflow to, water outflow from, and water storage in a hydrologic unit such as a drainage basin, aquifer, soil zone, lake, or reservoir. It encompasses the dynamic relationships among precipitation, runoff, evaporation, and changes in ground and surface water storage.

~~“Lowest Concentration Minimum Reporting Level” or “LCMRL” means the lowest spiking concentration such that the probability of spike recovery in the 50% to 150% range is at least 99%.~~

“IGPA” means the Illinois Groundwater Protection Act, [415 ILCS 55].

“Lowest Concentration Minimum Reporting Level” or “LCMRL” means the lowest spiking concentration such that the probability of spike recovery in the 50% to 150% range is at least 99%.

“Lower Limit of Quantitation” or “LLOQ” means the minimum concentration of a substance that can be measured or reported under “Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods”, incorporated by reference at Section 620.125.

Agency Answer 11

The Illinois EPA concurs with Illinois Pollution Control Board edits to this section.

Board Question 12

The Agency proposes the definition of “Lowest Concentration Minimum Reporting Level” (LCMRL) as the lowest spiking concentration such that the probability of spike recovery in the 50% to 150% range is at least 99%. Please clarify whether “spiking concentration” and “spike recovery” refer to the spiking of a chemical constituent in the laboratory analysis to measure recovery rates.

Agency Answer 12

The Agency is proposing USEPA’s definition of LCMRL. The question may be better directed to USEPA. Spiking concentration refers to the measured amount of a chemical constituent that is added to a sample blank. Spike recovery refers to the amount of a chemical constituent found in the samples blank as determined by laboratory analysis. Both are necessary to determine the LCMRL.

Board Question 13

The definition of “Mutagen” states it means a “carcinogenic constituent that operates by a mutagenic mode of action for carcinogenesis. Carcinogens with a mutagenic mode of action would be expected to cause irreversible changes to DNA and would exhibit greater effects in early life versus later life exposure.”

- a) *Please clarify whether the term “carcinogenic constituent” means a carcinogen as defined in this section. If so, would it be acceptable to the Agency if the term “carcinogenic constituent” is replaced by “carcinogen”.*

Agency Answer 13(a)

The term “carcinogenic constituent” means a “carcinogen” as defined at Part 620.110. The Agency has no objection to replacing “carcinogenic constituent” with “carcinogen”.

- b) *Comment on whether “mutagenic mode of action” means the action by which a substance can induce an alteration in the structure of DNA as defined in USEPA’s IRIS Glossary. If so, would it be acceptable to the Agency to use the definition “mutagen” based on the IRIS definition as follows to be consistent with the USEPA’s terminology and avoid any ambiguity:*

“Mutagen” means a carcinogen that can induce an alteration in the structure of DNA ~~carcinogenic constituent that operates by a mutagenic mode of action for carcinogenesis. Carcinogens with a mutagenic mode of action would be expected to cause irreversible changes to DNA and would exhibit greater effects in early life versus later life exposure.~~

Agency Answer 13(b)

The term “mutagenic mode of action” is consistent with the definition in the U.S. EPA. IRIS Glossary. The Agency has no objections to the Board’s recommended changes to the “mutagen” definition.

- c) *Please clarify whether a mutagen also must be a carcinogen as defined or it could be a non-carcinogenic substance. If so, comment on whether any regulation of a mutagen under the proposed amendments to Part 620 would be limited to carcinogens with mutagenic mode of action.*

Agency Answer 13(c)

A mutagen must also be a carcinogen as defined. Mutagenicity is not applicable for noncancer health effects. Constituents noted as mutagens in the tables located at Parts 620.410 and 620.420 are identified from the RSL tables. The applicable regulation that is limited to carcinogens with mutagenic mode of action is the calculation of carcinogen HNTAC for mutagens only, using the mutagen equation proposed at Part 620 Appendix A(d)(1). The HNTAC calculations are the proposed Class I GQS for carcinogen constituents that do not have a maximum contamination level (MCL) or maximum contaminant level goal (MCLG). Carcinogens without mutagenic mode of action calculate an HTNAC using the equation proposed at Part 620 Appendix A(d)(2).

Board Question 14

The proposed revisions to the definitions of LOAEL and NOAEL deletes the statement that those levels may be determined for a human population or an animal population. Please explain the rationale for the proposed revisions.

Agency Answer 14

The statements were removed from the definitions inadvertently and should be restored to the definitions.

Board Question 15

The proposed rules refer to the term "MCLG" under Sections 620.410 (footnote f) and 620.605(b)(1). Please comment on whether the definition of the term MCLG based the on the Board's safe drinking water rules under 35 Ill Adm Code 611.101 should be included inSection 620.110. Also explain the rationale for relying on MCLG, which is a non- enforceable health goal to propose standards under Section 620.410.

Agency Answer 15

The term MCLG is based on U.S. EPA's definition, which is the same as the definition located in 35 Ill. Adm. Code 611.101. The MCLG is also discussed in the following sections:

- Part 620.605(b), which notes the MCLG adopted by U.S. EPA shall be the guidance level.
- Part 620 Appendix A(a), which provides methods for calculating an HTTAC if an MCLG is not adopted.

The references to MCLG and the practice of relying on MCLGs as groundwater quality standards when MCLs are not available began in 1989 with Illinois EPA's first submittal to Board proposing groundwater quality standards (IPCB R89-14). Prefiled testimony from Robert P. Clarke of The Illinois EPA, dated November 30, 1989, discusses the use of MCLGs on pages 30-32. Presently, there are no constituents that have MCLGs without corresponding MCLs, and procedures at

Section 620 Subpart F and Appendix A are now used to calculate health-based GQS for constituents that do not have MCLs.

Section 620.125 Incorporations by Reference

Board Question 16

Several documents in this section, which are listed below, are not specifically referenced in the rules with a cross reference to Section 620.125 to show that they are relied upon in the rules. Please identify the specific provisions in the rules where these incorporations by reference documents are relied upon and provide a cross-reference to Section 620.125. If any of the listed documents are not specifically relied upon in the rules, comment on whether it is acceptable to the Agency if they are deleted from Section 620.125 consistent with the current Board practice of incorporating by reference only those documents that are specifically relied upon in the rules.

- a. *USEPA Guidelines for Carcinogenic Risk Assessment, 51 Fed. Reg. 33992-34003 (September 24, 1986).*
- b. *Standard Test Method for Determination of Per- and Polyfluoroalkyl Substances in Water, Sludge, Influent, Effluent, and Wastewater by Liquid Chromatography Tandem Mass Spectrometry (LC/MS/MS)" ASTM D7979-20.*
- c. *Maximum contaminant levels for radionuclides, 40 CFR 141.66 (65 FR 76748, Dec. 7, 2000) (2006).*
- d. *USEPA Guidelines for Carcinogenic Risk Assessment, 51 Fed. Reg. 33992-34003 (September 24, 1986).*
- e. *"Guidance Document for Groundwater Protection Needs Assessments," Agency, Illinois State Water Survey, and Illinois State Geologic Survey Joint Report, January 1995.*
- f. *"The Illinois Wellhead Protection Program Pursuant to Section 1428 of the Federal Safe Drinking Water Act," Agency, # 22480, October 1992.*
- g. *"Maximum Permissible Body Burdens and Maximum Permissible Concentrations of Radionuclides in Air and in Water for Occupational Exposure", NCRP Report Number 22, June 5, 1959.*
- h. *"Low Stress (low flow) Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells, EPA Publication EOASOP-GW4, Region 1 Low-Stress (low flow) SOP Revision No. 4, July 30, 1996; Revised September 19, 2017.*
- i. *"Selected Analytical Methods for Environmental Remediation and Recovery (SAM), 2017. Record last revision date February 10, 2020.*
- j. *"Method 533: Determination of Per- and Polyfluoroalkyl Substances in Drinking Water by Isotope Dilution Anion Exchange Solid Phase Extraction and Liquid*

Chromatography/Tandem Mass Spectrometry," November 2019.

- k. Shoemaker, J. and Dan Tettenhorst. Method 537.1: Determination of Selected Per- and Polyfluorinated Alkyl Substances in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS). U.S. Environmental Protection Agency, Office of Research and Development, Center for Environmental Assessment, Washington, DC. Version 2.0, March 2020.*
- l. A Review of the Reference Dose and Reference Concentration Process, EPA/630/P-02/002F, December 2002.*
- m. Guidance for Applying Quantitative Data to Develop Data Derived Extrapolation Factors for Interspecies and Intraspecies Extrapolation, EPA/R-14/002F, September 2014.*
- n. Guidelines for Carcinogen Risk Assessment", EPA/630/P-03/001F, March 2005.*
- o. Supplemental Guidance for Assessing Susceptibility for Early Life Exposure to Carcinogens, EPA/630/R-03/003F, March 2005.*

Agency Answer 16

It is the Agency's preference that all of the documents listed in Section 620.125 be available for use by the regulated community and the Agency as circumstances dictate. If referring to Section 620.125 is inconsistent with Board practice, the Agency can, at the Board's direction, propose a change to its initially filed amendments listing these documents in the Sections where the documents are applicable, instead of referring to Section 620.125.

Section 620.210 Class I: Potable Resource Groundwater

Board Question 17

In Section 620.210(a)(1) refers to "minimum setback zone". Please comment on whether the statutory definition of that term should be included in under Section 620.110.

Agency Answer 17

Section 620.110 already includes a definition for "setback zone". A minimum setback zone may be associated with the location of a new potable well relative to the existing location of a potential source or route (Section 14.1 of the Act) or for the location of a new potential source or route relative to a well (Section 14.2 of the Act). Since Section 14.2 also includes provisions for statutory relief for the location of potential sources and routes relative to existing potable wells, addition of the definition of "minimum setback zone" could raise the question of whether the statutory relief also extends to the groundwater classification. It is the Agency's position that the statutory relief for location of a potential source or route was not intended to extend to the groundwater quality standards. Such an extension of relief would be contrary to the statutory requirements for setback waivers and exceptions and could jeopardize human health in instances where potential sources were "grandfathered" within the minimum setback zones of potables wells upon the adoption of the Groundwater

Protection Act in 1987.

Board Question 18

Under Section 620.210(a)(4)(B), the Agency proposes to remove permeameter as an acceptable means to determine hydraulic conductivity, but retains the use of slug test, pump test or any other equivalent methods for the same purpose. Please comment on whether the Agency is aware any equivalent test that may be used to meet this requirement.

Agency Answer 18

Please see Agency Answer 6 to the Board questions.

Question 19

Section 620.210(a)(5) specifies, “the wellhead protection area of a community water supply well or well field, as defined in Section 620.110 and delineated pursuant to the methods incorporated by reference in Section 620.125.” Please identify the specific document(s) under Section 620.125 that include methods for delineating the wellhead protection area.

Agency Answer 19

The documents that describe the creation of wellhead protection areas are in the following documents: “Guidance Document for Groundwater Protection Needs Assessments,” Agency, Illinois State Water Survey, and Illinois State Geologic Survey Joint Report, January 1995 and “The Illinois Wellhead Protection Program Pursuant to Section 1428 of the Federal Safe Drinking Water Act,” Agency, # 22480, October 1992.

Question 20

Please comment on whether the Board note under Section 620.210 should be codified as a requirement.

Agency Answer 20

The Agency is not opposed to having the Board Note under Section 620.210 codified, but respectfully requests that any such codified subsection reflect the discussion provided in the Board’s Final Order, Opinion and Order of the Board R89-14(B), Page 12, which was the origin of the Board Note.

Section 620.250 Groundwater Management Zone

Board Question 21

Proposed Section 620.250(g) specifies a list of information that must be included in all groundwater management zone (GMZ) “applications” submitted pursuant to Section 620.250(a).

- a) *Has the Agency required that an “application” be submitted to it under Section 620.250(a) to establish a GMZ? If so, what form has this “application” taken?*

Agency Answer 21(a)

Yes, the Agency has required the submission of 620.APPENDIX D.

- b) If subsection (g) is adopted, would the establishment of a GMZ under subsection (a) require the submittal of a GMZ “application” to the Agency? If so, would the proposed “application” vary depending on the provision—subsection (a)(1) or subsection (a)(2)—under which the GMZ is being sought?*

Agency Answer 21(b)

Establishment of a GMZ would still require the submission of an application. The Agency envisions the continued use of 620.APPENDIX D for GMZ applications under subsection (a)(1) or (a)(2)

- c) Please comment on whether the Agency plans to develop a GMZ “application” form specifying the proposed informational requirements under subsection (g).*

Agency Answer 21(c)

The Agency believes the continued use of 620.APPENDIX D as the form of the GMZ application is adequate. The required submittals listed in Section 620.250(g) are likely to be developed as separate reports and studies, which would then be attachments to 620.APPENDIX D. Though at their dis creation, a GMZ applicant could insert the required information into the body of 620.APPENDIX D. The Agency’s purpose in proposing subsection (g) was to create a uniform minimum list of data that wouldn’t vary depending on the Agency project manager. It would further provide GMZ applicants a ready list of information that must be submitted to the Agency for review, any time a GMZ is being sought.

- d) Please comment on whether the Agency would reject a GMZ “application” if all information listed in Section 620.250(g) is not included.*

Agency Answer 21(d)

The Agency would not necessarily reject a GMZ application that didn’t include all of the information required by Section 620.250(g). However, all of the information required by Section 620.250(g) would have to be submitted to the Agency before a GMZ could be approved by the Agency.

- e) Is the proposed “application” designed to replace—or instead be in addition to—the submittal of similar information required by the Section 620.APPENDIX D “confirmation” (see Section 620.250(a)(2))?*

Agency Answer 21(e)

Please see Agency Answers 21(b) and (c) to Board questions.

- f) Is the proposed “application” designed to replace—or instead be in addition to—the submittal of similar information required through a “corrective action process approved by the Agency” (see Section 620.250(a)(1))?*

Agency Answer 21(f)

Please see Agency Answers 21(b) and (c) to Board questions.

Board Question 22

Section 620.250(g)(2) requires the identification of “specific” units present at the facility. Please clarify whether “specific” means only those that are impacting groundwater or all units at the facility.

Agency Answer 22

The Agency’s intent was that all units would be identified, since the presence and type of units present would have a strong bearing on the information required to satisfy subsections (g)(5), (6), (7) and (8) and potentially (9).

Board Question 23

Under Section 620.250(g)(4), please clarify whether the statement on groundwater classification must include a determination of the groundwater classification or classifications at the site or facility. If not, explain the proposed intent.

Agency Response 23

Yes, the intent is to have a GMZ applicant identify the class or classes of groundwater present on their site.

Board Question 24

Proposed Section 620.250(g)(9) appears to presume that the applicant will have selected the remedy before submitting the “application.” Is that the Agency’s intent or does the Agency contemplate a phased approach to information submittal, such as provided in Section 620.APPENDIX D?

Agency Response 24

Section 620.250(g)(9) was written to be applicable under both subsections (a)(1) and (a)(2). In the instance of subsection (a)(2) (under which no one has submitted a GMZ application to date) the remedy would have already been selected before the GMZ was approved. In the instance of subsection (a)(1), the GMZ applicant would have to commit to complete proposed corrective measures, the anticipated success of which has been predicted by the modeling or calculations required under subsection (g)(9)(B) and (C). Therefore, the remedy would have already been selected, as proposed measures, before the GMZ was approved.

Section 620.302 Applicability of Preventive Notification and Preventive Response Activities

Question 25

Under Section 620.302(b), the Agency amends the list of persons that conduct groundwater monitoring by adding groundwater monitoring conducted under Parts 615, 616, 807, 815 and 62 Ill. Adm. Code 1780 and 1784. Please comment on whether Parts 740, 816, and 817 should

also be added to make the list more comprehensive.

Agency Answer 25

The Agency appreciates the Board's question regarding the comprehensiveness of the cross-references listed in Section 620.302(b)(1). The cross-references were added in 1991 at the recommendation of JCAR. *See* In the Matter of Groundwater Quality Standards (35 Ill. Adm. Code 620), R89-14, Final Order, p. 17 (November 7, 1991). Prior to that time, Section 620.302(b)(1) simply stated the following:

- 1) An owner or operator of a regulated entity for which groundwater quality monitoring must be performed pursuant to State or Federal law or regulation;

Studying this provision in more detail in response to the Board's question, the Agency notes that Section 620.302 is in need of greater revision than initially proposed. Some of the cross-referenced citations have been repealed. In addition, many programs have been created since the cross-references were added in 1991. For example, subsequent to 1991, there was a shift in remedial policy to risk-based corrective action. This was accompanied by, among other things, the development and adoption of the Tiered Approach to Corrective Action Objectives (TACO) rules, the current Leaking UST Program rules, and the Site Remediation Program rules. These programs, like others, contain their own procedural requirements regarding groundwater monitoring and activities that must be conducted when groundwater contamination is detected. In other words, they do not need to rely upon the requirements in Subpart C of Part 620 regarding groundwater monitoring, notification, and response activities. To account for program-specific groundwater requirements that have been adopted over time outside of Part 620, the Agency recommends the following additional changes to Section 620.302 to avoid unnecessary conflict between Subpart C of Part 620 and program-specific requirements addressing groundwater monitoring and remediation:

Section 620.302 Applicability of Preventive Notification and Preventive Response Activities

- a) Preventive notification and preventive response activities, as specified in Sections 620.305 through 620.310, apply ~~applies~~ to:
 - 1) Class I groundwater under Section 620.210(a)(1), (a)(2), or (a)(3) that is monitored by the persons listed in subsection (b); or
 - 2) Class III groundwater that is monitored by the persons listed in subsection (b).
- b) For purposes of subsection (a), the persons that conduct groundwater monitoring are:
 - 1) An owner or operator of a regulated entity for which groundwater quality monitoring shall be performed pursuant to State or Federal law or regulation (e.g., 35 Ill. Adm. Code Parts 615, 616 and 807; 62 Ill. Adm. Code Parts 1816 and 1817. ~~section 106 and 107 of the Comprehensive Environmental~~

~~Response, Compensation and Liability Act (42 USC 9601, et seq.); sections 3004 and 3008 of the Resource Conservation and Recovery Act (42 USC 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, 750, 811 and 814). This subsection (b)(1) does not apply to an owner or operator of a regulated entity subject to program-specific requirements regarding groundwater contaminant notification and remediation (e.g., 35 Ill. Adm. Code Parts 731, 734, 740, 750, 807, 811, 814, or 815);~~

- 2) An owner or operator of a public water supply well who conducts groundwater quality monitoring;
 - 3) A State agency that is authorized to conduct, or is the recipient of, groundwater quality monitoring data (e.g., Illinois Environmental Protection Agency, Department of Public Health, Department of Agriculture, Office of State Fire Marshal or Department of Natural Resources); or
 - 4) An owner or operator of a facility that conducts groundwater quality monitoring pursuant to State or federal judicial or administrative order.
- d) If a contaminant exceeds a standard set forth in Section 620.410 or Section 620.430, the appropriate remedy is corrective action and Sections 620.305 and 620.310 do not apply.

Section 620.310 Preventative Response Activities

Board Question 26

Please clarify whether the reason for removing para-dichlorobenzene and ethylbenzene from the list under Section 620.310(a)(3)(A)(i) is because they were added under Section 620.310(a)(3)(A)(ii).

Agency Answer 26

The basis for removing para-dichlorobenzene and ethylbenzene from the table at Section 620.310(a)(3)(A)(i) is two-fold:

1. Both constituents now meet the definition of a carcinogen. The criteria represented in the table at Section 620.310(a)(3)(A)(i) are noncancer criteria. Therefore, para-dichlorobenzene and ethylbenzene's placement in the table are no longer appropriate.
2. As carcinogens with proposed health-based Class I GQS, their criteria should be based on a statistically significant increase above background for triggering a preventive response, based on proposed amendments to Section 620.310(a)(3)(A).

Board Question 27

The Agency proposes a comprehensive list of chemicals under Section 620.310(a)(3)(A)(ii) for which the trigger for preventive response is a statistically significant increase above background.

Please comment on whether all groundwater monitoring programs in the state include determination of background to determine statistically significant increases. If not, comment on whether the list under Section 620.310(a)(3)(A)(i) should be amended to include more chemical constituents to afford higher degree of protection to groundwater.

Agency Answer 27

The Agency is not aware of all groundwater monitoring programs at all agencies. However, every groundwater monitoring program should require the collection of background data, otherwise there's no way to determine if a monitored activity is impacting groundwater. Because Section 620.310(a)(3)(A)(i) does not contain a list of chemicals that trigger preventive response when background is exceeded, the Agency assumes this reference is a typographical error and the intended reference was Section 620.310(a)(3)(A)(ii). Under this assumption, the list in Section 620.310(a)(3)(A)(ii) should not be expanded. The reason constituents in Section 620.310(a)(3)(A)(ii) are set at background is to promote the non-degradation of groundwater and not allow the pollution of groundwater up to the numeric standard, because above the numeric standards, harm to human health or the environment can be expected. Preventive response can include any actions that may could also be applied for corrective action, but the activities are applied at lower contaminant concentrations. Part 620 allows mitigation of groundwater when it is impacted by a constituent before the constituent concentration rises to a level that would be consider contamination and pose environmental health risks. If the list was expanded to include constituents without numeric standards, mitigation could be required of constituents that have no know adverse health effects at much higher levels. Regulating constituents at their level of detection could prevent any anthropogenic effect on groundwater, which is not a reasonable or economically viable expectation.

Board Question 28

Several provisions under Section 620.310 refers to “appropriate regulatory agency”. Please provide a list of regulatory agencies that may make determinations specified in this section. Comment on whether the rule should include a list of appropriate regulatory agencies.

Agency Answer 28

Since the Agency is not aware of all groundwater monitoring programs within the State it is hesitant to provide a listing of appropriate regulatory agencies for fear that exclusion could be construed as rendering unlisted agencies as exempt. The Agency would not be opposed to including a list of example agencies, for example: (e.g. Illinois Environment Protection Agency, Illinois Department of Natural Resources, Illinois Department of Public Health, Illinois Department of Agriculture).

Section 620.410 Groundwater Quality Standards for Class I: Potable Resource Groundwater

Board Question 29

Please clarify whether the phrase “Illinois EPA Primary Drinking Water standards at 35 Ill Adm Code 611” that appears in several footnotes in Section 620.410 should be changed to “Illinois Primary Drinking Water standards at 35 Ill. Adm. Code 611”. See “Footnote c” under Section 620.410(a).

Agency Answer 29

The phrase should be changed to “Illinois Primary Drinking Water Standards at 35 Ill. Adm. Code 611.”

Section 620.420 Groundwater Quality Standards for Class II: General Resources Groundwater

Board Question 30

Section 620.420(a)(3) specifies an exception from Class II for barium and pH for groundwater within fill material meeting certain conditions that date back to more than 30 years ago. Please comment on whether this provision is still relevant and if the cutoff date of November 25, 1991 needs to be revised to account for groundwater within fill materials altered since the adoption of Part 620 in 1991.

Agency Answer 30

Barium is a common component of slag from iron and steel making. Ash derived from coal typically has a high pH. Both of these materials have been widely used as fill materials where they were available. Therefore, the Agency believes these exceptions resulting from the presence of fill material are still appropriate. The Agency believes the November 25, 1991 date for the Section 620.420(a)(3) exceptions is still appropriate, because any fill materials placed after the adoption of Part 620 should be required to meet all of the applicable groundwater standards without exemptions. The exemptions should only apply to those fill materials placed prior to the adoption of Part 620 (subsection (3)(A)) and those actively being placed at the time Part 620 was adopted (subsection (3)(B)).

Board Question 31

Please clarify whether the reference to subsection (e) in Sections 620.420(a)(1) and (b)(1) should be changed to subsection (d) because of the proposed renumbering of subsections.

Agency Answer 31

Yes. Due to the proposed renumbering, the reference to subsection (e) in Sections 620.420(a)(1) and (b)(1) should be changed to subsection (d).

Section 620.430 Groundwater Quality Standards for Class III: Special Resource Groundwater

Board Question 32

The preamble to this section requires that concentrations of inorganic and organic chemical constituents must not exceed the standards set forth in Section 620.410 except due to natural causes. Please clarify whether the organic chemical constituents include complex organic chemical mixtures, and atrazine and metabolites under Section 620.410(c).

Agency Answer 32

Natural sources of BETX chemicals do exist and could therefore be included. The Agency does not believe there are any natural sources of Atrazine or its metabolites and would therefore, not be included.

Board Question 33

In Section 620.430(b), please clarify whether “nature preserve” should be replaced with the “dedicated nature preserve” to be consistent with Section 620.230(b)(4). Also, comment on whether the Environmental Registers listed in Section 620.430(b)(1) should be incorporated by reference.

Agency Answer 33

The term “dedicated nature preserve” should be used in Section 620.430(b) to be consistent with Section 620.230(b)(4). The Agency is not opposed to adding the Environmental Registers listed in Section 620.430(b)(1) to the incorporations by reference, but notes that if this change is made the Environmental Registers listed in Section 620.430(b)(2) should also be added to the incorporations by reference.

Section 620.440 Groundwater Quality Standards for Class IV: Other Groundwater

Board Question 34

Please comment on whether the zone of attenuation under Part 816 should also be included in Section 620.440(b). Also, comment on whether the exception specified in this provision should be expanded to include unpermitted facilities.

Agency Answer 34

Part 816 does not reference a zone of attenuation. The Agency does not see a need to extend this provision to unpermitted facilities.

Section 620.450 Alternative Groundwater Quality Standards

Board Question 35

Section 620.450(a)(3) states that, “Prior to completion of a corrective action described in Section 620.250(a), the standards as specified in Sections 620.410, 620.420, 620.430, and 620.440 are not applicable to such released chemical constituent, provided that the initiated action proceeds in a timely and appropriate manner.”

- i) Please describe what types of factors the Agency has considered in determining whether initiated actions proceeded in “a timely and appropriate manner,” as that phrase is used in Section 620.450(a)(3).*

Agency Answer 35(i)

The Agency considers whether the construction of, or implementation of the corrective measures is proceeding on the schedule provided by the GMZ applicant. Once the corrective measures are in place, if they are being operated as planned and if the corrective measures, as verified by groundwater monitoring, are mitigating impacts to groundwater as predicted.

ii) For a GMZ

that has been established, whether under subsection (a)(1) or (a)(2) of Section 620.250, and

for which documentation has been submitted that meets the conditions for GMZ expiration under Section 620.250(c),

will the Agency necessarily have issued written approval of a “corrective action plan”?

Agency Answer 35(ii)

The Agency will have issued written approval of a GMZ, which necessarily includes some type of corrective action under subsection (a)(1) or (a)(2) which was approved by the Agency. However, GMZs will also include groundwater monitoring plans to verify the efficacy of the corrective action and most GMZs also include predictive modeling to estimate the nature of releases and when compliance with numerical standards can be expected.

iii) *Please comment on whether it would be acceptable to the Agency if Section 620.450(a)(3) is revised as follows:*

Before completing ~~Prior to completion~~ of a corrective action described in Section 620.250(a), the standards as specified in Sections 620.410, 620.420, 620.430, and 620.440 are not applicable to ~~such~~ the released chemical constituent, ~~if provided that the initiated~~ corrective action is ~~proceedings in a~~ timely and appropriate manner ~~compliance with a corrective action plan approved in writing by the Agency.~~

Agency Answer 35(iii)

The Agency does not oppose adding the requirement that the approved corrective action be in a corrective action plan that is approved by the Agency, but respectfully suggests the following modifications to the Board’s suggested language.

Before completing ~~Prior to completion~~ of a corrective action described in Section 620.250(a), the standards as specified in Sections 620.410, 620.420, 620.430, and 620.440 are not applicable to ~~such~~ the released chemical constituent, ~~if provided that the initiated~~ approved ~~corrective action is~~ proceedings in a ~~timely and appropriate manner~~ compliance with a corrective action plan approved as part of the GMZ in writing by the Agency.

Board Question 36

What types of evidence has the Agency considered when determining that corrective action is complete, the GMZ should expire, and the standards of Section 620.450(a)(4)(B) will apply?

Agency Answer 36

To date, the Agency has not determined that the standards of Section 620.450(a)(4)(B) should apply at any site with a GMZ established under Section 620.250(a). However, such a determination

would be based on groundwater monitoring that demonstrates, over time, that the corrective actions taken are no longer improving groundwater quality. Under those circumstances the Agency would not preclude an amendment to the corrective action plan that initiated additional corrective measures, with a corresponding change to the GMZ.

Board Question 37

What types of evidence has the Agency considered when determining that corrective action is not complete, the GMZ should continue, and the standards of Section 620.450(a)(4)(A) remain attainable?

Agency Answer 37

Groundwater analytical results that demonstrate improvement in groundwater quality at some groundwater monitoring locations within the GMZ, while other groundwater monitoring locations lag behind concentrations predicted by modeling, indicates additional corrective actions may be helpful.

Board Question 38

Are the Agency determinations described in questions 36 and 37 prompted only by owner/operator submittals under Section 620.250(c) seeking to end corrective action and terminate the GMZ?

Agency Answer 38

The Agency evaluates owner/operator submittals and only terminates a GMZ if it is in agreement with the owner/operator assessments of site conditions.

Board Question 39

Please clarify whether the “Department of Mines and Minerals” in Section 620.450(b)(3)(A)(ii) should be changed to the “Office of Mines and Minerals, Department of Natural Resources”.

Agency Answer 39

The correct reference should be: Illinois Department of Natural Resources, Office of Mines and Minerals.

Board Question 40

In Sections 620.450(b)(4)(A) and (C), (b)(5)(A) and (B), (b)(6)(A) and (C) and (b)(7)(A) and (B), please comment on whether the phrase “effective date of this Part” should be changed to November 25, 1991.

Agency Answer 40

Yes, the “effective date of this Part” should be replaced with “November 25, 1991”.

Board Question 41

The proposed amendments to Section 620. Appendix A (b)(4) states, “Uncertainty Factors shall be applied to the Point of Departure (“POD”) in increments of 1, 3, or 10, not to exceed a total UF of 10,000, and shall be used consistent with U.S. EPA guidance”. Please identify the specific

guidance document that applies to subsection (b)(4) and comment on whether that guidance document must be incorporated by reference.

Agency Answer 41

The specific document that applies to subsection (b)(4) is, "A Review of the Reference Dose and References Concentration Process", EPA/630/P-02/002F, December 2002." This document is incorporated by reference in the proposed amendments to Section 620.125.

Respectfully Submitted,

ILLINOIS ENVIRONMENTAL
PROTECTION AGENCY

Dated: March 4, 2022

1021 North Grand East
P.O. Box 19276
Springfield, Illinois 62794-9276
(217) 782-5544
sara.terranoa@illinois.gov

By: /s/ Sara Terranova
Assistant Council
Division of Legal Council

CERTIFICATE OF SERVICE

I, the undersigned, hereby certify that I have electronically served **THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY'S PRE-FILED ANSWERS TO THE ILLINOIS POLLUTION CONTROL BOARD'S QUESTIONS** on March 4, 2022, to the attached service list. I further certify that my email address is sara.terranoa@illinois.gov and that the email transmission took place before 5:00pm.

ILLINOIS ENVIRONMENTAL
PROTECTION AGENCY

Dated: March 4, 2022

1021 North Grand East
P.O. Box 19276
Springfield, Illinois 62794-9276
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By: /s/ Sara Terranova
Assistant Council
Division of Legal Council

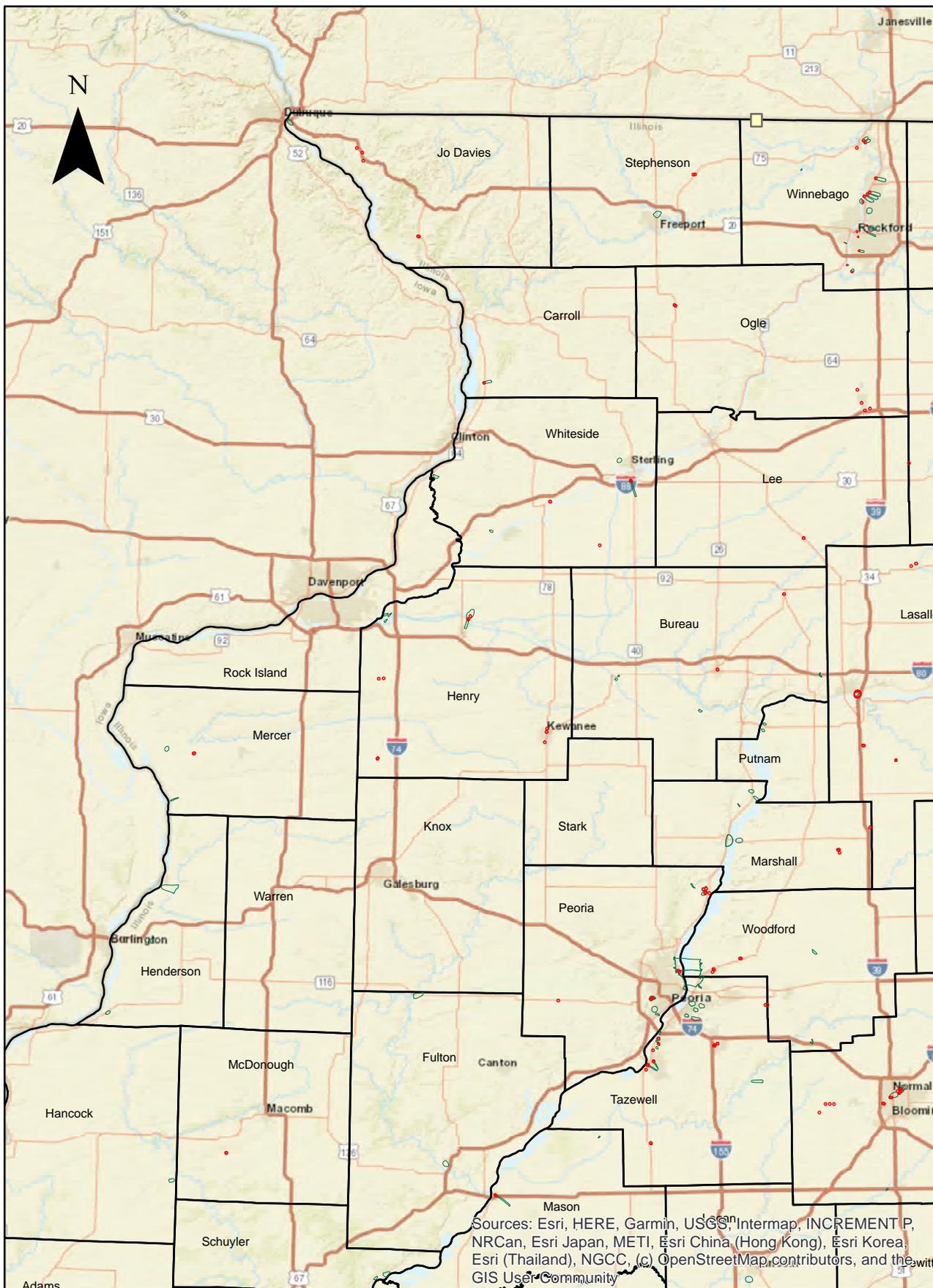
SERVICE LIST

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<p>James M. Morpew</p>	<p>Stephen R. Risotto</p>

<p>jmmorphew@sorlinglaw.com Sorling, Northrup, Hanna, Cullen & Cochran Ltd. 1 North Old State Capitol Plaza, Suite 200 PO Box 5131 Springfield, Illinois 62705</p>	<p>Senior Director, CPT srisotto@americanchemistry.com Michele Schoeppe Assistant General Counsel Michele_schoeppe@americanchemistry.com American Chemistry Council 700 2nd Street, NE Washington, DC 20002</p>
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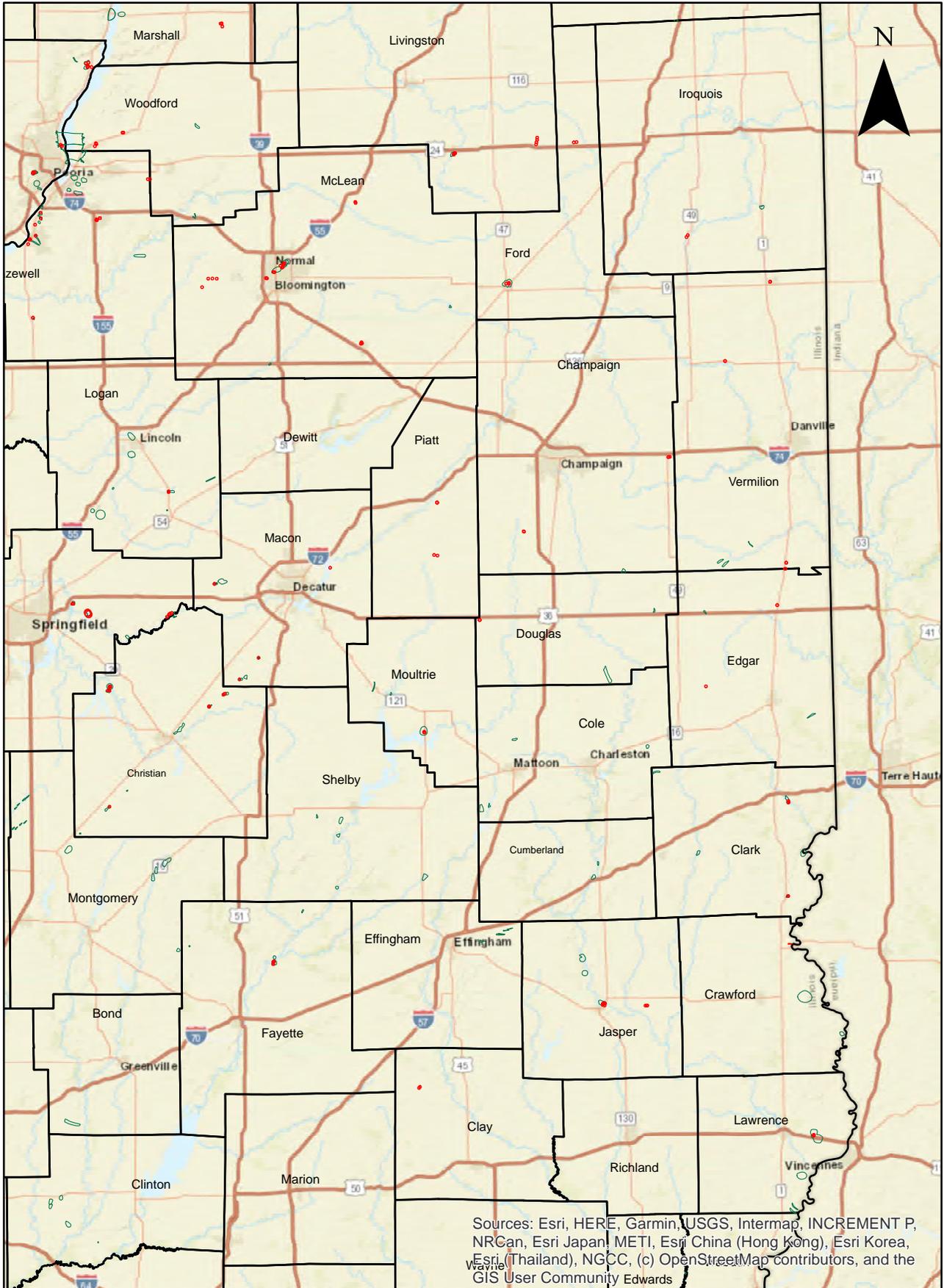
Attachment

1



Legend

-  Maximum Setback Zones
-  Recharge Areas



Legend

-  Maximum Setback Zones
-  Recharge Areas

Electronic Filing: Received, Clerk's Office 3/04/2022

County	Facility Number	Facility Name	Well ID Number	Maximum Setback Zone	Recharge Area
Adams	0015200	Clayton-Camp Point Water Commission	52008/52009/01409		x
Adams	0015200	Clayton-Camp Point Water Commission Mill Creek PWD/Expressway	01878/01879/01410/00752/00753/ 00754		x
Adams	0015300	MHP	52013/52014/00768/01814		x
Alexander	0030020	Southwater Inc.	00994/00995		x
Alexander	0030100	Tamms	00717/70040		x
Boone	0070050	Belvidere	11300/11301		x
Boone	0070050	Belvidere	11302		x
Boone	0070050	Belvidere	11305		x
Boone	0070050	Belvidere	11303		x
Boone	0070050	Belvidere	11307		x
Boone	0070150	POPLAR GROVE	11314	x	
Brown	0090200	Versailles	00977/00978		x
Bureau	0110250	Dalzell	11334/00500		x
Bureau	0110500	LA MOILLE	11344	x	
Bureau	0110500	LA MOILLE	11345	x	
Bureau	0110850	PRINCETON	11367	x	
Bureau	0110850	PRINCETON	11368	x	
Bureau	0110950	Sheffield	01146		x
Bureau	0110950	Sheffield	11374		x
Bureau	0111050	Tiskiliwa	11382/11383		x
		Calhoun County			
Calhoun	0130010	RWD	00888/00889		x
Calhoun	0130100	Brussels	60042/01109		x
Calhoun	0130200	Hardin	01095/01096		x
Calhoun	0130250	Kampsville	60115/60116		x
Carroll	0150350	Thomson	11726		x
Carroll	0150350	THOMSON	11727	x	x
Cass	0170050	Arenzeville	00760/00761		x
Cass	0170150	BEARDSTOWN	52070	x	x
Cass	0170150	BEARDSTOWN	52071	x	x
Cass	0170150	BEARDSTOWN	52073	x	x
Cass	0170150	BEARDSTOWN	52072	x	x
Cass	0170200	Chandlerville	00762/00763		x

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County	Facility Number	Facility Name	Well ID Number	Maximum Setback Zone	Recharge Area
Cass	0170250	VIRGINIA	01835	x	x
Cass	0170250	VIRGINIA	01836	x	x
Cass	0170250	VIRGINIA	01837	x	x
Cass	0170250	VIRGINIA	01838	x	x
Cass	0170250	VIRGINIA	01839	x	x
Cass	0170250	VIRGINIA	52083	x	
Cass	0170250	VIRGINIA	00970	x	
Champaign	0190350	Longview	00662/47674		x
Cass	0190500	OGDEN	47657	x	
Cass	0190500	OGDEN	47658	x	
Cass	0190500	OGDEN	47659	x	
Champaign	0190750	SADORUS	47680	x	
Champaign	0190750	SADORUS	47681	x	
Christian	0210050	ASSUMPTION	52043	x	x
Christian	0210050	ASSUMPTION	01418	x	x
Christian	0210050	ASSUMPTION	52044	x	x
Christian	0210150	EDINBURG	50353	x	x
Christian	0210150	EDINBURG	50354	x	x
Christian	0210150	EDINBURG	50355	x	x
Christian	0210150	EDINBURG	50356	x	x
Christian	0210150	EDINBURG	50357	x	x
Christian	0210150	EDINBURG	00319	x	x
Christian	0210150	EDINBURG	00320	x	x
Christian	0210300	Morrisonville	50236/50237		x
Christian	0210300	MORRISONVILLE	50238	x	x
Christian	0210350	Mt. Auburn	00861		x
Christian	0210450	Palmer	50202/50203		x
Christian	0210550	STONINGTON	50097	x	x
Christian	0210550	STONINGTON	01739	x	x
Christian	0210550	STONINGTON	02053	x	
Christian	0210600	Taylorville	52085/52086/52087/52088		x
Clark	0230010	Clark-Edgar Rural water District	01637/01638/01780		x
Clark	0230050	Casey	00343/01176/47794/47795		x
Clark	0230100	Marshall	01745/01746		x
Clark	0230100	MARSHALL	45154	x	x
Clark	0230100	MARSHALL	45155	x	x
Clark	0230100	MARSHALL	45156	x	x
Clark	0230200	Westfield	01231/47801/47800/00914		x

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County	Facility Number	Facility Name	Well ID Number	Maximum Setback Zone	Recharge Area
Clark	0235400	UNION-YORK WTR DSTRCT	45153	x	x
Clark	0235400	UNION-YORK WTR DSTRCT	00251	x	x
Clay	0250010	IOLA	00303	x	
Clay	0250010	IOLA	00304	x	
Masac	0270100	Aviston	01037		x
Clinton	0270100	Aviston	60008/60009		x
Clinton	0270150	Bartelso	60012/60013		x
Clinton	0270350	Germantown	01755/60085/60086/60087/60088		x
Clinton	0275250	St. Rose	01240		x
Clinton	0275250	St. Rose	00582/00583/01043		x
Coles	0290050	Ashmore	47760/47759		x
Coles	0295100	Clearwater Service Corp.	47765		x
Coles	0295100	Clearwater Service Corp.	00313		x
Coles	0295100	Clearwater Service Corp.	47761/47762/47763/47764		x
Coles	0295200	Cooks Mill Water Association	01748/01749/47766/47767/47768		x
Cook	0312790	SAUK	20600	x	
Cook	0312790	SAUK	20601	x	
Cook	0312790	SAUK	20602	x	
Crawford	0330020	Hardinville Water Co.	01566/01567/01643		x
Crawford	0330100	HUTSONVILLE	00164	x	
Crawford	0335030	Robinson-Palestine Water Commission	47803/47805/47806/00791/00982/ 00323		x
Cumberland	0350050	Greenup	00404/01183/47782/47783		x
Cumberland	0350200	Toledo	00284/00285		x
Dekalb	0370300	KIRKLAND	11424	x	
Dekalb	0370300	KIRKLAND	11425	x	
Douglas	0410200	Hindsboro	47742/47743/47744		x
Douglas	0410250	Newman	47741/01175		x
Edgar	0450100	CHRISMAN	47751	x	
Edgar	0450100	CHRISMAN	47752	x	
Dupage	0450150	Hume	47748/47749		x

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County	Facility Number	Facility Name	Well ID Number	Maximum Setback Zone	Recharge Area
		REDMON WTR			
Edgar	0450350	WKS INC	47755	x	
Edgar	0450400	Vermillion	47756/47757/00724		x
Edwards	0470050	ALBION	00735	x	x
Edwards	0470050	ALBION	70111	x	x
Edwards	0470050	ALBION	70112	x	x
Edwards	0470050	ALBION	70113	x	x
Edwards	0470050	ALBION	70110	x	x
Edwards	0470100	Bone Gap	70120/70121/70122		x
Effingham	0490350	Montrose	45174		x
Effingham	0490350	Montrose	45175		x
Effingham	0490450	Teutopolis	47828		x
Effingham	0490450	Teutopolis	47829		x
Effingham	0490450	Teutopolis	47830		x
		FAYETTE WTR.			
Fayette	0510010	CO.	01533	x	x
		FAYETTE WTR.			
Fayette	0510010	CO.	01014	x	x
		FAYETTE WTR.			
Fayette	0510010	CO.	01015	x	x
		FAYETTE WTR.			
Fayette	0510010	CO.	01013	x	x
		FAYETTE WTR.			
Fayette	0510010	CO.	01818	x	
		FAYETTE WTR.			
Fayette	0510010	CO.	01858	x	
Fayette	0510200	Ramsey	01076		x
Ford	0530100	Gibson City	47527		x
Ford	0530100	GIBSON CITY	47526	x	x
Ford	0530100	GIBSON CITY	47528	x	x
Ford	0530100	GIBSON CITY	47529	x	x
Ford	0530300	PIPER CITY	47532	x	
Ford	0530300	PIPER CITY	47533	x	
Fulton	0570050	Astoria	01011/52045/52046/52047 00376/00377/58012/58013/58014/		x
Fulton	0570600	Lewistown	58015/58016		x
Fulton	0574620	London Mills	00827/58046		x
Gallatin	0590150	New Haven	70380/70381		x
Gallatin	0590200	Old Shawneetown	70390/70391		x

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County	Facility Number	Facility Name	Well ID Number	Maximum Setback Zone	Recharge Area
Gallatin	0590300	Ridgeway	70410/70411/70412		x
Gallatin	0590300	Ridgeway	01928/01850		x
Greene	0610050	CARROLLTON	60045	x	x
Greene	0610050	CARROLLTON	60044	x	x
Greene	0610050	CARROLLTON	/01934	x	
Greene	0610100	Eldred	60067/60066		x
Grundy	0610200	Hillview	00706		x
Grundy	0610200	Hillview	60109		x
Greene	0610250	Kane	60118/60268		x
Greene	0610400	White Hall	01652/01087		x
Grundy	0630050	MAZON	22028	x	x
Grundy	0630050	MAZON	22029	x	x
Grundy	0630050	MAZON	22032	x	x
Grundy	0630050	MAZON	00232	x	x
Grundy	0630050	MAZON	01831	x	x
Grundy	0630050	MAZON	01832	x	x
Grundy	0630050	MAZON	01833	x	x
Grundy	0630050	MAZON	01834	x	x
Grundy	0630050	MAZON	22026	x	
Grundy	0630050	MAZON	22027	x	
Grundy	0630050	MAZON	00233	x	
Grundy	0630050	MAZON	01600	x	
Grundy	0630050	MAZON	01358	x	
Grundy	0630050	MAZON	01581	x	
Grundy	0630550	Minooka	00576/00577		x
Grundy	0635225	Shady Oaks MHP	22053/22051/01140/01919/00999		x
Hancock	0670550	Plymouth	50140/5014/01953		x
Hardin	0690100	Elizabethtown	70490/70491		x
Hardin	0690150	Rosiclare	70511/70512		x
		Dallas Rural Water			
Scott	0710010	District	01635/01636/01166/00870/00871		x
		Dallas Rural Water			
Scott	0710010	District	01469/01470/01471/01598/01599		x
Henderson	0710020	Gladstone	01128/01064/01646		x
Henry	0730050	ALPHA	01307	x	
Henry	0730050	ALPHA	01940	x	
Henry	0730400	Colona East	31717/31718		x
Henry	0730500	GENESE0	31728	x	x

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County	Facility Number	Facility Name	Well ID Number	Maximum Setback Zone	Recharge Area
Henry	0730500	GENESEO	31729	x	x
Henry	0730500	GENESEO	01668	x	x
Henry	0730550	Colona West	31733		x
Henry	0730650	KEWANEE	31796	x	
Henry	0730650	KEWANEE	31798	x	
Henry	0730650	KEWANEE	31799	x	
Henry	0730650	KEWANEE	31797	x	
Henrey	0730700	ORION	31802	x	
Henrey	0730700	ORION	31803	x	
		Colona			
Henry	0735345	West/Kershaw HHP	11035/11034/31734		x
Iroquois	0750200	CISSNA PARK	47592	x	
Iroquois	0750200	CISSNA PARK	47593	x	
Iroquois	0750650	Milford	47588/47589		x
Iroquois	0754240	Chebanse	47560		x
Iroquois	0754240	Chebanse	47558/47559		x
Jasper	0790010	E.J. Water Corp	00807/00808/01764/00920		x
Jasper	0790010	E.J. Water Corp	01353/01354/01237/01123		x
Jasper	0790100	NEWTON	00326	x	x
Jasper	0790100	NEWTON	00657	x	x
Jasper	0790100	NEWTON	01058	x	x
Jasper	0790100	NEWTON	01868	x	x
Jasper	0790100	NEWTON	01869	x	x
Jasper	0790100	NEWTON	47815	x	
Jasper	0790300	WILLOW HILL	47819	x	
Jasper	0790300	WILLOW HILL	47820	x	
Jasper	0790300	WILLOW HILL	47821	x	
Jersey	0830200	Grafton	01826/01827		x
Jersey	0830250	JERSEYVILLE	60113	x	x
Jersey	0830250	JERSEYVILLE	60114	x	x
Jersey	0830250	JERSEYVILLE	01171	x	x
Jo Daviess	0850100	East Dubuque	11730/11731/11732		x
Jo Daviess	0850200	GALENA	11739	x	
Jo Daviess	0850200	GALENA	11740	x	
Jo Daviess	0850200	GALENA	01535	x	
Jo Daviess	0850250	HANOVER	11744	x	
Jo Daviess	0850250	HANOVER	11743	x	
Johnson	0870050	Belknap	70770/70771		x

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County	Facility Number	Facility Name	Well ID Number	Maximum Setback Zone	Recharge Area
Kane	0890200	Carpentersville	20029		x
Kane	0890200	Carpentersville	20030		x
Kane	0890200	Carpentersville	00601		x
Kane	0890200	Carpentersville	20029		x
Kane	0890200	Carpentersville	20030		x
Kane	0890200	Carpentersville	00601		x
Kane	0890250	EAST DUNDEE	01089	x	x
Kane	0890250	EAST DUNDEE	20034	x	x
Kane	0890250	EAST DUNDEE	20033	x	x
Kane	0890350	GENEVA	00345	x	x
Kane	0890350	GENEVA	00584	x	x
Kane	0890350	Geneva	00961		x
Kane	0890350	Geneva	00961		x
Kane	0890800	South Elgin	00593		x
Kane	0890800	South Elgin	20097		x
Kane	0890800	South Elgin	20096		x
Kane	0890800	South Elgin	20098		x
Kane	0890800	South Elgin	01380		x
Kane	0890800	South Elgin	00593		x
Kane	0890800	South Elgin	20097		x
Kane	0890800	South Elgin	20096		x
Kane	0890800	South Elgin	20098		x
Kane	0890800	South Elgin	01380		x
Kane	0890850	SUGAR GROVE	00737	x	x
Kane	0890850	SUGAR GROVE	20108	x	x
Kane	0890850	Sugar Grove	20089		x
Kane	0890850	SUGAR GROVE	20088	x	x
Kane	0894070	Aurora	00344		x
Kane	0894070	Aurora	00612		x
Kane	0894070	Aurora	00611		x
			00610/00611/00612/21135/21139/		
Kane	0894070	Aurora	00344		x
Kane	0894070	Aurora	00611		x
Kane	0894070	Aurora	00612		x
Kane	0894070	Aurora	00344		x
Kane	0894130	Batavia	00732		x
Kane	0894130	Batavia	00733		x
Kane	0894130	Batavia	00945		x
Kane	0894130	Batavia	00945		x

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County	Facility Number	Facility Name	Well ID Number	Maximum Setback Zone	Recharge Area
Kane	0894130	Batavia	00733		x
Kane	0894130	Batavia	00732		x
Kane	0894380	ELGIN	22159	x	
Kane	0894380	ELGIN	22160	x	
Kane	0894380	ELGIN	22161	x	
Kane	0894380	ELGIN	22162	x	
Kane	0894380	ELGIN	22163	x	
Kane	0894380	ELGIN	22164	x	
Kane	0894380	ELGIN	22166	x	
Kane	0894380	ELGIN	22167	x	
Kane	0894380	ELGIN	22168	x	
Kane	0894380	ELGIN	22169	x	
Kane	0894690	Montgomery	00629		x
Kane	0894690	Montgomery	00405		x
Kane	0894690	Montgomery	00406		x
Kane	0894690	Montgomery	20069/00628		x
Kane	0894690	Montgomery	00629		x
Kane	0894830	ST CHARLES	00392	x	x
Kane	0894830	ST CHARLES	20105	x	x
Kane	0894830	St Charles	01414		x
Kane	0894830	St Charles	01414		x
Kane	0894830	ST CHARLES	20103	x	x
Kane	0895800	Util Inc Ferson Creek	20039/20040		x
Kane	0895800	Util Inc Ferson Creek	20039/20040		x
Kankakee	0910020	Lake Shannon	00137		x
Kankakee	0910650	Momence	00211		x
Kankakee	0910650	Momence	00116		x
Kankakee	0910650	Momence	22090		x
Kendall	0930200	Plano	01592		x
Kendall	0930200	Plano	20126/01588		x
Kendall	0930200	Plano	01698/00928		x
Kendall	0930200	PLANO	20127	x	x
Kendall	0930200	PLANO	20128	x	x
Kendall	0930200	PLANO	20129	x	x
Kendall	0930250	YORKVILLE	20134	x	
Kendall	0930250	YORKVILLE	20135	x	
Knox	0950200	Galesburg	50333/50334/50335/50336		x

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County	Facility Number	Facility Name	Well ID Number	Maximum Setback Zone	Recharge Area
		Hilldale Manor			
Lake	0975700	Water Co.	20306/02305		x
LaSalle	0990150	EARLVILLE	00973	x	
LaSalle	0990150	EARLVILLE	11456	x	
LaSalle	0990150	EARLVILLE	11457	x	
LaSalle	0990200	Grand Ridge	11460		x
LaSalle	0990300	LA SALLE	01551	x	x
LaSalle	0990300	LA SALLE	01112	x	x
LaSalle	0990300	LA SALLE	00815	x	x
LaSalle	0990300	LA SALLE	00604	x	x
LaSalle	0990300	LA SALLE	11467	x	x
LaSalle	0990300	LA SALLE	11465	x	x
LaSalle	0990300	LA SALLE	01762	x	x
LaSalle	0990400	Leanore	11473		x
LaSalle	0990400	LEONORE	11474	x	x
LaSalle	0991150	TONICA	11526	x	
LaSalle	0991150	TONICA	11525	x	
Lawrence	1010100	Bridgeport	01907/01908/01909		x
Lawrence	1010150	Lawrenceville	01884/01885/01768/01769		x
Lawrence	1010150	LAWRENCEVILLE	00742	x	x
Lawrence	1010150	LAWRENCEVILLE	00403	x	
Lawrence	1010150	LAWRENCEVILLE	70842	x	
Lawrence	1010250	St Francisville	70861/70862		x
Lawrence	1010250	St Francisville	01322/01889		x
Lee	1030500	SUBLETTE	11576	x	
Lee	1030500	SUBLETTE	11575	x	
Lee	1034600	LEE	11567	x	
Livingston	1050100	CHATSWORTH	47500	x	
Livingston	1050100	CHATSWORTH	47501	x	
Livingston	1050100	CHATSWORTH	47502	x	
Livingston	1050100	CHATSWORTH	47503	x	
Livingston	1050350	FAIRBURY	40040	x	x
Livingston	1050350	FAIRBURY	40042	x	x
Livingston	1050350	FAIRBURY	40043	x	x
Livingston	1050350	FAIRBURY	40044	x	x
Livingston	1050350	FAIRBURY	00830	x	x
Livingston	1050350	FAIRBURY	00829	x	x
Logan	1070100	Broadwell	58072/58073/01323/01324		x
Logan	1070150	Elkhart	50352/50014		x

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County	Facility Number	Facility Name	Well ID Number	Maximum Setback Zone	Recharge Area
Logan	1070400	Mount Pulaski	50220		x
Logan	1070400	MOUNT PULASKI	50221	x	x
Logan	1070400	MOUNT PULASKI	50222	x	x
Logan	1070400	MOUNT PULASKI	50223	x	x
Logan	1075030	United Water Illinois	58032/58030		x
Logan	1075030	United Water Illinois Beason Chestnut	58033/58031/00373/00374		x
Logan	1075150	PWD	58042/01607		x
McDonough	1090200	COLCHESTER	58084	x	
McDonough	1090200	COLCHESTER	58083	x	
McDonough	1090200	COLCHESTER	58081	x	
McDonough	1090200	COLCHESTER	58080	x	
McHenry	1110050	Algonquin	00910		x
McHenry	1110050	Algonquin	00909		x
McHenry	1110050	Algonquin	20217		x
McHenry	1110050	Algonquin	00648/01395		x
McHenry	1110050	Algonquin	00186		x
McHenry	1110050	Algonquin	00910		x
McHenry	1110050	Algonquin	00909		x
McHenry	1110050	Algonquin	20217		x
McHenry	1110050	Algonquin	00648/01395		x
McHenry	1110050	Algonquin	00186		x
McHenry	1110100	Cary	00952/20144/00705		x
McHenry	1110100	Cary	20142/00306		x
McHenry	1110150	Crystal Lake	00845/00846/00847		x
McHenry	1110150	Crystal Lake	00590		x
McHenry	1110150	Crystal Lake	01085/01086		x
McHenry	1110150	Crystal Lake	00591/00592		x
McHenry	1110200	Fox River Grove	20154/20155/00983/01394		x
McHenry	1110250	Harvard	/00926		x
McHenry	1110250	HARVARD	00335	x	x
McHenry	1110250	HARVARD	20202	x	x
McHenry	1110300	HEBRON	20187	x	
McHenry	1110300	HEBRON	01210	x	
McHenry	1110350	HUNTLEY	00839	x	
McHenry	1110400	Lake In The Hills	20197/		x

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County	Facility Number	Facility Name	Well ID Number	Maximum Setback Zone	Recharge Area
McHenry	1110400	LAKE IN THE HILLS	01045	x	x
McHenry	1110400	LAKE IN THE HILLS	00707	x	x
McHenry	1110400	LAKE IN THE HILLS	20194	x	x
McHenry	1110400	LAKE IN THE HILLS	20195	x	x
McHenry	1110400	LAKE IN THE HILLS	20198	x	x
McHenry	1110400	LAKE IN THE HILLS	01203	x	x
McHenry	1110400	LAKE IN THE HILLS	01450	x	x
McHenry	1110400	LAKE IN THE HILLS	01190	x	x
McHenry	1110400	LAKE IN THE HILLS	01596	x	
McHenry	1110400	LAKE IN THE HILLS	01870	x	
McHenry	1110400	LAKE IN THE HILLS	01046	x	
McHenry	1110600	McHenry	20027/20028		x
McHenry	1110600	McHenry	20010/20011		x
McHenry	1110600	McHenry	01351		x
McHenry	1110600	McHenry	01597		x
McHenry	1110650	Marengo	/01528		x
McHenry	1110650	MARENGO	20193	x	x
McHenry	1110650	MARENGO	00849	x	x
McHenry	1110750	Richmond	01303		x
McHenry	1110750	Richmond	20189		x
McHenry	1110900	Union	20173/00276/20174		x
McHenry	1110950	WOODSTOCK	01108	x	x
McHenry	1110950	WOODSTOCK	00609	x	x
McHenry	1110950	WOODSTOCK	00608	x	x
McHenry	1110950	WOODSTOCK	00607	x	x
McHenry	1110950	WOODSTOCK	00630	x	x
McHenry	1110950	WOODSTOCK	01220	x	x

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County	Facility Number	Facility Name	Well ID Number	Maximum Setback Zone	Recharge Area
		Utilities Inc - Holiday			
McHenry	1115350	Hills	20175/20176/00840/01335		x
McLean	1130650	Heyworth	01250/47626/47627		x
McLean	1130750	LE ROY	40022	x	
McLean	1130750	LE ROY	40024	x	
McLean	1130750	LE ROY	40026	x	
McLean	1130800	LEXINGTON	45021	x	
McLean	1130800	LEXINGTON	45022	x	
McLean	1130900	NORMAL	45035	x	x
McLean	1130900	NORMAL	45036	x	x
McLean	1130900	NORMAL	45037	x	x
McLean	1130900	NORMAL	45038	x	x
McLean	1130900	NORMAL	45039	x	x
McLean	1130900	NORMAL	45040	x	x
McLean	1130900	NORMAL	45042	x	
McLean	1130900	NORMAL	45043	x	
McLean	1130900	NORMAL	45044	x	
McLean	1130900	NORMAL	45045	x	
McLean	1130900	NORMAL	45046	x	
McLean	1130900	NORMAL	00383	x	
McLean	1130900	NORMAL	01697	x	
McLean	1130900	NORMAL	01589	x	
McLean	1130900	NORMAL	01590	x	
McLean	1130950	Saybrook	47607/47608/47609		x
Mason	1150100	Blue Mound	47497		x
Macon	1150100	BLUE MOUND	00396	x	x
Macon	1150210	Harristown	47719/00665		x
Macon	1150250	Macon	45141/01168		x
Macon	1150250	MACON	45140	x	x
Macon	1150400	Niantic	01006		x
Macon	1150400	NIANTIC	47720	x	x
Macon	1150400	NIANTIC	47721	x	x
		LONG CREEK			
Macon	1155150	TWSP	45114	x	
Madison	1190050	ALHAMBRA	60003	x	
Madison	1190050	ALHAMBRA	60005	x	
Madison	1190150	BETHALTO	60016	x	x
Madison	1190150	BETHALTO	60017	x	x
Madison	1190150	BETHALTO	60018	x	x

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County	Facility Number	Facility Name	Well ID Number	Maximum Setback Zone	Recharge Area
Madison	1190150	BETHALTO	60019	x	x
Madison	1190150	BETHALTO	60020	x	x
Madison	1190150	BETHALTO	60021	x	x
Madison	1190150	BETHALTO	60022	x	x
			00696/00697/00698/00699/00715/		
Madison	1190200	East Alton	60059/60060/60058		x
Madison	1190250	Edwardsville	01133/01212/01213/01134		x
Madison	1190250	Edwardsville	01886/01888		x
Madison	1190250	EDWARDSVILLE	60064	x	x
Madison	1190250	EDWARDSVILLE	60065	x	x
Madison	1190250	EDWARDSVILLE	00334	x	x
Madison	1190250	EDWARDSVILLE	60063	x	
Madison	1190500	HARTFORD	60105	x	x
Madison	1190500	HARTFORD	60106	x	x
Madison	1190750	MARYVILLE	60131	x	x
Madison	1190750	MARYVILLE	60132	x	x
Madison	1190750	MARYVILLE	60133	x	x
Madison	1190900	Roxana	01911/60168/60169/60170		x
Madison	1191000	TROY	60217	x	x
Madison	1191000	TROY	60219	x	x
Madison	1191000	TROY	60218	x	x
Madison	1191000	TROY	00332	x	x
Madison	1191150	Wood River	60270/01817		x
Madison	1191150	WOOD RIVER	60229	x	x
Madison	1191150	WOOD RIVER	60230	x	x
Madison	1191150	WOOD RIVER	60232	x	x
Madison	1191150	WOOD RIVER	60231	x	x
Madison	1194280	COLLINSVILLE	60051	x	x
Madison	1194280	COLLINSVILLE	60052	x	x
Madison	1194280	COLLINSVILLE	60053	x	x
Madison	1194280	COLLINSVILLE	60055	x	x
Madison	1194280	COLLINSVILLE	01573	x	x
Madison	1194280	COLLINSVILLE	01860	x	x
Madison	1194280	COLLINSVILLE	01915	x	x
Marshall	1230050	Henry	31303		x
Marshall	1230050	Henry	31301/31302		x
Marshall	1230100	Lacon	31307/31305/31306		x
Marshall	1230200	Sparland	31312/31313		x
Marshall	1230200	Sparland	31312/31313		x

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County	Facility Number	Facility Name	Well ID Number	Maximum Setback Zone	Recharge Area
Marshall	1230250	TOLUCA	31315	x	
Marshall	1230250	TOLUCA	31316	x	
Marshall	1230250	TOLUCA	01304	x	
Marshall	1234950	WENONA	00824	x	
Marshall	1234950	WENONA	31323	x	
		Autumn Ridge			
Marshall	1235125	Estates	01059/11066		x
Mason	1250100	Easton	50370/50371		x
Mason	1250200	Havana	50306		x
Mason	1250200	HAVANA	50307	x	x
Mason	1250200	HAVANA	50308	x	x
Mason	1250300	Manito	00136		x
Mason	1250300	Manito	00744		x
Menard	1290050	Athens	52048/01527/01826		x
Menard	1290050	ATHENS	52049	x	x
Menard	1290100	GREENVIEW	50325	x	x
Menard	1290100	GREENVIEW	50326	x	x
Menard	1290200	PETERSBURG	50158	x	x
Menard	1290200	PETERSBURG	00578	x	x
Menard	1290250	Tallula	50089/50090		x
Mercer	1310050	Aledo	01287/01288/01289		x
Mercer	1310100	JOY	31815	x	
Mercer	1310100	JOY	31814	x	
Mercer	1310150	Keithsburg	00789/00790		x
		Fountain Water			
Monroe	1330020	District	00841/00842		x
Montgomery	1350200	Farmersville	52093		x
Montgomery	1350200	Farmersville	52095		x
Montgomery	1350200	Farmersville	52094		x
Montgomery	1350200	Farmersville	52090/52091/52092		x
Montgomery	1350250	Fillmore	01366		x
Montgomery	1350250	Fillmore	01507/50343/50344		x
			00305/00925/52108/52112/52113/		
Montgomery	1350450	Nokomis	52114		x
Montgomery	1350450	Nokomis	01191/01867		x
Montgomery	1350550	Raymond	01234/50134/01939		x
Montgomery	1350700	Waggoner	50023/50024		x
Montgomery	1350700	Waggoner	00141		x
Montgomery	1350700	Waggoner	00140		x

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County	Facility Number	Facility Name	Well ID Number	Maximum Setback Zone	Recharge Area
Montgomery	1350850	Witt	55002/55003/55004/55005		x
Montgomery	1354500	Harvel	00155/50309		x
Morgan	1370200	Jacksonville	52121/52122/Ranney		x
Morgan	1370200	JACKSONVILLE	52120	x	
Morgan	1370300	Meredosia	01416/50252/50253/50255		x
Morgan	1370400	South Jacksonville	01464		x
Morgan	1370400	South Jacksonville	01463		x
Morgan	1390100	Bethany	45013/45014		x
Morgan	1390100	Bethany	45016/45017		x
Moultrie	1390300	Sullivan	01819/01708/01910		x
Moultrie	1390300	SULLIVAN	45138	x	x
Moultrie	1390300	SULLIVAN	00240	x	x
Moultrie	1390300	SULLIVAN	00572	x	x
Moultrie	1394040	ARTHUR	40012	x	
Moultrie	1394040	ARTHUR	01442	x	
Moultrie	1394040	ARTHUR	01443	x	
Ogle	1410200	FORRESTON	00922	x	
Ogle	1410200	FORRESTON	11785	x	
Ogle	1410500	ROCHELLE	11810	x	
Ogle	1410500	ROCHELLE	11814	x	
Ogle	1410500	ROCHELLE	01537	x	
Ogle	1410500	ROCHELLE	11944	x	
Peoria	1430200	CHILLICOTHE	50389	x	x
Peoria	1430200	CHILLICOTHE	50390	x	x
Peoria	1430200	CHILLICOTHE	50391	x	x
Peoria	1430200	CHILLICOTHE	50392	x	x
Peoria	1430200	CHILLICOTHE	50393	x	x
Peoria	1430200	CHILLICOTHE	01326	x	x
Peoria	1434750	Peoria Heights	50197/50195		x
Peoria	1434750	PEORIA HEIGHTS	50198	x	x
Peoria	1434750	PEORIA HEIGHTS	50196	x	x
Peoria	1434750	PEORIA HEIGHTS	50194	x	x
Peoria	1435030	IAWC Peoria	01137/01136/52145/01135/52151/ 52149/52152		x
Peoria	1435030	IAWC Peoria	52142/52143		x
Peoria	1435030	IAWC Peoria	52158/01246/01804		x
Peoria	1435030	IAWC Peoria	52153/52155/52156/01735		x
Peoria	1435170	Fawn Hills Subdivision	50185/50186		x

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County	Facility Number	Facility Name	Well ID Number	Maximum Setback Zone	Recharge Area
Peoria	1435200	Fahnstock Court Subdv	50187		x
Peoria	1435470	PLEASANT VALLEY PWD	50172	x	x
Peoria	1435470	PLEASANT VALLEY PWD	50173	x	x
Peoria	1435470	PLEASANT VALLEY PWD	00310	x	x
Peoria	1435510	TRIVOLI PWD	50164	x	
Peoria	1435600	Stever District Impv Assc	50166/01218		x
Piatt	1470050	BEMENT	47711	x	
Piatt	1470050	BEMENT	47712	x	
Piatt	1470350	MONTICELLO	45029	x	
Piatt	1470350	MONTICELLO	45030	x	
Piatt	1470350	MONTICELLO	45031	x	
Piatt	1470350	MONTICELLO	45032	x	
Pike	1490050	Barry	01389/01936		x
Pike	1490300	Griggsville	50323/50324		x
Pike	1490300	Griggsville	01877/50319/01968/01969		x
Pike	1490350	Hull	01187/01188		x
Pike	1490400	Kinderhook	00588/00589		x
Pike	1490550	New Canton	50215/50216		x
Pike	1490650	Pearl	01173/01169		x
Pike	1490750	Pittsfield	01701/01871		x
Pike	1490800	PLEASANT HILL	50145	x	x
Pike	1490800	PLEASANT HILL	50146	x	x
Pike	1490800	PLEASANT HILL	50147	x	x
Pike	149500	Pike County PWD 1	50152/50153/01225		x
Pike	1495000	Pike County PWD 1	01226/01227/01776		x
Pope	1515050	Millstone PWD	00757/01016/01579		x
Pulaski	1530050	Karnak	71072		x
Putnam	1555100	Hennepin PWD	11604		x
Putnam	1555100	Hennepin PWD	11602/11603		x
Randolph	1570450	Redbud	00318/00718		x
St. Clair	1630350	Dupo	00878/00879		x
St. Clair	1631200	St. Libory	60202/01081		x

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County	Facility Number	Facility Name	Well ID Number	Maximum Setback Zone	Recharge Area
St. Clair	1635050	Mound PWD	60187/60185		x
Saline	1655300	Saline Valley Consevaney District	71300/71301/71302		x
Saline	1655300	Saline Valley Consevaney District	00728		x
Saline	1655300	Saline Valley Consevaney District	01510/01511/01331		x
Sangamon	1670400	Dawson	50379		x
Sangamon	1670400	DAWSON	01228	x	x
Sangamon	1670400	DAWSON	01455	x	x
Sangamon	1670400	DAWSON	50380	x	x
Sangamon	1670550	Illioopolis	00883		x
Sangamon	1670550	ILLIOPOLIS	00398	x	x
Sangamon	1670550	ILLIOPOLIS	00749	x	x
Sangamon	1670550	ILLIOPOLIS	01121	x	x
Sangamon	1670550	ILLIOPOLIS	50112	x	x
Sangamon	1670950	Riverton	50126/01267		x
Sangamon	1670950	RIVERTON	00661	x	x
Sangamon	1670950	RIVERTON	00660	x	x
Sangamon	1670950	RIVERTON	50127	x	x
Sangamon	1675150	Mechanicsburg- Buffalo Water Comm	01773/01882/50110/50111		x
Sangamon	1675350	Curran-Gardner Township PWD	00330/01429/50002/50003/50004		x
Schuyler	1690050	Browning	01177/00351		x
Schuyler	1690200	Rushville	01760/01118/01119/00903		x
Scott	1710100	Bluffs	01315/01316		x
Scott	1710100	Bluffs	58061/58062		x
Scott	1710350	Winchester	/01903		x
Scott	1710350	WINCHESTER	00117	x	x
Scott	1710350	WINCHESTER	00118	x	x
Shelby	1730050	Cowden	01461/01465/45186/45187		x
Shelby	1730150	Herrick	45188/01026		x
Shelby	1730200	Moweaqua	47835/47836/00885		x

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County	Facility Number	Facility Name	Well ID Number	Maximum Setback Zone	Recharge Area
			47775/47771/47770/47769/01269/		
Shelby	1730300	Shelbyville	01268		x
Shelby	1730300	Shelbyville	47772/47773/47774		x
Shelby	1730400	Stewardson	01209/45181		x
Shelby	1730500	Tower Hill	45184/45185		x
Stephenson	1770100	DAKOTA	11853	x	
Stephenson	1770100	DAKOTA	11852	x	
Stephenson	1770200	Freeport	11858/11859/11860/11862/11863		x
Tazewell	1790100	Creve Coeur	50382/50383/50384		x
Tazewell	1790200	East Peoria	50363/50364		x
Tazewell	1790200	East Peoria	00722/00311/01057		x
Tazewell	1790200	East Peoria	50365/50362		x
Tazewell	1790200	East Peoria	50361/01004/01634		x
Tazewell	1790250	GREEN VALLEY	50328	x	x
Tazewell	1790250	GREEN VALLEY	50327	x	x
Tazewell	1790350	Mackinaw	01061/58052/58053/58054		x
Tazewell	1790400	Marquette Heights MARQUETTE	50282/01782		x
Tazewell	1790400	HEIGHTS	50280	x	
Tazewell	1790500	MORTON	50228	x	
Tazewell	1790500	MORTON	50229	x	
Tazewell	1790500	MORTON	50230	x	
Tazewell	1790500	MORTON	50231	x	
Tazewell	1790500	MORTON	50232	x	
Tazewell	1790500	MORTON	50233	x	
Tazewell	1790500	MORTON	50234	x	
Tazewell	1790500	MORTON	50235	x	
Tazewell	1790550	North PeKin	01656		x
Tazewell	1790550	NORTH PEKIN IL AMERICAN-	50211	x	x
Tazewell	1795040	PEKIN IL AMERICAN-	50056	x	x
Tazewell	1795040	PEKIN IL AMERICAN-	50057	x	x
Tazewell	1795040	PEKIN IL AMERICAN-	50058	x	x
Tazewell	1795040	PEKIN	50060	x	x

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County	Facility Number	Facility Name	Well ID Number	Maximum Setback Zone	Recharge Area
Tazewell	1795040	IL AMERICAN- PEKIN	50061	x	x
Tazewell	1795040	IL AMERICAN- PEKIN	50062	x	
Tazewell	1795040	IL AMERICAN- PEKIN	50063	x	
Tazewell	1795200	Groveland Township Water District	50075/50076		x
Tazewell	1795780	North Tazewell PWD	50050/50051/50049		x
Union	1810150	COBDEN	71360	x	
Union	1810150	COBDEN	71361	x	
Union	1815050	Anna-Jonesboro Water Commission	71354		x
Union	1815050	Anna-Jonesboro Water Commission	01238/71350/71351/71352		x
Vermilion	1830450	HOOPESTON	45263	x	
Vermilion	1830450	HOOPESTON	45264	x	
Vermilion	1830500	Indianola	47696		x
Vermilion	1830650	POTOMAC	47703	x	
Vermilion	1830650	POTOMAC	47704	x	
Vermilion	1830750	RIDGE FARM	45052	x	
Vermilion	1830750	RIDGE FARM	45050	x	
Vermilion	1830750	RIDGE FARM	45051	x	
Vermilion	1830750	RIDGE FARM	01544	x	
Vermilion	1830850	Sidell	01157		x
Vermilion	1830850	Sidell	47692/01292		x
Wabash	1850150	Keensburg	01044/01370		x
Wabash	1850200	MOUNT CARMEL	01047	x	x
Wabash	1850200	MOUNT CARMEL	01048	x	x
Wabash	1850200	MOUNT CARMEL	01049	x	x
White	1930100	CARMI	71570	x	x
White	1930100	CARMI	71571	x	x
White	1930100	CARMI	71572	x	x
White	1930100	CARMI	71573	x	x
White	1930350	NORRIS CITY	71620	x	x
White	1930350	NORRIS CITY	71621	x	x
White	1934460	Grayville	71601		x

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County	Facility Number	Facility Name	Well ID Number	Maximum Setback Zone	Recharge Area
White	1934460	GRAYVILLE	71600	x	x
White	1934460	GRAYVILLE	01070	x	x
White	1934460	GRAYVILLE	71602	x	x
Whiteside	1950050	Albany	11893/11894		x
Whiteside	1950200	Erie	11898/11892		x
Whiteside	1950300	LYNDON	11904	x	
Whiteside	1950300	LYNDON	11905	x	
Whiteside	1950450	ROCK FALLS	00716	x	x
Whiteside	1950450	ROCK FALLS	11917	x	x
Whiteside	1950450	ROCK FALLS	11919	x	x
Whiteside	1950450	ROCK FALLS	02067	x	
Whiteside	1950550	TAMPICO	11934	x	
Whiteside	1955040	IAWC - Sterling	00750/11927/11928		x
Will	1970200	Channahon	00384/01020/01666		x
Will	1970450	Joliet	01651		x
Will	1970450	Joliet	22119/01751		x
Will	1970450	Joliet	01685		x
Will	1970450	Joliet	01684		x
Will	1970450	Joliet	22118/01752		x
Winnebago	2010060	Maryville Farm Campus	00820		x
Winnebago	2010060	Maryville Farm Campus	00821		x
Winnebago	2010150	Loves Park	11613/11614		x
Winnebago	2010300	Rockford	11628		x
Winnebago	2010300	ROCKFORD	11629	x	x
Winnebago	2010300	ROCKFORD	11636	x	x
Winnebago	2010300	ROCKFORD	11651	x	x
Winnebago	2010300	ROCKFORD	11652	x	x
Winnebago	2010300	ROCKFORD	11662	x	x
Winnebago	2010300	ROCKFORD	11638	x	
Winnebago	2010300	ROCKFORD	11656	x	
Winnebago	2010300	ROCKFORD	11639	x	
Winnebago	2010350	Rockton	/01789		x
Winnebago	2010350	ROCKTON	11665	x	x
Winnebago	2010350	ROCKTON	00796	x	x
Winnebago	2010350	ROCKTON	11666	x	
Winnebago	2015500	NORTH PARK PWD	11691	x	x

Electronic Filing: Received, Clerk's Office 3/04/2022

County	Facility Number	Facility Name	Well ID Number	Maximum Setback Zone	Recharge Area
Winnebago	2015500	NORTH PARK PWD	11692	x	x
Winnebago	2015500	NORTH PARK PWD	11693	x	x
Winnebago	2015500	NORTH PARK PWD	11694	x	x
Winnebago	2015565	Near town MHP	11145		x
Woodford	2030100	Congerville	01018		x
Woodford	2030100	Congerville	31406		x
Woodford	2030200	EUREKA	31414	x	
Woodford	2030200	EUREKA	31415	x	
Woodford	2030350	METAMORA	31424	x	
Woodford	2030350	METAMORA	31425	x	
Woodford	2030550	Roanoke	31432/31434/00331/01138		x
Woodford	2035030	CATERPILLAR TRAIL PWD	00913	x	
Woodford	2035030	CATERPILLAR TRAIL PWD	00289	x	
Woodford	2035030	CATERPILLAR TRAIL PWD	01487	x	