

BIII COMPTON JUNE 1, 2018 PRESENTATION MAHOMET AQUIFER TASK FORCE SUBCOMMITTEE B ITHOUGHT I RETIRED

Involvement in Illinois Source Water/ Public Water Supply Issues

- Caterpillar Illinois Facilities
 - Five Groundwater, One Surface
 - Regulatory and Legislative Involvement
- Groveland Township Water District, Chairman Emeritus
- > Illinois Chamber of Commerce Environment Committee
- > Illinois Environmental Regulatory Group, Executive Committee, Chairman Emeritus
- > IGPA Groundwater Advisory Council
- > IGPA Central Region Groundwater Protection Committee
- > Numerous IEPA, IDNR Committee, Regional Project Initiatives
- IDNR Middle Illinois Basin Water Supply Regional Study (Ongoing)

Focus on Local Governments

- > Local government authority to protect groundwater includes:
- > adopting maximum setback zone ordinances
- > conducting groundwater protection needs assessments
- participating in the establishment of priority groundwater planning regions and regulated recharge areas
- and adopting setbacks as a zoning overlay district.

Groundwater Protection by Local Governments

Department of Urban and Regional Planning University of Illinois at Urbana-Champaign

Keep in Mind

- > Unintended Consequences
- Charles Hostetler: Need to understand the content of the regulations and how well they work
 - Are they (or will they) be effective and useful
 - Need to understand the content before approval of blanket recommendations
 - Whether they impose unfunded mandates
 - Whether the local governments will budget to sustain the recommendations
 - (From Draft April 16,2018 Minutes from the Sub-Committee Meeting)

Illinois Groundwater Protection Act (IGPA) (P.A. 85-086, 1987

- IGPA-a unified, prevention-oriented program that relies on state and local partnerships by enhancing cooperation and
- > Providing for surveys, mapping and assessments
- > Requiring groundwater quality standards
- > Setting groundwater protection policy
- > Monitoring ambient groundwater quality

Illinois Groundwater Protection Act (IGPA) (P.A. 85-086, 1987) (Cont.)

- > Establishing water well protection zones
- > Establishing authority for recharge area protection
- Requiring technology control regulations
- Establishing a regional groundwater protectionplanning program
- > Establishing a groundwater education program

IGPA-a Unified, Prevention-oriented Program that relies on State and Local Partnerships by Enhancing Cooperation

- > Assigned various administrative and technical duties and responsibilities to the Illinois EPA and the Illinois Dept. of Natural Resources
- > Established
 - Interagency Coordinating Committee on Groundwater (ICCG)
 - Groundwater Advisory Council (GAC)
 - Eour Priority Regional Groundwater Protection Planning Committees

IGPA-a Unified, Prevention-oriented Program that relies on State and Local Partnerships by Enhancing Cooperation

- Assigned responsibilities to the ICCG, GAC and Regional Priority Committees □
- Defined specific areas Interaction and cooperation between the ICCG and GAC with the DNR and IEPA

Interaction Between the GAC, the ICCG, IDNR and IEPA

- > LCCG Chair (IEPA)
 - Proposes a groundwater protection agenda considering relevant federal and State programs
 - Submits agenda to Committee and GAC for consideration
 - Designates an ICCG liaison person to facilitate communications with the ICCG
- CCG considers the findings and recommendations provided by the GAC □
 - Responds in writing

Interaction Between the GAC, the ICCG, IDNR and IEPA (cont.

- > DNR, with the advice if the ICCG and GAC, develops
 - A coordinated groundwater data collection and automation program
 - Automate the data to make it accessible and usable
- > DNR, in consultation with the IEPA, ICCG and GAC
 - Develops ongoing basic and applied research programs relating to groundwater
 - Makes information available to local governments seeking technical assistance from DNR

Interaction Between the GAC and the ICCG, IDNR and IEPA (cont.)

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Groundwater Advisory Council

- > GAC activities and results relate to
- \rightarrow Review, evaluation and recommendations regarding \Box
 - laws, regulations □
- > Procedures related to groundwater protection
- > State's efforts to implement the IGPA and generally protect the groundwater of the State □
- Groundwater data collection and analyses
- Recommendations relating to the State's needs for groundwater research

Composition of the Groundwater Advisory Council

- Members appointed by the Governor
 - Two Persons Environmental
 - Two Persons Industrial and Commercial
 - -One Person -Agricultural Interests
 - One Person –Local Governmental One Person –Regional Planning
 - -One Person -Public Water Supplies □
 - -One Person -Water Well Drilling Industry

GAC Activities (Routine)

- Cosponsor Regional Groundwater Protection Programs Policy Forums
- Meet with ICCG to coordinate review, evaluate and recommend State groundwater program initiatives and activities
- Review and evaluate IEPA policy and regulatory proposals related to groundwater and source water protection

GAC Activities (Routine) (Cont.)

- > Provide Open Meeting Act Liaison to Affected Stakeholders for Input □
 - NGO Environmental Groups
 - Illinois Farm Bureau
- > Business/Industrial Groups (e.g.)
 - Illinois Environmental Regulatory Group
 - Illinois Municipal League
 - Illinois Chamber of Commerce
 - Illinois Manufacturers Association 🗆
 - Chemical Industry Council of Illinois
- > ICCG, IEPA, IDNR Concerns

GAC Accomplishments

- > Pleasant Valley PWD Regulated Recharge Area (IL Pollution Control Board Rule) (First in State) 2001 □
- GAC recommended State-wide water quantity planning and management program accepted by the ICCG 2001 □
- GAC participation in
 - Implementing Executive Order No. 5 –ICCG to Establish a Water Quantity Planning Program 2002
 - Preparing the Integrated Water Planning and Management Plan Submitted to the Governor and General Assembly 2003

GAC Accomplishments (Cont.)

- GAC resolution for IEPA Methods of Notification under the Illinois Right to Know Act (415 ILCS 5/25d-3 Notices) 2006
- Oity of Marquette Heights CWS Maximum Setback Zone (IL Pollution Control Board Rule) (First in State) 2006
- GAC Outreach Session Section 654.505 Source Water Protection Plan, 2013
- GAC Regulatory Outreach Session for amendments to Part 841, Coal Combustion Waste Surface Impoundments at Power Generating Facilities, 2016
- GAC Regulatory Outreach Session on Part 620 Amendments,
 2017

Regional Planning Committee Composition

- > Members Appointed by the Director, IEPA
 - Supported by IEPA Staff
- > Representatives from
 - Counties and Municipalities
 - Owners, Operators of Public Water Supplies which use Groundwater
 - At Least Three members of the General Public

Central Region Committee Membership

- > Municipalities
 - City of Chillicothe □
 - City Of Pekin
 - City of Peoria Heights
- Counties
 - Mason □
 - Peoria
 - Tazewell
 - Woodford
 - Tri-County Regional Planning.

- > Public Water Supplies
 - City of East Peoria □
 - Groveland Twp. W. D.
 - Illinois American
 - Pleasant Valley P.W.D. □
- > Citizens
 - Agriculture
 Supply Business/Industry
 - Education/Teaching
 - Engineering Consultants
 - Farming
 - Earm Bureau
 - Local Planning 🗆
 - Well Drilling

Central Regional Committee Mission

Mission -Advocate groundwater protection practices and procedures to municipal, county, state and other local units of government throughout the Central Planning Region

Central Regional Committee Goals

- Promote and the use of groundwater protection "tools" that implement groundwater protection programs throughout the region
- Assist the state jurisdictions and act as a catalyst in accomplishing specific regional groundwater protection programs
- Provide a forum for the development of recognized regional protection needs □
- Provide education materials and programs regarding general groundwater protection

Central Regional Groundwater Protection Planning Committee

- Central Regional Groundwater Protection Planning
 Committee activities relate to
 - Identification of and advocacy for region specific groundwater protection matters
 - Eacilitating informational and educational activities relating to groundwater protection within the region
 - Recommendations to the IEPA for the establishment of regulated recharge areas and public outreach
 - Monitoring and reporting progress on in implementation of protection of groundwater

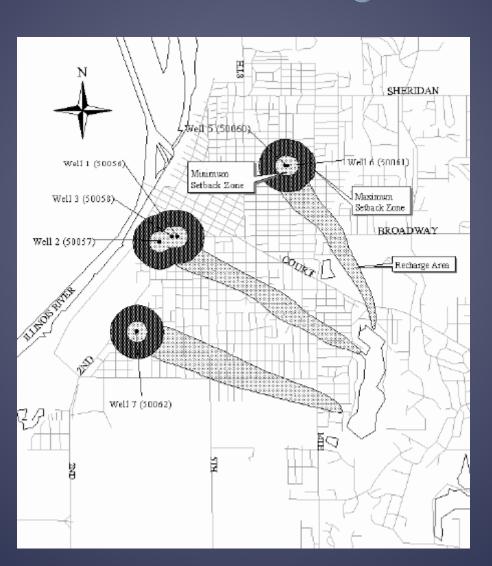
Groundwater Protection Program Videos and Teacher Curriculum

- Developed and produced four videos, which may be presented in their entirety or in segments, accommodating class time restraints
- A curriculum for teaching fourth- through eighthgrade students about the importance of groundwater as a natural resource was developed
- All four videos have been copied onto DVDs that are available from the Tazewell County Health Department
- Curriculum materials are provided on the DVD (i.e., PowerPoint presentation, text, and sample quiz.)

Central Regional Committee Accomplishments

- City of Pekin, IL comprehensive recharge area protection overlay zoning ordinance and a maximum setback zone ordinance
- ➤ Tazewell County, IL county-wide groundwater protection ordinance
- > Pleasant Valley PWD regulated recharge area IL Pollution Control Board Rule
- City of Marquette Heights CWS Maximum Setback Zone
- > East Central Illinois Regional Water Plan (Mahomet Aquifer)

Pekin Zoning



Pleasant Valley Regulated Recharge Area







WHOLLY CONTAINED			PARTIALLY CONTAINED	
102	111	115	106	118
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36-018	27-049	8-006	65-010	\$1-019
	26-037	5-005	66-009	52-016
103	28-038	9-004	€7-008	53-017
1-005	29-025	10 033	85-631	58-016
2-004	29-006	10:008	88-632	55-015
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106	30-054	12-029	129	57-016
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69-006	\$1.032	13 027	122-027	89-011
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71-004	33-044	14-024		66-004
72-003	34-029	1,022	111	66-463
73-002	34-027	8-022	153-021	64-012
74-001	35-005	C4021	152-022	
75-021	36-323	D-GAO	26-061	154
76-022	154-000	16-501		A-009
77-023	195-019	16-002	115	B-019
78 084	156-018	17-003	6-038	
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80-085	159-016	18-004	25-042	1-006
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Warquette Heights Maximum Serback Zone

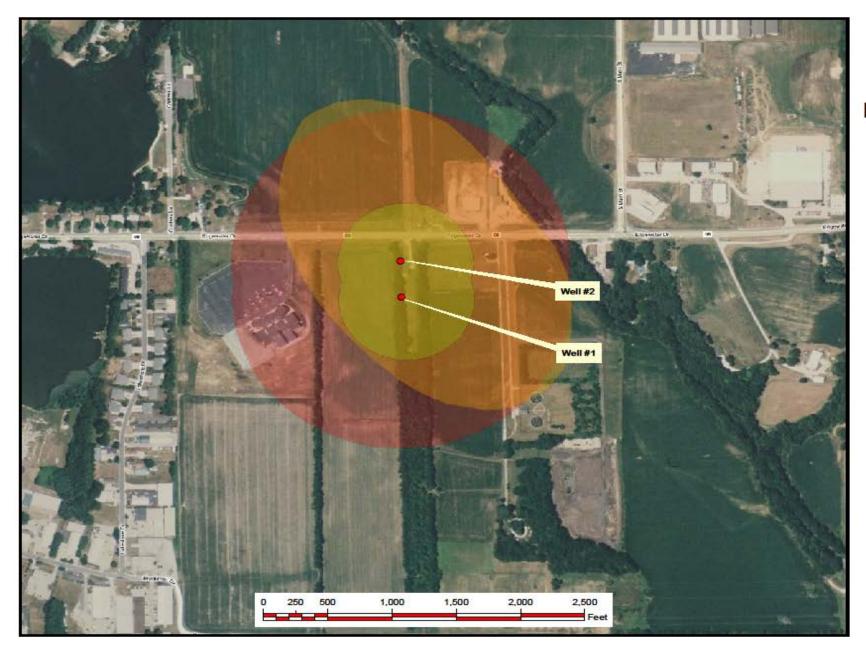
Pekin Township Plat Nap



ILLINOIS EPA

SOURCE AUFORNITION

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GROVELAND TOWNSHIP WATER DISTRICT WELL HEAD PROTECTION AREAS





April, 2010



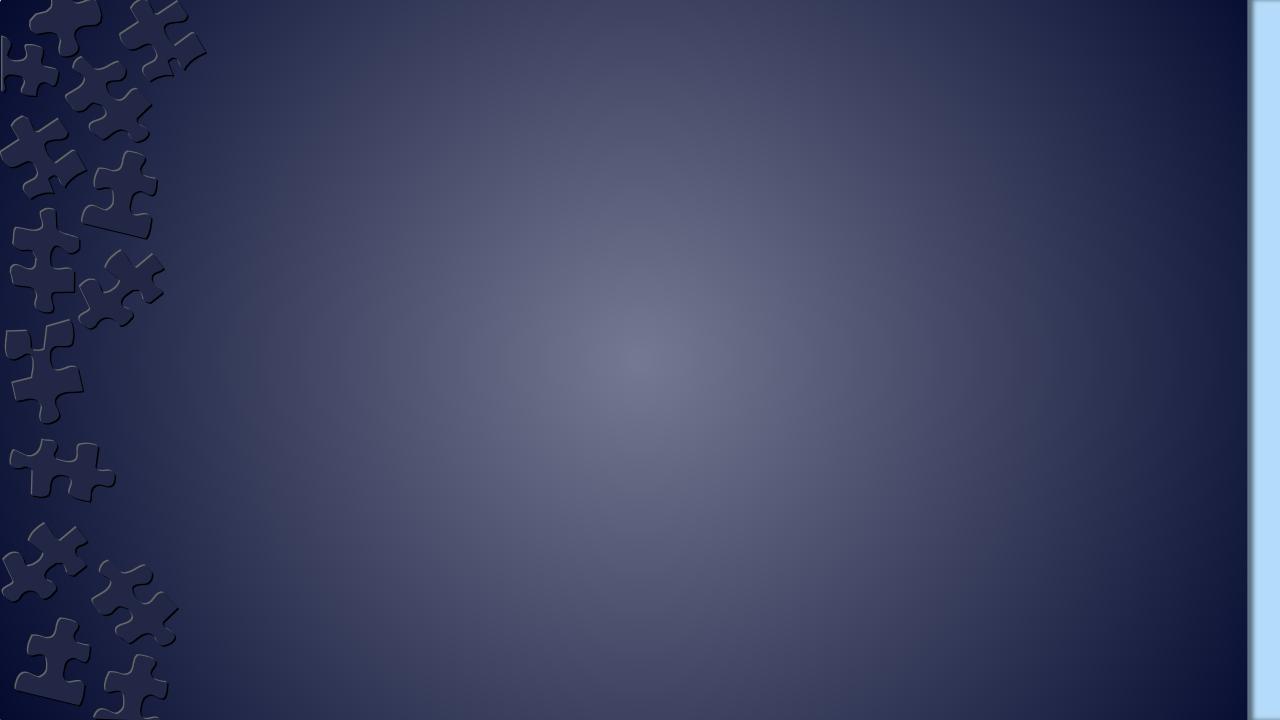
Legend

CWS Wells

Minimum Setback Zone

Phase I WHPA

Phase II WHPA



QUESTIONS