



MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

## Classification of Water Systems

Small Systems Training 2020



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### Types of Public Water Systems

Classification		Description	Examples	
Public Water System	<b>Type I Community</b>	Provides year-round service to $\geq 15$ living units OR to $\geq 25$ residents	Municipalities, subdivisions, apartments, condominiums, nursing homes, manufactured housing communities	
	<b>Type II * Noncommunity</b>	Nontransient	Serves $\geq 25$ of the SAME individuals on an average daily basis for $\geq 6$ months/yr (and is not a Type I)	Places of employment, schools, day care centers, bottled water sources
		Transient	Serves $\geq 25$ individuals or $\geq 15$ service connections on an average daily basis for $\geq 60$ days/yr (and is not a Type I)	Hotels, restaurants, campgrounds, churches, highway rest stops
	<b>Type III</b>	Public water system that is not a Type I or Type II	Subdivisions, apartments, condominiums, or duplexes with 2-14 living units, facilities serving $< 25$ individuals or open $< 60$ days per year	
<b>Private Water System</b>		Serves a single living unit	Single family home	

\* Type II public water systems are also classified according to their average water production during the month of maximum water use. A Type IIa system produces 20,000 or more gallons per day and a Type IIb system produces less than 20,000 gallons per day.



## EGLE Policy

- Facilities that are categorized based on the number of beds.
  - Shall be classified as Type I public water systems if their full capacity is 25 or more beds, regardless of the number of beds occupied on any given day.
    - nursing homes
    - homes for the aged or indigent
    - adult foster care homes
    - dormitories
    - penal institutions
    - psychiatric institutions

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## Rule 503 (Contiguous Property)

- Waterworks systems under same ownership or operation
  - Rule 503. (1) Two or more waterworks systems owned or operated by the same person at the same general location, not individually meeting the definition of a community supply or a noncommunity supply, but collectively meeting the definition of a community supply or a noncommunity supply, **shall** be considered by the department to be a single public water supply.

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## Rule 503 (Contiguous Property)

- Waterworks systems under same ownership or operation (Continued)
  - Rule 503 (2) A waterworks system meeting the definition of a community or noncommunity water supply and a waterworks system not meeting the definition of community or noncommunity water supply in the same general location collectively owned or operated by the same person **may** be considered by the department to be a single public water supply.

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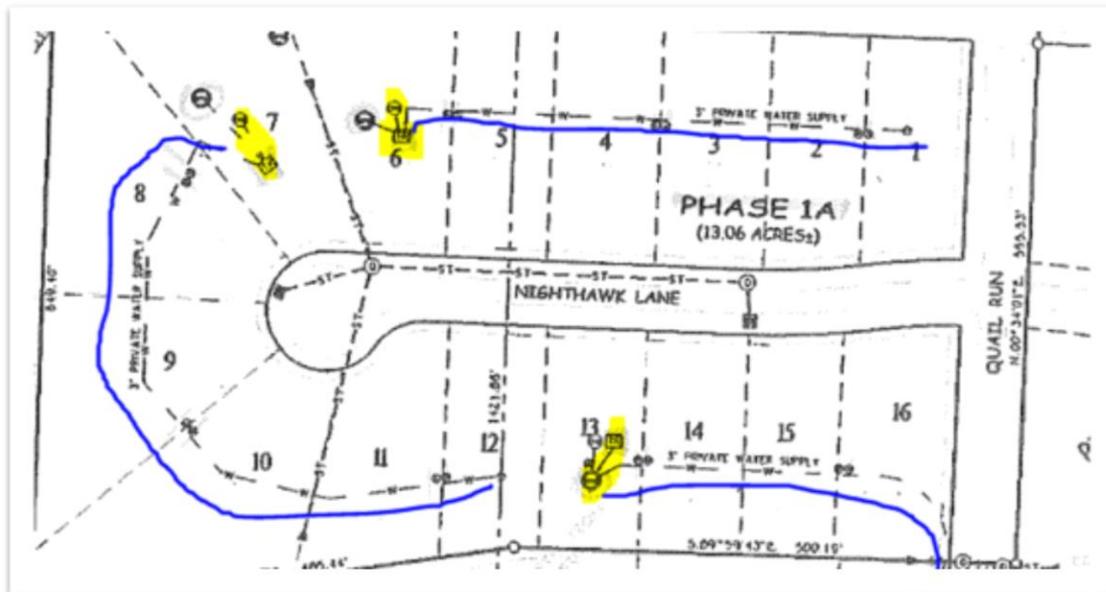
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## Case Studies and Examples

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- 20 duplexes (40 residences total)
- Four parcels owned and operated by same company
- 12 wells. No common distribution (each well served 1-2 buildings)
- Red lines show approximate property lines

8

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9

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Reclassifying  
a Type III to a  
Type I  
Community  
Water Supply

More robust sampling frequency and parameters

Pump tests and aquifer analysis

All isolation requirements are much greater

Firm Capacity-two separate wells with enough capacity each to meet requirements

Privately owned CWS needs an escrow and other legal documents

Certified Operator, Monthly Operation Reports, Annual Consumer Confidence Reporting, Tri-annual inspections



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Design For Full  
Plans

- Isolation
- Fixture Count
- Water Quality
- Document and Communicate

Change when population increases.



## What EGLE is Doing



Training and outreach on Classification of Water Supplies, both internal and external



Assessing EGLE materials for clarity



Revisiting policies and guidance that may be conflicting when applying the rules

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## Consult EGLE when Plans Include

- Multiple type 3 wells
- Multiple wells of various classification
- Ownership OR operation is under one entity, or closely related entity
- Phased development
  - what is the scope of the full build out
- Licensing from other agencies

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Why this is important

Compliance with the Safe Drinking Water Act  
State and Federal

Protection of Public Health

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## Helpful Links

- [Michigan.gov/DrinkingWater](https://www.Michigan.gov/DrinkingWater)
- [Michigan.gov/EGLEWaterWellConstruction](https://www.Michigan.gov/EGLEWaterWellConstruction)
- [Michigan.gov/EGLENoncommunityWaterSupply](https://www.Michigan.gov/EGLENoncommunityWaterSupply)
- [Michigan.gov/EGLEOnsiteWastewater](https://www.Michigan.gov/EGLEOnsiteWastewater)
- [Michigan.gov/EGLESeptage](https://www.Michigan.gov/EGLESeptage)
- [Michigan.gov/EGLECampgrounds](https://www.Michigan.gov/EGLECampgrounds)
- [Michigan.gov/EGLEPools](https://www.Michigan.gov/EGLEPools)
- [Michigan.gov/PFASResponse](https://www.Michigan.gov/PFASResponse)
- [Michigan.gov/EGLELab](https://www.Michigan.gov/EGLELab)

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