

ORDINANCE NO. 270

**AN ORDINANCE AMENDING TITLE II PUBLIC SERVICE AND PUBLIC HEALTH;
CHAPTER 6: PUBLIC WATER WELLS; ARTICLE 12 PROTECTION OF PUBLIC
WATER WELLS; SUBSECTION 12.02 SHALLOW WELL PROTECTION AND
SUBSECTION 12.03 DEEP WELL PROTECTION**

BE IT ENACTED BY THE CITY COUNCIL OF THE CITY OF GEORGE, IOWA

SECTION I. ENACTMENT. The City Code of the City of George, Title II Public Service and Public Health; Chapter 6: Public Water Wells; Article 12 Protection of Public Water Wells; Subsection 12.02 Shallow Well Protection and Subsection 12.03 Deep Well Protection is amended by repealing Subsection 12.02 Shallow Well Protection and Subsection 12.03 Deep Well Protection and replacing it with the following text as a new Subsection 12.02 and a new Subsection 12.03 as follows:

12.02 SHALLOW WELL PROTECTION. No structure or facility of the following enumerated and listed types shall be located within the distances hereinafter set forth after each structure or facility, from a shallow public well within the City of George, Iowa:

Point of Discharge to Ground Surface:

1. Well house floor drains - 5 feet
2. Water treatment plant wastes - 50 feet
3. Sanitary and industrial discharges - 400 feet

Sewers and Drains:

4. Floor drains from pump house to surface - none within 5 feet
 - a. 5 - 10 feet water main materials enclosed in concrete permitted;
 - b. 10 - 25 feet must be water main material;
 - c. 5 - 75 feet must be watertight sewer pipe
5. Floor drains to sewer, water plant wastes, storm or sanitary sewers or drains.
 - a. None permitted within 25 feet
 - b. If closer than 75 feet, must be water main material
 - c. If between 75 and 200 feet, must be watertight sewer pipe
6. Force mains
 - a. None permitted within 75 feet
 - b. If within 400 feet, must be water main materials
7. Land Disposal of Treated Waters:
 - a. Land application of solid waste - 2,000 feet
 - b. Irrigation of wastewater – 2,000 feet

Other:

8. Concrete vaults and septic tanks - 200 feet
9. Mechanical wastewater treatment plants - 400 feet

10. Cesspools and earth pit privies - 400 feet
11. Soil absorption fields - 400 feet
12. Lagoons - 1,000 feet

Chemicals:

13. Chemical application to ground surface - 200 feet
14. Above ground storage - 200 feet
15. On or Underground storage - 400 feet
16. Transmission Pipeline - 400 feet

Land application is the spraying, spreading, incorporation, or injection of sewage sludge into or onto the land to either condition the soil or fertilize crops or vegetation grown in the soil.

Animals:

17. Animal pasturage - 50 feet
18. Animal enclosure – 200 feet
19. Earthen silage storage trench or pit - 200 feet

20. Animal wastes:

- a. Land application of solids - 2,000 feet
- b. Land application of liquid or slurry - 2,000 feet
- c. Storage tank - 200 feet
- d. Solids stockpile - 400 feet
- e. Storage basin or lagoon - 1,000 feet

Miscellaneous:

21. Basements, pits, sumps - 10 feet
22. Flowing streams or other surface water bodies - 50 feet
23. Cisterns – 100 feet
24. Cemeteries - 200 feet
25. Private wells – 400 feet
26. Solid waste disposal sites – 1,000 feet

12.03 DEEP WELL PROTECTION. No structure or facility of the following enumerated and listed types shall be located within the distances hereinafter set forth, from a deep public well within the City of George, Iowa:

Point of Discharge to Ground Surface:

1. Well house floor drains - 5 feet
2. Water treatment plant wastes - 50 feet
3. Sanitary and industrial discharges - 400 feet

Sewers and Drains:

4. Floor drains from pump house to surface - none within 5 feet
 - a. 5 - 10 feet water main materials enclosed in concrete permitted;

- b. 10 - 25 feet must be water main material;
 - c. 25 - 75 feet must be watertight sewer pipe
5. Floor drains to sewer, water plant wastes, storm or sanitary sewers or drains.
 - a. None permitted within 25 feet
 - b. If closer than 75 feet, must be water main material
 - c. If between 75 and 200 feet, must be watertight sewer pipe
 6. Force mains
 - a. None permitted within 75 feet
 - b. If within 400 feet, must be water main materials
 7. Land Disposal of Treated Waters:
 - a. Land application of solid waste - 2,000 feet
 - b. Irrigation of wastewater – 2,000 feet

Other:

8. Concrete vaults and septic tanks - 100 feet
9. Mechanical wastewater treatment plants - 200 feet
10. Cesspools and earth pit privies - 200 feet
11. Soil absorption fields - 200 feet
12. Lagoons - 400 feet

Chemicals:

13. Chemical application to ground surface - 100 feet
14. Above ground storage - 100 feet
15. On or Underground storage - 200 feet
16. Transmission Pipeline - 200 feet

Land application is the spraying, spreading, incorporation, or injection of sewage sludge into or onto the land to either condition the soil or fertilize crops or vegetation grown in the soil.

Animals:

17. Animal pasturage - 50 feet
18. Animal enclosure - 100 feet
19. Earthen silage storage trench or pit - 100 feet
20. Animal wastes:
 - a. Land application of solids - 2,000 feet
 - b. Land application of liquid or slurry - 2,000 feet
 - c. Storage tank - 200 feet
 - d. Solids stockpile - 400 feet
 - e. Storage basin or lagoon - 1,000 feet

Miscellaneous:

21. Basements, pits, sumps - 10 feet
22. Flowing streams or other surface water bodies - 50 feet

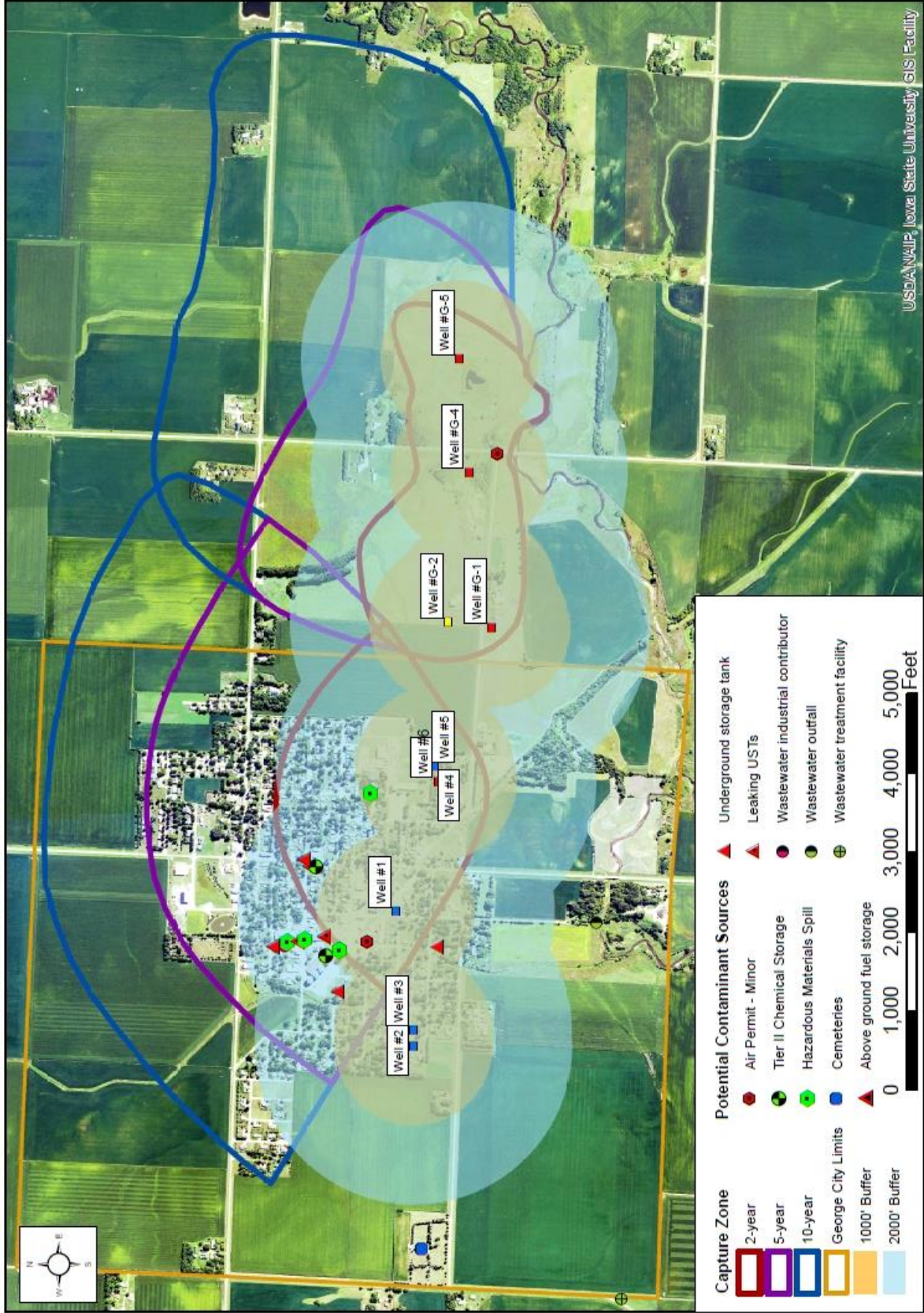
23. Cisterns - 50 feet
24. Cemeteries - 500 feet
25. Private wells - 200 feet
26. Solid waste disposal sites - 1,000 feet

SECTION III. SEVERABILITY CLAUSE. If any section, provisions or parts of this ordinance shall be adjudged invalid or unconstitutional, such adjudication shall not affect the validity of the ordinance as a whole or any action, provision, or part thereof not adjudged invalid or unconstitutional.

SECTION IV. WHEN EFFECTIVE. This ordinance shall be in effect after its final passage, approval and publication as provided by law.

PASSED AND APPROVED, by the council the 12th day of March, 2025.

George/Lyon & Sioux RW Source Water Protection Area



Capture Zone		Potential Contaminant Sources	
	2-year		Underground storage tank
	5-year		Leaking USTs
	10-year		Wastewater industrial contributor
	George City Limits		Wastewater outfall
	1000' Buffer		Wastewater treatment facility
	2000' Buffer		Cemeteries
			Above ground fuel storage
			0
			1,000
			2,000
			3,000
			4,000
			5,000
			Feet

AS 10/10/2024

Iowa Geodata Geospatial Library

USDA NRRI Iowa State University GIS Facility