

June 25, 2024

Inspection Summary Letter Reply  
Fish & Game Preservation Club of Coal City  
PWSID# IN2600818 / IN2110007  
10546 State Road 157  
Coal City, IN 47427, Owen County

Dear Karla and Joe:

Re: Mrs. Kelly L. Abel  
Fish & Game Preservation Club of Coal City  
4689 Indigo Blue Blvd.  
Whitestown, IN. 46075

On **Monday, June 10, 2024 and on Thursday, June 13, 2019** both of you from IDEM Office of Water Quality conducted inspections at Fish & Game Preservation Club of Coal City, IN., Owen County. Significant deficiencies were found during both inspections. Here is our reply:

First, let me please respond by apologizing for our Club not responding to the 2019 Inspection Summary. We take full responsibility and understand the significance of our failure to reply in a timely manner.

1. We are not a Water Treatment Facility Plant. Our Preservation Club is not open daily; therefore, we can not comply with 327 IAC 8-2-8.2(e)(6)(F) and 327 IAC 8-2-8.2(e)(6)(D) Daily tests results and compliance monitoring and Daily free and total chlorine residual measurements made at the plant and in the distribution system. We do check them on a monthly basis. Unfortunately, our previous water operators failed to log their findings. Completed June 2024. I have logs that will show all future recordings. Also, I am writing them on the lab sheet as well.

| Fish & Game Preservation Club of Coal City  |         |         |              |        |          |  |  |  |
|---|---------|---------|--------------|--------|----------|--|--|--|
| MONTHLY CHLORINE RESIDUAL LOG SHEET   |         |         |              |        |          |  |  |  |
| MONTH   | DATE    | TIME    | SAMPLE       | RESULT | INITIALS |  |  |  |
| JUNE  | 6/15/24 | 8:30 AM | Utility Room | 0/0.05 | KA       |  |  |  |
| JULY  |         |         | Site 1       |        |          |  |  |  |
| AUGUST  |         |         | Site 17      |        |          |  |  |  |
| SEPTEMBER   |         |         | Site 26      |        |          |  |  |  |
| OCTOBER   |         |         | Site 9       |        |          |  |  |  |
| Signature of Owner/Operator <i>Kelly Abel</i> Kelly Abel  |         |         |              |        |          |  |  |  |
| Date 6/25/24  |         |         |              |        |          |  |  |  |
| Signature above affirms that information contained in this report is accurate to the best of the signer's knowledge |         |         |              |        |          |  |  |  |

| Fish & Game Preservation Club of Coal City  |  |                                   |                                   |
|---|--|-----------------------------------|-----------------------------------|
| Yearly Distribution System Treatment Process  |  |                                   |                                   |
| Date  | Chlorine to well - 6.25 casing - 205 ft well | Chlorine to 90 gallon Volume tank | Chlorine to 33 gallon chlorinator |
| 3/23/2024   | 121 ounces                                   | 60.5 ounces                       | 121 ounces                        |
| 4/13/2024   |  |                                   | 121 ounces                        |
|   |  |                                   |                                   |
|   |  |                                   |                                   |
|   |  |                                   |                                   |
|   |  |                                   |                                   |
| Signature of Owner/Operator <i>Kelly Abel</i> KELLY ABEL  |  |                                   |                                   |
| Date 6/25/24  |  |                                   |                                   |
| Signature above affirms that information contained in this report is accurate to the best of the signer's knowledge |  |                                   |                                   |



## WATER TESTING RECORD CHART

| Parameters        | EPA Standards     | 2024   |      | TEST DATE 2024 |  |  |  | Notes              |
|-------------------|-------------------|--------|------|----------------|--|--|--|--------------------|
|                   |                   | 6/15   | 6/15 |                |  |  |  |                    |
| pH                | 6.5 - 8.5         | 9.0    | 6.5  |                |  |  |  | Free Chlorine 0.05 |
| TOTAL HARDNESS    | 10 - 100 mg/L     | 100    | 25   |                |  |  |  |                    |
| HYDROGEN SULFIDE  | 0 mg/L            | 0      | 0    |                |  |  |  |                    |
| TOTAL CHLORINE    | 4 mg/L*           | 0      | 0    |                |  |  |  |                    |
| SULFATE           | 250 mg/L          | 400    | 200  |                |  |  |  |                    |
| FLUORIDE          | 4 mg/L*           | 0      | 0    |                |  |  |  |                    |
| SODIUM CHLORIDE   | 250 mg/L          | 0      | 0    |                |  |  |  |                    |
| TOTAL ALKALINITY  | 75 - 150 mg/L     | 180    | 80   |                |  |  |  |                    |
| IRON              | 0.3 mg/L          | 0      | 0    |                |  |  |  |                    |
| COPPER            | 1.3 mg/L*         | 0      | 0    |                |  |  |  |                    |
| LEAD              | 0.015 mg/L*       | 5      | 0    |                |  |  |  |                    |
| MANGANESE         | 0.05 mg/L         | 0.05   | 0    |                |  |  |  |                    |
| ALUMINUM          | 0.05-0.2mg/L      | 0      | 0    |                |  |  |  |                    |
| MERCURY           | 0.002 mg/L*       | 0      | 0    |                |  |  |  |                    |
| ZINC              | 5 mg/L            | 0      | 0    |                |  |  |  |                    |
| NITRATE           | 10 mg/L*          | Retest |      |                |  |  |  |                    |
| NITRITE           | 1 mg/L*           | Retest |      |                |  |  |  |                    |
| COLIFORM BACTERIA | Positive/Negative | NEG    |      |                |  |  |  |                    |

Note: EPA Standards Value marked with \* means it is required by EPA Primary Standard. It will do harm to human health if there is any excess.

- Our Minor deficiency 327 IAC 8-10 installation of hose bib vacuum breakers - completed in June 2019 and updated June 2024.





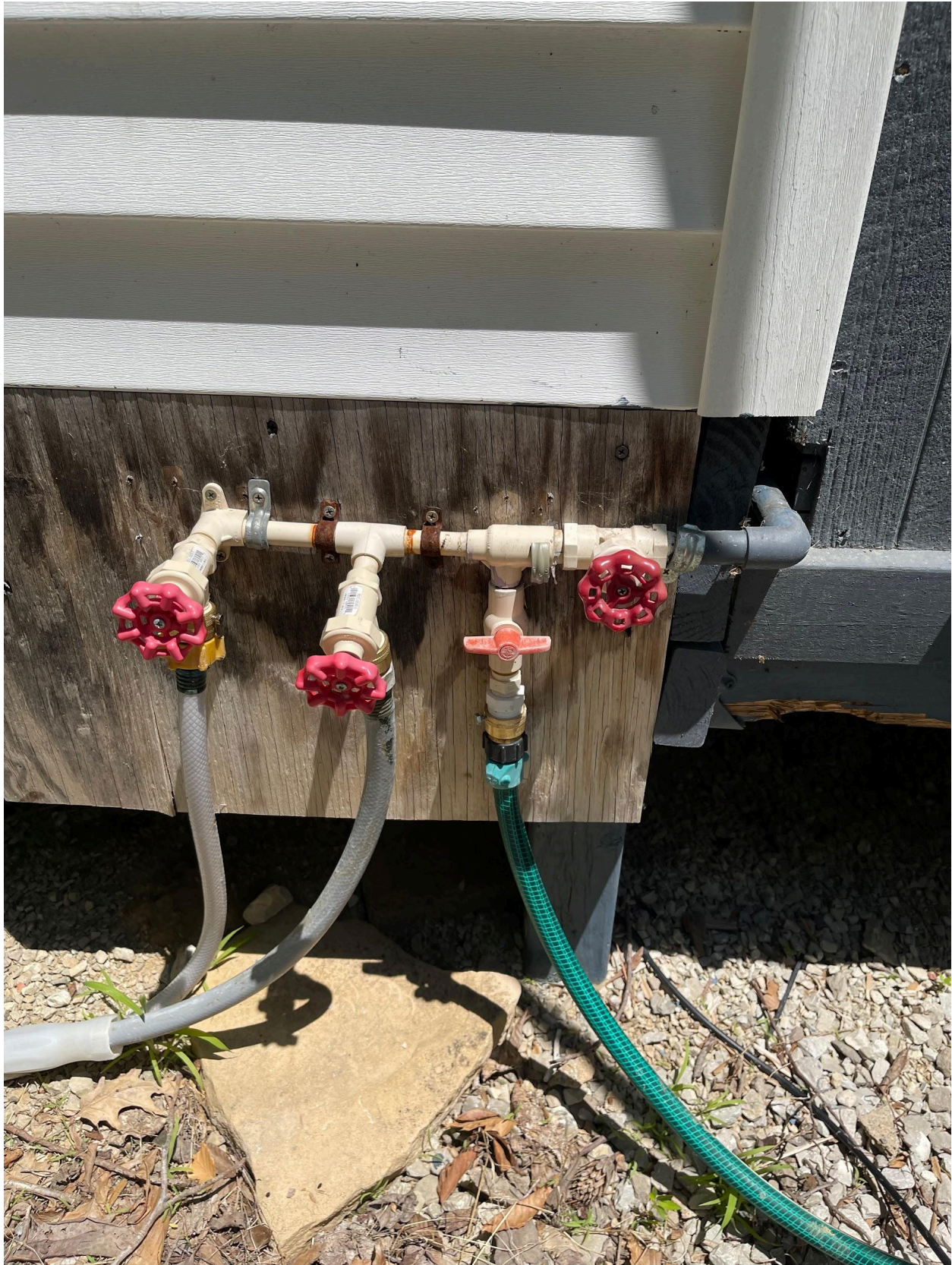






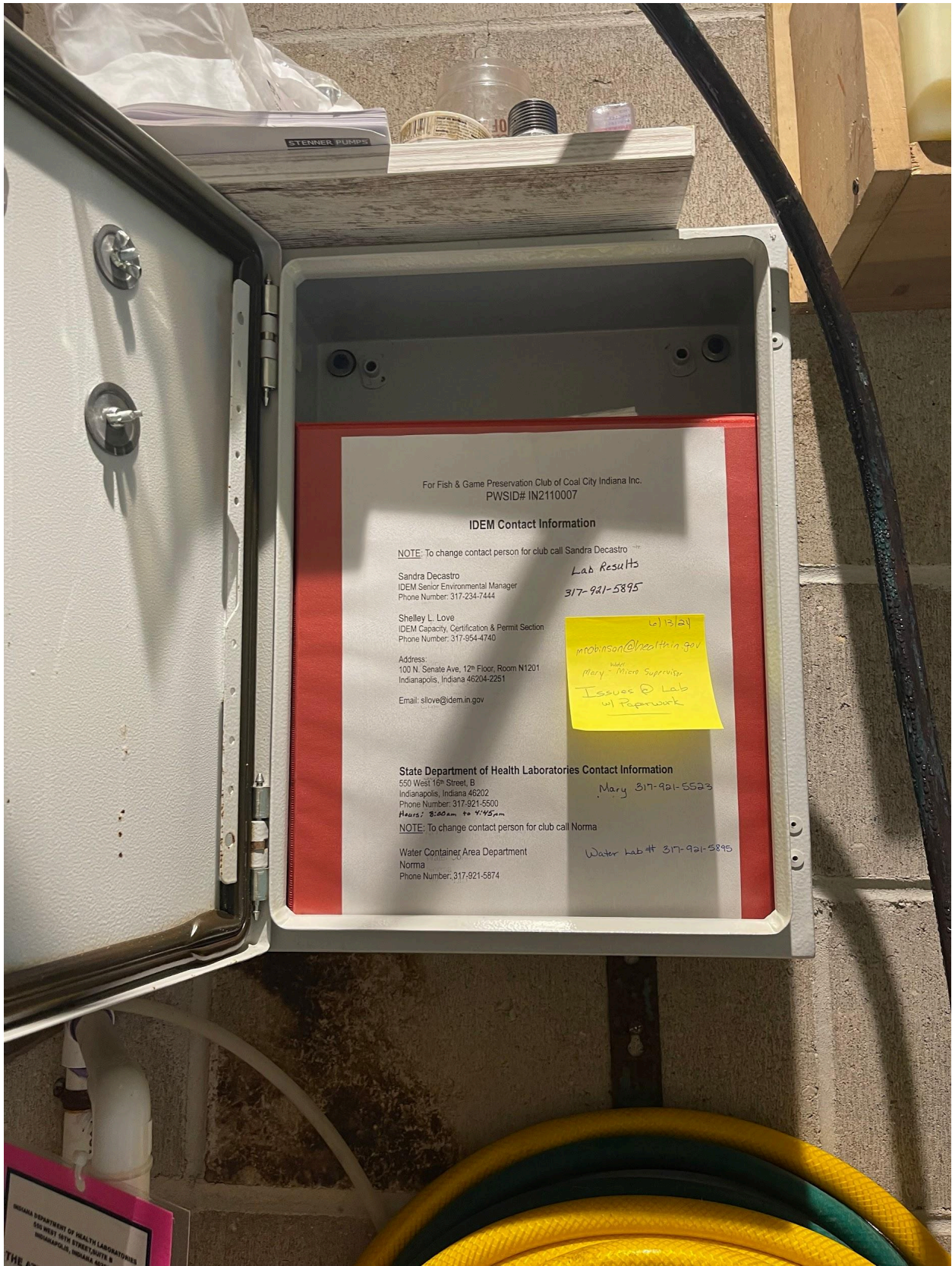






3. Our Minor deficiency 327 IAC 8-2-8.2(e)(7)(E)(i) Sufficient operation and maintenance records readily available - completed June 2024 by keeping on site.





For Fish & Game Preservation Club of Coal City Indiana Inc.  
PWSID# IN2110007

**IDEM Contact Information**

NOTE: To change contact person for club call Sandra Decastro

Sandra Decastro  
IDEM Senior Environmental Manager  
Phone Number: 317-234-7444

*Lab Results  
317-921-5895*

Shelley L. Love  
IDEM Capacity, Certification & Permit Section  
Phone Number: 317-954-4740

Address:  
100 N. Senate Ave. 12<sup>th</sup> Floor, Room N1201  
Indianapolis, Indiana 46204-2251

Email: [slove@idem.in.gov](mailto:slove@idem.in.gov)

*6/13/24  
mrobinson@health.in.gov  
Mary - Micro Supervisor  
Issues @ Lab  
w/ paperwork*

**State Department of Health Laboratories Contact Information**

550 West 16<sup>th</sup> Street, B  
Indianapolis, Indiana 46202  
Phone Number: 317-921-5500  
Hours: 8:00 am to 4:45 pm

NOTE: To change contact person for club call Norma

Water Containment Area Department  
Norma  
Phone Number: 317-921-5874

*Mary 317-921-5523*

*Water Lab # 317-921-5895*

INDIANA DEPARTMENT OF HEALTH LABORATORIES  
550 WEST 16TH STREET SUITE B  
INDIANAPOLIS, INDIANA 46202



2024  
Holiday  
Closure  
Calendar

SAMPLE LABELS

PART UP

2020

MISC...

TE MAP

SAMPLE PLAN

YEAR 2021

YEAR 2021

4. Our Minor deficiency 327 IAC 8-1-2(b) NSF or ANSI approved chlorine - completed June 2019 and



June 2024.



## How do I disinfect my water supply well?

Follow these steps:

- 1 Turn off all electricity and clear debris from around the top of the well;
- 2 Repair the electrical system and pump if needed. Contact a qualified electrician, well contractor, or pump contractor if you are not experienced with this type of work;

- 9 Open all faucets and run the water until all of chlorine (bleach) at all faucets and allow the solution in the well and plumbing for a minimum of 12 hours;
- 10 After at least 12 hours, attach a hose to an outside faucet and plumbing for a minimum of 12 hours;

| Depth of Water | Diameter of Well Casing |          |          |           | 24 inches | 36 inches |
|----------------|-------------------------|----------|----------|-----------|-----------|-----------|
|                | 4 inches                | 6 inches | 8 inches | 10 inches | 14 cups   | 2 gal     |
| 20 feet        | 6 ½ tbsp                | 1 cup    | 1 ½ cups | 2 ½ cups  | 1 ¼ gal   | 3 gal     |
| 30 feet        | 9 ¾ tbsp                | 1 ½ cups | 2 ¼ cups | 3 ¾ cups  | 1 ¾ gal   | 4 gal     |
| 40 feet        | 13 tbsp                 | 2 cups   | 3 cups   | 5 cups    | 2 ¼ gal   | 5 gal     |
| 50 feet        | 1 cup                   | 2 ½ cups | 3 ¾ cups | 6 ¼ cups  | 2 ¾ gal   | 10 gal    |
| 100 feet       | 2 cups                  | 5 cups   | 7 ½ cups | 12 ½ cups | 4 ½ gal   | 10 gal    |

Table 3 Approximate Amount of Bleach for Disinfection of a Drilled or Driven Well

### Notes:

- Use only unscented household liquid chlorine bleach.
- Bleach concentrations can vary between 5% and 6%.
- Quantities given in this table are approximate and are rounded to the nearest practical measurement. Amounts given are calculated in accordance with reaching a chlorine concentration of 100 mg/L

### Key:

- tbsp: tablespoon
- gal: gallon
- 1 cup = 8 fluid ounces = 16 tablespoons
- 1 gallon = 16 cups

- 3 Start the pump and run water until it is clear. Use the outside faucet nearest to the well to drain the potentially contaminated water from the well and keep the unsaturated water out of the interior plumbing. If the well is connected to interior plumbing, close valves to any water softener units;
- 4 Use Table 3 to determine the amount of liquid household bleach (5%-6%) needed to disinfect the well. Use only unscented bleach;

water onto a non-vegetated area such as a driveway. Continue draining until the chlorine odor disappears. Avoid draining into open sources of water (streams, ponds, etc.);

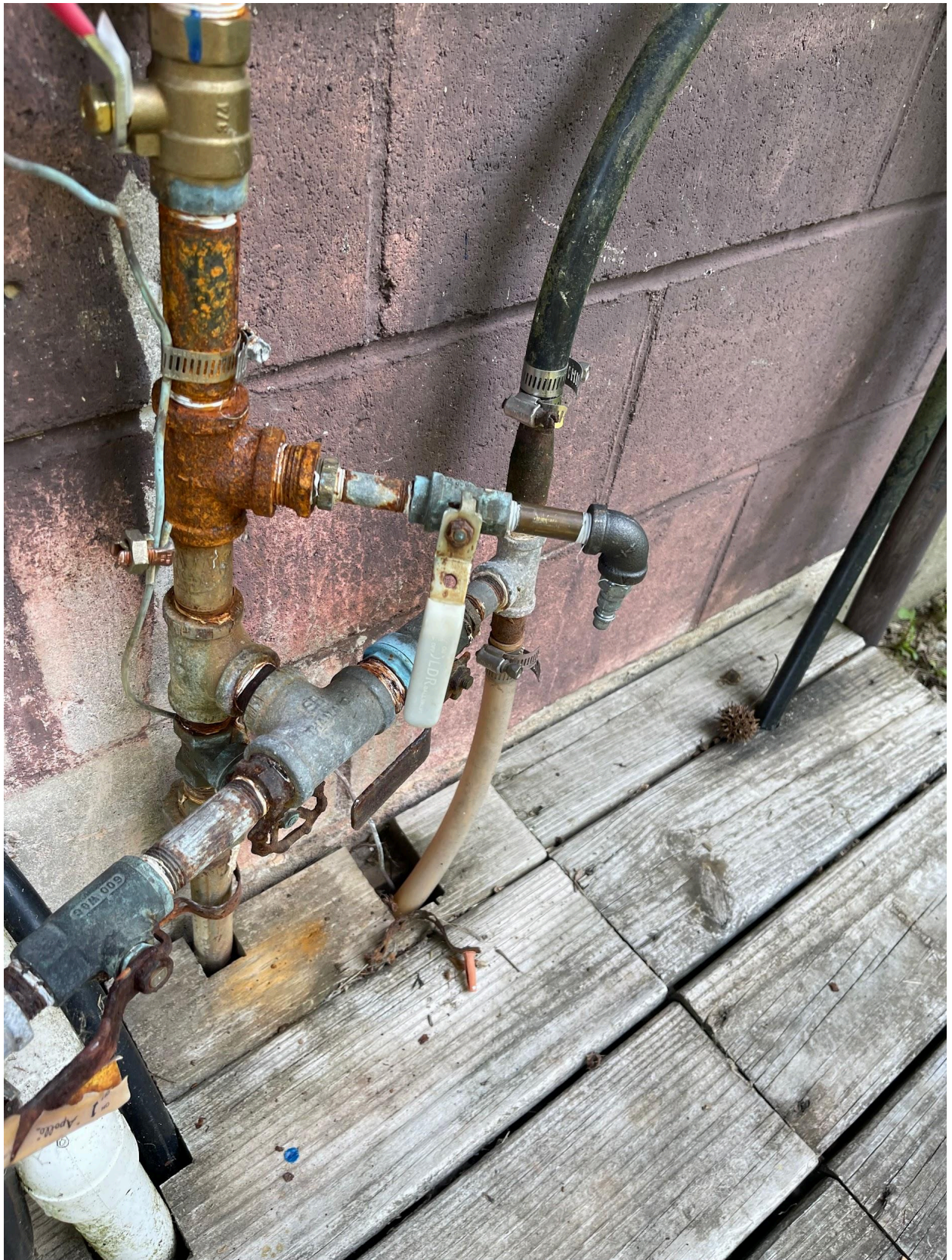
- 11 Turn on all indoor faucets and run water until the chlorine odor disappears; and
- 12 Until well water has been tested, boil it (rolling boil for 1 minute) before use or utilize an alternative water source.

5. Our Minor deficiency 327 IAC 8-2-3-2{b}{6) was not a deficiency due to the fact that this was not a tap. This was an adapter to allow us to blow out our lines when shutting down the water for winter. We did however add an elbow and new adapter.











6. Our Other Minor deficiency (without a code) EPA approved colorimeter to measure chlorine levels. Completed June 2019 and updated June 2024.



7. Karla had asked about our well and here is the information and is located in our service/maintenance folder that is kept onsite.



## Borehole Drilled to Bedrock

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Well Log ID: 222113

[Click for Detailed Report](#)

Location Type: Field Located

Owner: CLAY CITY FISH & GAME CLUB

Owner Address: R.R. #2 COAL CITY

Depth to Bedrock: 19.00

Bedrock Elevation: 594.00

Total Well Depth: 205.00

Bailing Rate: 0.00

Pump Rate: 3.00

Screen Length: 0.00

Static Water Level: 45.00

Casing Length: 27.50

UTM Easting (NAD83): 494749

UTM Northing (NAD83): 4342313

13 Layers:

From 0 to 15 Feet YEL CLAY

==>Thickness: 15 feet

From 15 to 19 Feet RED CLAY

==>Thickness: 4 feet

From 19 to 20 Feet BLUE SHALE EXTRA SOFT

==>Thickness: 1 feet

From 20 to 22 Feet YEL SHALE EXTRA SOFT

==>Thickness: 2 feet

From 22 to 24 Feet STONE YEL SS HARD

==>Thickness: 2 feet

From 24 to 31 Feet STONE BR SS HARD

==>Thickness: 7 feet

From 31 to 97 Feet STONE BLUE SHALE SOLID

==>Thickness: 66 feet

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Reference Number  
222113

**Driving directions to well**  
1 MI. .W. OF COAL CITY ON 157

Date completed  
Oct 07, 1978

|                         |                            |                                     |   |
|-------------------------|----------------------------|-------------------------------------|---|
| <b>Owner-Contractor</b> | <b>Name</b>                | <b>Address</b>                      | <b>Telephone</b>                              |
| Owner                   | CLAY CITY FISH & GAME CLUB | R.R. #2 COAL CITY                   |   |
| Driller                 | FRED SCOTTS WELL DRILLING  | 6236 W. COWDEN RD. ELLETTSVILLE,IN. | <a href="tel:(000)876-1055">(000)876-1055</a> |

**Construction Details**

|        |                    |                        |                      |
|--------|--------------------|------------------------|----------------------|
| Well   | Use: Public Supply | Drilling method: Other | Pump type:           |
|        | Depth: 205.0       | Pump setting depth:    | Water quality:       |
| Casing | Length: 27.5       | Material:              | Diameter: 6.25       |
| Screen | Length:            | Material:              | Diameter: Slot size: |

|                           |                     |                                 |                             |
|---------------------------|---------------------|---------------------------------|-----------------------------|
| <b>Well Capacity Test</b> | Type of test: Air   | Test rate: 3.0 gpm for 1.0 hrs. | BailTest rate: gpm for hrs. |
|                           | Drawdown: 205.0 ft. | Static water level: 45.0 ft.    | Bailer Drawdown ft.         |

|                             |                      |                      |
|-----------------------------|----------------------|----------------------|
| <b>Grouting Information</b> | Material:            | Depth: from to       |
|                             | Installation Method: | Number of bags used: |

|                         |                      |                      |
|-------------------------|----------------------|----------------------|
| <b>Well Abandonment</b> | Sealing material:    | Depth: from to       |
|                         | Installation Method: | Number of bags used: |

|                       |  |                               |                                 |
|-----------------------|--|-------------------------------|---------------------------------|
| <b>Administrative</b> | <b>County:</b> CLAY                                  | <b>Township:</b> 9N Range: 6W | <b>Topo map:</b> COAL CITY      |
|                       | <b>Section:</b> NE of the SW of the SE of Section 10 |                               |                                 |
|                       | <b>Grant Number:</b>                                 |                               |                                 |
|                       | <b>Field located by:</b> BR                          | <b>on:</b> Jun 29, 1988       |                                 |
|                       | <b>Courthouse location by:</b>                       | <b>on:</b>                    |                                 |
|                       | <b>Location accepted w/o verification by:</b>        | <b>on:</b>                    |                                 |
|                       | <b>Subdivision name:</b>                             | <b>Lot number:</b>            |                                 |
|                       | <b>Ft W of EL:</b>                                   | <b>Ft N of SL:</b> 1200.0     | <b>Ft E of WL:</b> 1800.0       |
|                       | <b>Ground elevation:</b> 613.0                       | <b>Depth to bedrock:</b> 19.0 | <b>Bedrock elevation:</b> 594.0 |
|                       | <b>UTM Easting:</b> 494750.0                         |                               | <b>Aquifer elevation:</b>       |
|                       |  |                               | <b>UTM Northing:</b> 4342100.0  |

| Well Log | Top   | Bottom | Formation                 |
|----------|-------|--------|---------------------------|
|          | 0.0   | 15.0   | YEL CLAY                  |
|          | 15.0  | 19.0   | RED CLAY                  |
|          | 19.0  | 20.0   | BLUE SHALE EXTRA SOFT     |
|          | 20.0  | 22.0   | YEL SHALE EXTRA SOFT      |
|          | 22.0  | 24.0   | STONE YEL SS HARD         |
|          | 24.0  | 31.0   | STONE BR SS HARD          |
|          | 31.0  | 97.0   | STONE BLUE SHALE SOLID    |
|          | 97.0  | 112.0  | STONE GRAY SS HARD        |
|          | 112.0 | 175.0  | STONE BLUE SOAPSTONE HARD |
|          | 175.0 | 179.0  | STONE GRAY SS HARD        |
|          | 179.0 | 192.0  | STONE BLUE SOAPSTONE HARD |
|          | 192.0 | 194.0  | STONE GRAY SS HARD        |
|          | 194.0 | 205.0  | STONE BLUE SOAPSTONE HARD |

**Comments** MC 594 ; SEE MAP ; VERIFIED BY NEIGHBOR / SIGN ;