

Our ref: 11228036-LTR-13

October 11, 2023 (revised August 16, 2024)

Peter Ramanauskas
United States Environmental Protection Agency – Region V
General Motors, LLC
77 West Jackson Blvd
Chicago, Illinois 60604

Residential Well Survey

Dear Mr. Ramanauskas:

This 2022 Residential Well Survey (2022 RWS) has been prepared by GHD on behalf of General Motors LLC (GM) for the GM Bedford Casting Operations Facility (Facility) in Lawrence County, Bedford, Indiana. This RWS was requested by the United States Environmental Protection Agency (USEPA) for the purpose of identifying current potential groundwater receptors as part of the evaluation for proposed corrective measures.

A pre-RCRA Corrective Action residential well survey using a door-to-door confirmation step for properties within a one-half mile radius of the Facility was initiated in June 2001. The survey identified 392 properties within that radius and 372 residences were visited for existing and abandoned water wells. In addition, other residents outside of the one-half mile contacted GM to identify a water supply well or cistern on their property. At the time of the 2001 Residential Well Survey, a total of 37 wells and cisterns were identified, all within one mile of the Facility. Of these 37 wells and cisterns, 24 were located within a one-half mile radius of the Facility. Furthermore, of these 37 wells and cisterns, only one well was used to water the lawn and garden and another well (located outside of the one-half mile radius) was being used for drinking water. Details of the residential well survey program are included in the Technical Memorandum: Off-Site Facility Residential Well Survey and Sampling (Conestoga-Rovers & Associates, 9 December 2002).

GHD has performed a number of desktop searches to assist in updating the 2001 Residential Well Survey (2001 RWS). Steps completed during this process include:

1. Online search of the Indiana Department of Natural Resources (IDNR) water well database;
2. Cross-reference of known wells from the 2001 RWS with the current IDNR database;
3. Review of local requirements for water well installations from the City of Bedford and Lawrence County;
4. Request for water well permits from the City of Bedford and Lawrence County;
5. Request for water consumption data from the City of Bedford and the North Lawrence Water Authority;
6. Request for surface water or wellhead protection areas from the City of Bedford and Lawrence County; and,
7. Online search of the Indiana Department of Environmental Management (IDEM) Source Water Proximity Determination Tool for potential surface water or wellhead protection areas.

IDNR Water Well Database

GHD performed a search of the IDNR water well database. The search did not yield results for previously surveyed wells or new wells located within one-half mile of the Facility. In order to refine the search, GHD submitted addresses for the water wells to IDNR to perform a manual search of IDNR paper files. The IDNR paper search only yielded one water well located within the one-half mile search zone. The lack of data from the IDNR search is likely due to the age of the wells as wells may have been installed prior to IDNR's adaptation of reporting requirements (312 IAC 13-2-6). GHD performed a search of internal records to identify any well construction details. Results of GHD's internal records search did not provide any additional details. Water well records are included as Appendix A.

Details of the 37 wells and cisterns identified in 2001 are included in Table 1. The table includes the previous well and cistern identification, current address for the wells and cisterns as well as known construction details and status of well based on local information request.

Local Water Well and Supplied Water Usage

GHD contacted the City of Bedford and Lawrence County to request well permit applications from 2001 to 2022. Lawrence County indicated that it does not accept or approve well permit applications and that all well information is permitted and approved through the IDNR. According to local ordinances from City of Bedford (City), prior to digging or driving a well within City limits, an application must be filed with the City sewer department and signed by both the well installer and the owner.

GHD also contacted the City and the North Lawrence Water Authority (NLWA) to request supplied water usage information for the 37 residences located within a one-mile radius of the Facility. Details of usage data are included in Table 1 and usage data provided by the City and the NLWA are included in Appendix B. Based on the supplied usage data, GHD was able to infer whether the well or cistern was active or not, but not whether it had been abandoned. GHD inferred a well or cistern was not active if, based on current records provided by the City or NLWA, the residence had an active billing for a supplied water hookup. A summary of the status of the 24 wells and cisterns within a one-half mile radius of the Facility are summarized below and detailed in Table 1¹:

- 11 of the wells identified during the 2001 Residential Well Survey have been abandoned;
- 8 of the wells remain (4 of the wells appear to be inactive and 4 have an unknown status); and,
- 5 of the cisterns remain (3 of the cisterns appear to be inactive and 2 have an unknown status).

Thus, there were 13 properties within a one-half mile radius of the Facility where the status of the well or cistern could not be confirmed.

Residential Site Visit

On September 15, 2023, GHD visited Bedford to perform residential site visits at the fifteen properties where City and NLWA records indicate a well or cistern is located, the property is within the one-half mile radius of the Facility, and there was no basis to conclude that the well or cistern was abandoned. Post cards had previously been sent to the fifteen properties requesting an in-home visit to better understand the status of the well or cistern. While most residents did not respond, a site visit was arranged after that outreach, a site visit to all residences was conducted. During the site visit, three homeowners were able to be contacted and spoke with GHD, four other residences were visually confirmed to be either razed or vacant and eight residences did not answer their door during the visit. A summary of results from each residence is listed below and details are included on Table 1.

- The following residences were contacted by GHD:

¹ The October 11, 2023 version of this Residential Well Survey letter included an error in the number of wells abandoned and remaining in this section of the report. This letter corrects the error in this section of the report. The conclusions of the report and Table 1 remain unchanged.

- 314 April Lane – Water well is still present at the residence. The homeowner indicated that the well is not usable as it is filled in and the residence uses publicly supplied water.
 - 1215 Redbud Lane – Homeowner indicated that the well is abandoned, and that the residence uses publicly supplied water.
 - 411 L Street – Homeowner indicated that they are not aware of a cistern but indicated an area along L Street floods and “bubbles” during heavy rain. The homeowner also indicated that the residence uses publicly supplied water.
- The following residences were visually confirmed to be razed or vacant:
 - Parcel 5 E. Well (Bailey Scales Road)
 - 403 N. Jackson Street
 - 406 J Street
 - 229 Madison Street
 - The following residences did not answer when contacted by GHD:
 - 115 Bailey Scales Road
 - 206 Bailey Scales Road
 - 216 Bailey Scales Road
 - 445 N. Jackson Street
 - 403 N. Jackson Street
 - 202 N Street
 - 1326 3rd Street
 - 1537 Breckenridge Road

Deed Restrictions

Currently there are three types of restrictions applied to multiple parcels. The restrictions are defined below. The restrictions for each parcel are included in Table 1.

- **Deed Type A:** Owner shall not use, nor permit anyone else to use, the groundwater, seeps or springs at, in or under the Real Estate for any purpose, including potable and non-potable uses, nor shall Owner drill, bore or otherwise construct, or use, a well at, in or under the Real Estate for the purpose of extracting water for any use, except for environmental site investigation or remediation purposes, including in connection with the Ongoing Remediation.
- **Deed Type B:** This transfer is made subject to the following: the Grantee, his heirs and assigns, and all subsequent owners and/or users of the land shall not use the groundwater for any purpose, including potable and non-potable uses, and shall not permit such use of groundwater by anyone. This restriction shall run with the land and be binding and enforceable against Grantee, his heirs and assigns, and all subsequent owners and/or users of the land.
- **Deed Type C:** This transfer is made subject to the following: the Grantee, his heirs and assigns, and all subsequent owners and/or users of the land shall not use the groundwater for any purpose, including potable and non-potable uses, and shall not permit such use of groundwater by anyone. This restriction shall run with the land and be binding and enforceable against Grantee, his heirs and assigns, and all subsequent owners and/or users of the land.

Figure 1 identifies well and cistern locations in proximity to the Facility.

Surface Water and Wellhead Protection Area

GHD requested surface water protection area (SWPA) and wellhead protection area (WHPA) information from the City and the NLWA. Neither entity could provide surface water or wellhead protection area information,

however; they were able to provide information to identify water intake locations. The NLWA informed GHD that water intake for NLWA occurs through wells located approximately 8 miles southwest of the Facility, along the East Fork White River basin. The location of the NLWA water wells is provided on Figure 2.

The City indicated that they could not provide details of their surface water intake location, however; the City indicated that details of the surface water intake location could be obtained from IDEM or the IDNR. GHD then performed a search of IDNR's significant withdrawal facilities web viewer and identified the surface water intake location. The surface water intake is located approximately 3.5 miles southwest of the Facility. The location of the City's surface water intake is provided on Figure 3. Details of the surface water intake were unavailable.

A search of IDEM's Wellhead Protection Proximity Tool² indicated that the Facility was located within a WHPA and a SWPA. Due to this, GHD requested further information from IDEM. IDEM's search of wellhead protection areas and source water assessment areas indicated that the Facility does not fall within a Wellhead Protection Area; however, the Facility is located within a Source Water Assessment Area for a public water supply system (PWSS). The Source Water Assessment Area relates to the surface water drainage area for the City of Bedford Utilities surface water intake location.

Local Water Well Standards

GHD contacted the City and Lawrence County to request local standards for water well installations. The City indicated that wells were approved through the IDNR, not through the City or Lawrence County. IDNR water well regulations are outlined in 312-IAC-13³ and included as Appendix C.

A search of the City's local ordinances⁴ (Title V Chapter 51 Section 110, V.51.111 and V.51.112) indicate the following:

V.51.110

Every owner or occupant of real estate within the corporate limits of the city, or real estate from which there is a lateral sewer into the sewerage system, shall, on a form provided by the Board of Public Works and Safety, report the existence of the well to the Clerk- Treasurer. The information furnished on the forms by the owner or occupant shall include, among other items, the name of the owner and occupant of the real estate, the location on the real estate of the well, the size of the well pipe, the size (voltage, amperage, and horsepower where ascertainable) of the well pump motor, and the purpose for which the well water is used by the owner, occupant, or others.

V.51.111

The Board of Public Works and Safety may direct the Sewer Superintendent, the Inspector authorized by the Board of Public Works and Safety or the Sewer Superintendent, or any other employee to enter upon private property for the purpose of inspecting to determine the existence of private wells, to oversee or to direct the installation of metering or timing devices, and to read the meters and devices.

V.51.112

A person shall not hereafter dig or drive a well within the city limits without first making application therefor to the Sewer Department, which application shall be on a form approved by the Board of Public Works and Safety and shall show all pertinent data regarding size and flow. The application shall be signed by both the installer of the well (the contractor or other person doing the work) and the owner or his agent (other than the installer). The failure to file such an application shall be a violation of this chapter.

² Wellhead Protection Proximity 2.0 (in.gov)

³ <https://www.in.gov/dnr/water/water-availability-use-rights/water-availability-userights-frequently-asked-questions/#Anchor-Wha-43113>

⁴ https://codelibrary.amlegal.com/codes/bedfordin/latest/bedford_in/0-0-0-18658

Lawrence County does not regulate or require a well permit, however, Lawrence County does require:

1. Any residence or business building that will be served by an onsite sewage disposal system and that has public water lines located within 500 feet of its property line are required to connect to the public water utility (in the project area, this is North Lawrence Water Authority).
2. If the above requirements are not met, a resident may have a drinking water well installed in accordance with State of Indiana Administrative Code. The code requires the well must be located as far as practicable from any known contamination source but does not specify a separation distance.
3. Water wells for livestock are managed through the Lawrence County Soil and Water Conservation district.

Conclusions

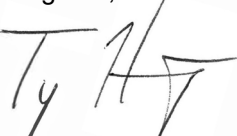
A review of the residential water well status surrounding the Facility has concluded that previously identified residential water wells outside the one-half mile radius currently use publicly supplied water. Residential water wells within a one-half mile radius are either, inactive, abandoned, or unknown. A summary of the status of the wells and cisterns within a one-half mile radius, based on the 2001 Residential Well Survey and the Residential Site Visit, are summarized below, and detailed in Table 1:

- 11 of the wells identified during the 2001 Residential Well Survey have been abandoned;
- 8 of the wells remain (4 of the wells appear to be inactive and 4 have an unknown status); and,
- 5 of the cisterns remain (3 of the cisterns appear to be inactive and 2 have an unknown status).

Limited construction details for the residential wells located inside and outside the one-half mile radius are known, likely due to the age of the wells as wells may have been installed prior to IDNR's adaptation of reporting requirements (312 IAC 13-2-6).

The Facility is located within a surface water assessment area for the City of Bedford. At the time, the City of Bedford requires an application for the installation of a water wells to the Sewer Department for approval by the Board of Public Works and Safety and Lawrence County does not require an application or permit for residential drinking wells. Multiple deed restrictions have been applied at parcels located in Bedford as detailed in Table 1.

Regards,



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TH/lg/LTR-13

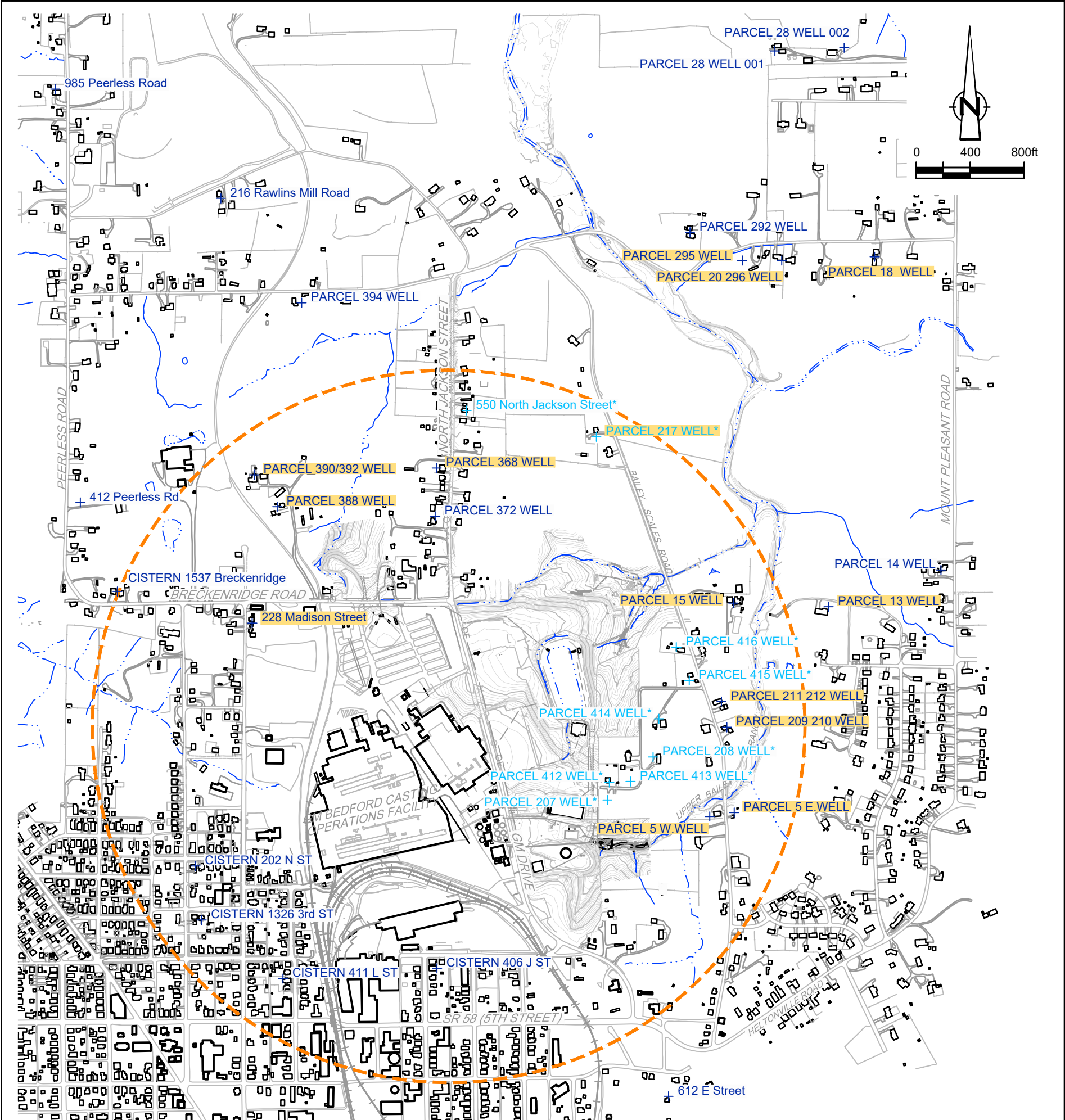
Copy to: Ed Peterson, GM



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Figures



SOURCE: BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI. APRIL 2001
AND CRA SURVEYS 2002 - 2005

NOTE: GM PROPERTY BOUNDARY SURVEY BY BLEDSOE RIGGERT
GUERRETTAZ RECEIVED OCTOBER 2007. ADJACENT
PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM
THE LAWRENCE COUNTY SURVEY PLATS. ADJOINING
PROPERTY LINES MAY NOT ACCURATELY REPRESENT THE
TRUE PROPERTY BOUNDARIES

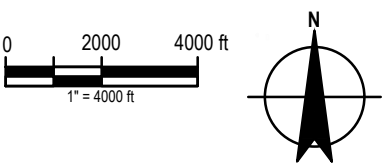
- LEGEND**
- EXISTING BUILDINGS
 - FENCE LINE
 - RAILROAD TRACKS
 - DIRT ROADS
 - ROADS / PAVED AREAS
 - APPROXIMATE SURFACE WATER LOCATION
 - 1/2 MILE RADIUS LIMIT
 - WELL OR CISTERN LOCATION
 - ABANDONED WELL OR CISTERN LOCATION

NOTE:
THE FOLLOWING WELLS WERE ABANDONED BY GM CORP: PARCEL 207 WELL,
PARCEL 208 WELL, PARCEL 217 WELL, PARCEL 412 WELL, PARCEL 413 WELL,
PARCEL 414 WELL, PARCEL 415 WELL, PARCEL 416 WELL AND 550 N JACKSON
STREET.

FOR WELLS AND THE ASSOCIATED PARCEL WITH **ORANGE HIGHLIGHTS**, A
GROUNDWATER USE RESTRICTION OR WARRANTY DEED HAS BEEN APPLIED.



figure 1
RESIDENTIAL WELL SURVEY
GM GPS BEDFORD FACILITY
Bedford, Indiana

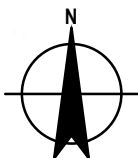
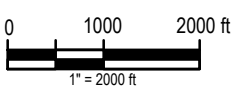


GM BCO FACILITY
BEDFORD, INDIANA
RCRA CORRECTIVE MEASURES PROPOSAL

NORTH LAWRENCE WATER
AUTHORITY WATER WELL LOCATION

Project No. 11228036
Date June 2023

FIGURE 2



GM BCO FACILITY
BEDFORD, INDIANA
RCRA CORRECTIVE MEASURES PROPOSAL

CITY OF BEDFORD DRINKING
SURFACE WATER INTAKE LOCATION

Project No. 11228036
Date June 2023

FIGURE 3

Table

Residential Well Survey
Well/Cistern Locations
GM Bedford Casting Operations Facility
Bedford, Indiana

Original Well/Cistern ID	Current Well/Cistern Address	Well Construction Details									Public Supplied Water Use
		Distance/ Direction from Facility	Completion Date	Well Depth (ft bgs)	Screen Interval (ft bgs)	Bedrock Depth (ft bgs)	Owner Name/Address	Current Status	Site Visit Results	Restrictions	
Inside 0.5 Mile Radius											
Parcel 5 W.Well	115 Bailey Scales Road, Bedford, Indiana 47421	~2,000 feet SE	Construction Details Unavailable				Inactive	No answer	Deed Type B	Yes (NLWA)	
Parcel 5 E.Well	Bailey Scales Road, Bedford, Indiana 47421	~2,200 feet SE	Construction Details Unavailable				Unknown	Vacant Lot	Deed Type B	No (Vacant Lot)	
Parcel 15 Well	314 April Lane, Bedford, Indiana 47421	~2,200 feet NE	Construction Details Unavailable				Abandoned	Well still present, not used	Deed Type B	Yes (NLWA)	
Parcel 207 Well	704 Barlow Lane, Bedford, Indiana 47421	~1,300 feet SE	Abandoned				Abandoned	--	--	No (Home Demolished)	
Parcel 208 Well	620 Barlow Lane, Bedford, Indiana 47421	~1,500 feet SE	Abandoned				Abandoned	--	--	No (Home Demolished)	
Parcel 209 210 Well	206 Bailey Scales Road, Bedford, Indiana 47421	~2,000 feet ESE	Construction Details Unavailable				Inactive	No answer	Deed Type B	Yes (NLWA)	
Parcel 211 212 Well	216 Bailey Scales Road, Bedford, Indiana 47421	~2,000 feet E	Construction Details Unavailable				Inactive	No answer	Deed Type B	Yes (NLWA)	
Parcel 217 Well	809 Bailey Scales Road, Bedford, Indiana 47421	~2,300 feet NE	Construction Details Unavailable				Abandoned	--	Deed Type A and Type C	Yes (NLWA)	
Parcel 368 Well	445 N. Jackson Street, Bedford, Indiana 47421	~1,800 feet N	Construction Details Unavailable				Inactive	No answer	Deed Type C	Yes (NLWA)	
Parcel 372 Well	403 N. Jackson Street, Bedford, Indiana 47421	~1,400 feet N	Construction Details Unavailable				Unknown	Vacant Lot	--	No (Vacant Lot)	
Parcel 388 Well	421 N. Lawrence Street, Bedford, Indiana 47421	~2,000 feet NW	Construction Details Unavailable				Unknown	No answer	Deed Type B	No (NLWA)	
Parcel 390/392 Well	1215 Redbud Lane, Bedford, Indiana 47421	~2,300 feet NW	Construction Details Unavailable				Abandoned	Homeowner indicated well is abandoned	Deed Type C	Yes (NLWA)	
Parcel 412 Well	715 Barlow Lane, Bedford, Indiana 47421	~1,300 feet SE	Abandoned				Abandoned	--	--	No (Home Demolished)	
Parcel 413 Well	619 Barlow Lane, Bedford, Indiana 47421	~1,400 feet SE	Abandoned				Abandoned	--	--	No (Home Demolished)	
Parcel 414 Well	514 Barlow Lane, Bedford, Indiana 47421	~1,500 feet ESE	Abandoned				Abandoned	--	--	No (Home Demolished)	
Parcel 415 Well	305 Bailey Scales Road, Bedford, Indiana 47421	~1,800 feet E	Abandoned				Abandoned	--	--	Yes (NLWA)	
Parcel 416 Well	327 Bailey Scales Road, Bedford, Indiana 47421	~1,700 feet ENE	Abandoned				Abandoned	--	--	No (Home Demolished)	
Cistern 202 N ST	202 N Street, Bedford, Indiana 47421	~2,300 feet SW	Construction Details Unavailable				Inactive	No answer	--	Yes (BCU)	
Cistern 406 J ST	406 J Street, Bedford, Indiana 47421	~2,000 feet S	Construction Details Unavailable				Unknown	Vacant Home	--	No (Vacant Home)	
Cistern 411 L ST	411 L Street, Bedford, Indiana 47421	~2,400 feet SW	Construction Details Unavailable				Inactive	Homeowner confirmed that public water is used	--	Yes (BCU)	
Cistern 1326 3rd ST	1326 3rd Street, Bedford, Indiana 47421	~2,500 feet SW	Construction Details Unavailable				Inactive	No answer	--	Yes (BCU)	
Cistern 1537 Breckenridge	1537 Breckenridge Road, Bedford, Indiana 47421	~2,600 feet WNW	Construction Details Unavailable				Unknown	No answer	--	No (NLWA)	
228 Madison Street	228 Madison Street, Bedford, Indiana 47421	~1,600 feet WNW	Construction Details Unavailable				Unknown	Vacant Lot	Deed Type A	No (Vacant Lot)	
550 North Jackson Street	550 N. Jackson Street, Bedford, Indiana 47421	~2,200 feet N	Construction Details Unavailable				Abandoned	--	--	No (NLWA)	
Outside 0.5 Mile Radius											
Parcel 13 Well	330 Robins Way, Bedford, Indiana 47421	~2,800 feet ENE	Construction Details Unavailable				Not used	--	Deed Type A	Yes (BCU)	
Parcel 14 Well	485 Mt. Pleasant Road, Bedford, Indiana 47421	~3,700 feet ENE	Construction Details Unavailable				Not used	--	--	Yes (BCU)	
Parcel 18 Well	614 Broomsage Road, Bedford, Indiana 47421	~4,500 feet NE	Construction Details Unavailable				Not used	--	Deed Type C	Yes (NLWA)	
Parcel 28 Well 001	1277 Mt. Pleasant Road, Bedford, Indiana 47421	~5,400 feet NNE	Construction Details Unavailable				Not used	--	--	Yes (NLWA)	
Parcel 28 Well 002		~5,600 feet NNE	Construction Details Unavailable				Not used	--	--	Yes (NLWA)	
Parcel 292 Well	413 Broomsage Road, Bedford, Indiana 47421	~3,900 feet NNE	Construction Details Unavailable				Not used	--	--	Yes (NLWA)	
Parcel 295 Well	452 Broomsage Road, Bedford, Indiana 47421	~3,900 feet NNE	Construction Details Unavailable				Not used	--	Deed Type A	Yes (NLWA)	
Parcel 20 296 Well	472 Broomsage Road, Bedford, Indiana 47421	~4,100 feet NNE	Construction Details Unavailable				Not used	--	Deed Type A	Yes (NLWA)	
Parcel 394 Well	1250 Dive Road, Bedford, Indiana 47421	~3,200 feet NNW	Construction Details Unavailable				Not used	--	--	Yes (NLWA)	
216 Rawlins Mill Road	216 Rawlins Mill Road, Bedford, Indiana 47421	~4,100 feet NNW	Construction Details Unavailable				Not used	--	--	Yes (NLWA)	
412 Peerless Road	412 Peerless Road, Bedford, Indiana 47421	~3,200 feet NW	Construction Details Unavailable				Not used	--	--	Yes (NLWA)	
612 E Street	504 6th Street, Bedford, Indiana 47421	~3,300 feet SSE	Construction Details Unavailable				Not used	--	--	Yes (BCU)	
985 Peerless Road	985 Peerless Road, Bedford, Indiana 47421	~5,500 feet NNW	7/21/1960	140	6-140	6	Casey L Robrect-Owens	Not used	--	Yes (NLWA)	

Notes:

Deed Type A: Owner shall not use, nor permit anyone else to use, the groundwater, seeps or springs at, in or under the Real Estate for any purpose, including potable and non-potable uses, nor shall Owner drill, bore or otherwise construct, or use, a well at, in or under the Real Estate for the purpose of extracting water for any use, except for environmental site investigation or remediation purposes, including in connection with the Ongoing Remediation.

Deed Type B: This transfer is made subject to the following: the Grantee, his heirs and assigns, and all subsequent owners and/or users of the land shall not use the groundwater for any purpose, including potable and non potable uses, and shall not permit such use of groundwater by anyone. This restriction shall run with the land and be binding and enforceable against Grantee, his heirs and assigns, and all subsequent owners and/or uses of the land.

Deed Type C: This transfer is made subject to the following: the Grantee, his heirs and assigns, and all subsequent owners and/or users of the land shall not use the groundwater for any purpose, including potable and non potable uses, and shall not permit such use of groundwater by anyone. This restriction shall run with the land and be binding and enforceable against Grantee, his heirs and assigns, and all subsequent owners and/or uses of the land.

Appendices

Appendix A

Water Well Records

Record of Water Well

Indiana Department of Natural Resources

Reference Number 228174	Driving directions to well 4849'E & 2750'N OF SW CORNER OF SECTION 11, 176'W OF 12" PUMPED WELL 12-79-E		Date completed Feb 23, 1979	
Owner-Contractor Owner Driller Operator	Name NORTH LAWRENCE WATER CORP. LAYNE NORTHERN CO., INC. C. FREEMAN	Address BEDFORD MISHAWAKA License: null	Telephone	
Construction Details Well Casing Screen	Use: Depth: 90.0 Length: 46.0 Length:	Drilling method: Rotary Pump setting depth: Material: Material:	Pump type: Water quality: Diameter: 2.0 Diameter: Slot size:	
Well Capacity Test	Type of test: Drawdown: ft.	Test rate: gpm for hrs. Static water level: 16.25 ft.	BailTest rate: gpm for hrs. Bailer Drawdown ft.	
Grouting Information	Material: Installation Method:		Depth: from to Number of bags used:	
Well Abandonment	Sealing material: Installation Method:		Depth: from to Number of bags used:	
Administrative	County: LAWRENCE Section: SE of the SE of the NE of Section 11 Grant Number: Field located by: Courthouse location by: Location accepted w/o verification by: Subdivision name: Ft W of EL: 400.0 Ground elevation: 481.2 UTM Easting: 535318.0		Township: 4N Range: 2W on: on: on: Lot number: Ft E of WL: Bedrock elevation: 397.2 UTM Northing: 4293976.0	
		Ft N of SL: Depth to bedrock: 84.0	Ft S of NL: 2700.0 Aquifer elevation:	

Well Log	Top	Bottom	Formation
	0.0	13.0	BROWN SANDY CLAY
	13.0	31.0	CRS. MED. & FINE SAND
	31.0	42.0	CRS. MED. FINE GRAVL. W/ CRS.
	42.0	64.0	CRS. MED FINE SAND
	64.0	76.0	CRS. MED FINE SAND W/ FINE GRA
	76.0	80.0	BLUE CLAY
	80.0	84.0	GREEN CLAY
	84.0	90.0	HARD LIMESTONE
Comments	TEST 79-D; BBS WELL DATA INCLUDED IN THIS PACKET; OTHER TEST WELLS DRILLED IN IMMEDIATE VICINITY		

Record of Water Well

Indiana Department of Natural Resources

Reference Number 228184	Driving directions to well 225' E OF PUMPED WELL; 5250' EAST AND 2750' N OF SW CORNER OF SECTION 11	Date completed Feb 15, 1979	
Owner-Contractor Owner Driller Operator	Name NORTH LAWRENCE WATER CORP. LAYNE NORTHERN CO., INC. C. FREEMAN	Address BEDFORD MISHAWAKA IN License: null	Telephone
Construction Details Well Casing Screen	Use: Depth: 94.0 Length: 50.0 Length:	Drilling method: Rotary Pump setting depth: Material: Material:	Pump type: Water quality: Diameter: 2.0 Diameter: Slot size:
Well Capacity Test	Type of test: Drawdown: ft.	Test rate: gpm for hrs. Static water level: 12.0 ft.	BailTest rate: gpm for hrs. Bailer Drawdown ft.
Grouting Information	Material: Installation Method:	Depth: from to Number of bags used:	
Well Abandonment	Sealing material: Installation Method:	Depth: from to Number of bags used:	
Administrative	County: LAWRENCE Section: SE of the SE of the NE of Section 11 Grant Number: Field located by: Courthouse location by: Location accepted w/o verification by: Subdivision name: Ft W of EL: 0.0 Ground elevation: 476.2 UTM Easting: 535434.0	Township: 4N Range: 2W on: on: on: Lot number: Ft E of WL: Bedrock elevation: 382.0 UTM Northing: 4293973.0	Topo map: BEDFORD WEST Ft S of NL: 2650.0 Aquifer elevation:

Well Log	Top	Bottom	Formation
	0.0	1.0	LIGHT BROWN CLAY
	1.0	4.0	LIGHT BROWN SANDY CLAY
	4.0	9.0	CRS. MED. FINE SAND
	9.0	68.0	MED. & FINE SAND
	68.0	94.0	MED. & FINE SAND W/ GREEN CLAY
	94.0		LIMESTONE
Comments	MC382; TEST 79-A; DETAILED WATER LEVEL DATA AT OBS. WELL FOR PUMP TEST CONDUCTED ON WELL #1		

Record of Water Well

Indiana Department of Natural Resources

Reference Number 228194	Driving directions to well FOUND NORTH OF THE EAST FORK OF WHITE RIVER, SEE ENCLOSED TOPO MAP FOR LOCATION		Date completed Apr 23, 1980	
Owner-Contractor	Name	Address	Telephone	
Owner	NORTH LAWRENCE WATER CORP.			
Driller	REYNOLDS SUPPLY INC.			
Operator	BARRY SINGLETON	License: null		
Company	REYNOLDS SUPPLY INC.	1421 MELLWOOD AVENUE, LOUISVILLE KY		
Construction Details				
Well	Use: Public Supply	Drilling method: Rotary	Pump type:	
	Depth: 90.5	Pump setting depth:	Water quality:	
Casing	Length: 85.5	Material:	Diameter: 2.0	
Screen	Length: 5.0	Material:	Diameter: 2.0 Slot size: 10	
Well Capacity Test	Type of test:	Test rate: gpm for hrs.	BailTest rate: gpm for hrs.	
	Drawdown: ft.	Static water level: 8.0 ft.	Bailer Drawdown ft.	
Grouting Information	Material:	Depth: from to		
	Installation Method:	Number of bags used:		
Well Abandonment	Sealing material:	Depth: from to		
	Installation Method:	Number of bags used:		
Administrative	County: LAWRENCE	Township: 4N Range: 2W		
	Section: NW of the NE of the SE of Section 11	Topo map: BEDFORD WEST		
	Grant Number:			
	Field located by:	on:		
	Courthouse location by:	on:		
	Location accepted w/o verification by:	on:		
	Subdivision name:	Lot number:		
	Ft W of EL: 1010.0	Ft N of SL: 2470.0	Ft E of WL:	Ft S of NL:
	Ground elevation: 482.0	Depth to bedrock:	Bedrock elevation:	Aquifer elevation: 391.0
	UTM Easting: 535123.0		UTM Northing: 4293875.0	

Well Log	Top	Bottom	Formation
	0.0	3.0	TOPSOIL
	3.0	13.0	BROWN SILTY FINE SANDY CLAY
	13.0	18.0	SAND
	18.0	22.0	BOULDERS
	22.0	23.0	SAND
	23.0	28.0	SAND & GRAVEL
	28.0	38.0	MED. V. CRS SAND W/ SOME GRAVE
	38.0	48.0	MED. SAND WITH SOME FINE SAND
	48.0	63.0	FINE & MED. SAND
	63.0	68.0	MED. CRS SAND
	68.0	73.0	MED. VERY CRS. SAND
	73.0	83.0	MED. SAND WITH FINE & COARSE
	83.0	90.5	MED. SAND WITH FINE GRAVEL
Comments	AUGER TEST WELL #3; DETAILED FORMATION LOG ATTACHED		

Record of Water Well

Indiana Department of Natural Resources

Reference Number 228199	Driving directions to well FOUND NORTH OF THE EAST FORK OF WHITE RIVER, SEE ENCLOSED TOPO MAP FOR LOCATION		Date completed Apr 23, 1980	
Owner-Contractor	Name	Address	Telephone	
Owner	NORTH LAWRENCE WATER CORP.			
Driller	REYNOLDS SUPPLY INC.			
Operator	BARRY SINGLETON	License: null		
Company	REYNOLDS SUPPLY INC.	1421 MELLWOOD AVENUE, LOUISVILLE, KY		
Construction Details				
Well	Use: Public Supply	Drilling method: Rotary	Pump type:	
	Depth: 87.5	Pump setting depth:	Water quality:	
Casing	Length: 82.5	Material:	Diameter: 2.0	
Screen	Length: 5.0	Material:	Diameter: 2.0 Slot size: 10	
Well Capacity Test	Type of test:	Test rate: gpm for hrs.	BailTest rate: gpm for hrs.	
	Drawdown: ft.	Static water level: 6.0 ft.	Bailer Drawdown ft.	
Grouting Information	Material:	Depth: from to		
	Installation Method:	Number of bags used:		
Well Abandonment	Sealing material:	Depth: from to		
	Installation Method:	Number of bags used:		
Administrative	County: LAWRENCE	Township: 4N Range: 2W		
	Section: NE of the NE of the SE of Section 11	Topo map: BEDFORD WEST		
	Grant Number:			
	Field located by:	on:		
	Courthouse location by:	on:		
	Location accepted w/o verification by:	on:		
	Subdivision name:	Lot number:		
	Ft W of EL: 325.0	Ft N of SL: 2470.0	Ft E of WL:	Ft S of NL:
	Ground elevation: 480.0	Depth to bedrock:	Bedrock elevation:	Aquifer elevation: 393.0
	UTM Easting: 535349.0		UTM Northing: 4293882.0	

Well Log	Top	Bottom	Formation
	0.0	3.0	TOPSOIL
	3.0	8.0	MED. BROWN SILTY CLAY
	8.0	28.0	SAND & GRAVEL
	28.0	42.0	MED. CRS. SAND
	42.0	48.0	MED. SAND
	48.0	63.0	MED. CRS. FINE SAND WITH GRAVE
	63.0	68.0	MED. SAND
	68.0	87.5	MED. CRS. SAND W/ GRAVEL
Comments	AUGER TEST WELL #2		

Record of Water Well

Indiana Department of Natural Resources

Reference Number 228204	Driving directions to well FOUND NORTH OF EAST FORK OF WHITE RIVER, SEE ENCLOSED TOPO MAP FOR LOCATION		Date completed Apr 24, 1980	
Owner-Contractor	Name	Address	Telephone	
Owner	NORTH LAWRENCE WATER CORP.			
Driller	REYNOLDS SUPPLY INC.			
Operator	BARRY SINGLETON	License: null		
Company	REYNOLDS SUPPLY INC.	1421 MELLWOOD AVENUE, LOUISVILLE KY		
Construction Details				
Well	Use: Public Supply	Drilling method: Rotary	Pump type:	
	Depth: 99.0	Pump setting depth:	Water quality:	
Casing	Length: 94.0	Material:	Diameter: 2.0	
Screen	Length: 5.0	Material:	Diameter: 2.0 Slot size: 10	
Well Capacity Test	Type of test:	Test rate: gpm for hrs.	BailTest rate: gpm for hrs.	
	Drawdown: ft.	Static water level: 19.0 ft.	Bailer Drawdown ft.	
Grouting Information	Material:	Depth: from to		
	Installation Method:	Number of bags used:		
Well Abandonment	Sealing material:	Depth: from to		
	Installation Method:	Number of bags used:		
Administrative	County: LAWRENCE		Township: 4N Range: 2W	
	Section: SE of the SE of the NE of Section 11		Topo map: BEDFORD WEST	
	Grant Number:			
	Field located by:		on:	
	Courthouse location by:		on:	
	Location accepted w/o verification by:		on:	
	Subdivision name:		Lot number:	
	Ft W of EL: 280.0	Ft N of SL:	Ft E of WL:	Ft S of NL: 1900.0
	Ground elevation: 490.0	Depth to bedrock:	Bedrock elevation:	Aquifer elevation: 391.0
	UTM Easting: 535360.0		UTM Northing: 4294187.0	

Well Log	Top	Bottom	Formation
	0.0	3.0	TOPSOIL
	3.0	8.0	SILTY SANDY CLAY
	8.0	13.0	FINE-MED. SAND, SILTY & CLAYEY
	13.0	23.0	MED. CRS. SAND V. SILTY
	23.0	38.0	CRS. SAND WITH GRAVEL
	38.0	53.0	FINE-MED. SAND
	53.0	58.0	MED. SAND WITH SOME FINE SAND
	58.0	73.0	CRS. SAND SOME GRAVEL
	73.0	83.0	MED. TO CRS SAND
	83.0	88.0	LAMINATED CLAY
	88.0	99.0	BLUE GRAY HARDPAN CLAY
Comments	AUGER TEST WELL #1; DETAILED FORMATION LOT ATTACHED		

Record of Water Well

Indiana Department of Natural Resources

Reference Number 264851	Driving directions to well 5025'E & 2750'N OF SW CORNER OF SECTION1 11, 17' N OF TW 79E	Date completed May 04, 1979	
Owner-Contractor Owner Driller Operator	Name NORTH LAWRENCE WATER CORP. LAYNE NORTHERN CO. C. FREEMAN & L. FORD	Address BEDFORD IN License: null	Telephone
Construction Details Well Casing Screen	Use: Public Supply Depth: 68.0 Length: 68.5 Length: 10.0	Drilling method: Rotary Pump setting depth: Material: Material:	Pump type: Water quality: Diameter: 12.0 Diameter: 12.0 Slot size: .050
Well Capacity Test	Type of test: Drawdown: 35.5 ft.	Test rate: 264.0 gpm for 72.0 hrs. Static water level: 16.0 ft.	BailTest rate: gpm for hrs. Bailer Drawdown ft.
Grouting Information	Material: Installation Method:	Depth: from to Number of bags used:	
Well Abandonment	Sealing material: Installation Method:	Depth: from to Number of bags used:	
Administrative	County: LAWRENCE Section: SE of the SE of the NE of Section 11 Grant Number: Field located by: Courthouse location by: Location accepted w/o verification by: Subdivision name: Ft W of EL: 200.0 Ground elevation: 479.3 UTM Easting: 535403.0	Township: 4N Range: 2W on: on: on: Lot number: Ft N of SL: Depth to bedrock:	Topo map: BEDFORD WEST Ft E of WL: Bedrock elevation: UTM Northing: 4293973.0 Ft S of NL: 2650.0 Aquifer elevation: 411.0

Well Log	Top	Bottom	Formation
	0.0	13.0	BROWN SANDY CLAY
	13.0	58.0	CRS. MED. & FINE GRAV W/ M-F S
	58.0	68.0	CRS. MED & FINE GRAV W/ CRS TO
Comments	MC410; WELL 79-12-E; PUMPING TEST DATA INSIDE THIS PACKET OF MATERIAL		

Record of Water Well

Indiana Department of Natural Resources

Reference Number 264856	Driving directions to well 4410' & 2750' N OF SW CORNER OF SECTION 11, 615' WEST OF 12' PUMPED WELL, 70-12-E	Date completed Feb 01, 1979	
Owner-Contractor Owner Driller Operator	Name NORTH LAWRENCE WATER CORP. LAYNE NORTHERN COMPANY C. FREEMAN & L. FORD	Address BEDFORD IN License: null	Telephone
Construction Details Well Casing Screen	Use: Public Supply Depth: 60.0 Length: 45.0 Length: 20.0	Drilling method: Rotary Pump setting depth: Material: Material:	Pump type: Water quality: Diameter: 2.0 Diameter: 24.0 Slot size:
Well Capacity Test	Type of test: Drawdown: ft.	Test rate: gpm for hrs. Static water level: 12.25 ft.	BailTest rate: gpm for hrs. Bailer Drawdown ft.
Grouting Information	Material: Installation Method:	Depth: from to Number of bags used:	
Well Abandonment	Sealing material: Installation Method:	Depth: from to Number of bags used:	
Administrative	County: LAWRENCE Section: SW of the SE of the NE of Section 11 Grant Number: Field located by: Courthouse location by: Location accepted w/o verification by: Subdivision name: Ft W of EL: Ground elevation: 477.6 UTM Easting: 535225.0	Township: 4N Range: 2W on: on: on: Lot number: Ft N of SL: Depth to bedrock:	Topo map: BEDFORD WEST Ft E of WL: Bedrock elevation: UTM Northing: 4293985.0 Ft S of NL: Aquifer elevation: 436.0

Well Log	Top	Bottom	Formation
Comments	MC435; WELL 79-F; MC. NO LITHOLOGY LISTED BUT PUMP TEST INFORMATION IS ATTACHED		

Record of Water Well

Indiana Department of Natural Resources

Reference Number 264861	Driving directions to well 5042' E & 2750'N OF SW CORNER OF SECTION 11; 17' E OF 12" PUMPED WELL 12-79-E		Date completed Feb 01, 1979	
Owner-Contractor Owner Driller Operator	Name NORTH LAWRENCE WATER CORP. LAYNE NORTHERN COMPANY C. FREEMAN & L. FORD	Address BEDFORD IN License: null	Telephone	
Construction Details Well Casing Screen	Use: Depth: 67.0 Length: 49.0 Length: 20.0	Drilling method: Rotary Pump setting depth: Material: Material:	Pump type: Water quality: Diameter: 2.0 Diameter: 2.0 Slot size:	
Well Capacity Test	Type of test: Drawdown: ft.	Test rate: gpm for hrs. Static water level: 13.7 ft.	BailTest rate: gpm for hrs. Bailer Drawdown ft.	
Grouting Information	Material: Installation Method:	Depth: from to Number of bags used:		
Well Abandonment	Sealing material: Installation Method:	Depth: from to Number of bags used:		
Administrative	County: LAWRENCE Section: SE of the SE of the NE of Section 11 Grant Number: Field located by: Courthouse location by: Location accepted w/o verification by: Subdivision name: Ft W of EL: 183.0 Ground elevation: 480.0 UTM Easting: 535403.0		Township: 4N Range: 2W Topo map: BEDFORD WEST on: on: on: Lot number: Ft E of WL: Ft S of NL: 2650.0 Bedrock elevation: Aquifer elevation: 413.0 UTM Northing: 4293975.0	

Well Log	Top	Bottom	Formation
	0.0	13.0	BROWN SANDY CLAY
	13.0	58.0	CRS. MED & FINE GRA W. CRS TO
	58.0	67.0	CRS. MED& FINE GRAV W/ STRIPS
	67.0		WOOD BLACK CLAY W/ GREEN & BRO
Comments	TEST 79-E		

Record of Water Well

Indiana Department of Natural Resources

Reference Number 264866	Driving directions to well 5042' E. OF 3450' N OF SW CORNER OF SECTION 11; 17' E & 700' N OF 12" PUMPED WELL 79-12-E		Date completed Feb 01, 1979	
Owner-Contractor Owner Driller Operator	Name NORTHERN LAWRENCE WATER CO. LAYNE NORTHERN CO. C. FREEMAN	Address BEDFORD, IN License: null	Telephone	
Construction Details Well Casing Screen	Use: Test Depth: 80.0 Length: Length:	Drilling method: Rotary Pump setting depth: Material: Material:	Pump type: Water quality: Diameter: Diameter: Slot size:	
Well Capacity Test	Type of test: Drawdown: ft.	Test rate: gpm for hrs. Static water level: ft.	BailTest rate: gpm for hrs. Bailer Drawdown ft.	
Grouting Information	Material: Installation Method:	Depth: from to Number of bags used:		
Well Abandonment	Sealing material: Installation Method:	Depth: from to Number of bags used:		
Administrative	County: LAWRENCE Section: NW of the SE of the NE of Section 11 Grant Number: Field located by: Courthouse location by: Location accepted w/o verification by: Subdivision name: Ft W of EL: 225.0 Ground elevation: 492.0 UTM Easting: 535391.0		Township: 4N Range: 2W on: on: on: Lot number: Ft E of WL: Bedrock elevation: 425.0 UTM Northing: 4294187.0	
		Ft N of SL: Depth to bedrock: 67.0	Ft S of NL: 200.0 Aquifer elevation:	

Well Log	Top	Bottom	Formation
	0.0	26.0	LIGHT BROWN SANDY CLAY
	26.0	52.0	RED CLAY & MEDIUM GRAVEL
	52.0	67.0	HARD GRAY CLAY
	67.0	68.0	LIMESTONE
	68.0	71.0	DARK BROWN SHALE
	71.0	80.0	HARD LIMESTONE
Comments	MC 425; TEST 79-C; MC		

Appendix B

**Usage Data Provided by the City and the
NLWA**

Billed Meter Reading History

Location: 71-0076 : 115 BAILEY SCALES RD

Service: Water (No start date - No end date)

Meter: 1375984 : 01375984

Max Read Date: 11/30/2022

<u>Read Date</u>	<u>Read Method</u>	<u>Status</u>	<u>Message</u>	<u>Read</u>	<u>Factor</u>	<u>Extended Read</u>	<u>Consumption</u>
10/18/2022 12:00:00AM	Unknown	OK		1306	100	130600	5100
9/19/2022 12:00:00AM	Unknown	OK		1255	100	125500	5600
8/16/2022 11:34:03AM	Manual	OK		1199	100	119900	6100
7/19/2022 12:00:00AM	Unknown	OK		1138	100	113800	3500
6/16/2022 12:00:00AM	Unknown	OK		1103	100	110300	3600
5/17/2022 12:00:00AM	Unknown	OK		1067	100	106700	5300
4/18/2022 12:00:00AM	Unknown	OK		1014	100	101400	4600
3/16/2022 12:00:00AM	Unknown	OK		968	100	96800	4400
2/16/2022 12:00:00AM	Unknown	OK		924	100	92400	5500
2/1/2022 12:00:00AM	Unknown	OK		869	100	86900	5100
1/1/2022 12:00:00AM	Unknown	OK		818	100	81800	4800
12/1/2021 12:00:00AM	Unknown	OK		770	100	77000	5800
11/1/2021 12:00:00AM	Unknown	OK		712	100	71200	4500
10/1/2021 12:00:00AM	Unknown	OK		667	100	66700	5100
9/1/2021 12:00:00AM	Unknown	OK		616	100	61600	5800
8/1/2021 12:00:00AM	Unknown	OK		558	100	55800	4600
7/1/2021 12:00:00AM	Unknown	OK		512	100	51200	4000
6/1/2021 12:00:00AM	Unknown	OK		472	100	47200	0

Billed Meter Reading History

Location: 71-0050 : 125 BAILEY SCALES RD

Service: Water (No start date - No end date)

Meter: 1376076 : 01376076

Max Read Date: 11/30/2022

<u>Read Date</u>	<u>Read Method</u>	<u>Status</u>	<u>Message</u>	<u>Read</u>	<u>Factor</u>	<u>Extended Read</u>	<u>Consumption</u>
10/18/2022 12:00:00AM	Unknown	OK		240	100	24000	0
9/19/2022 12:00:00AM	Unknown	OK		240	100	24000	0
8/16/2022 11:33:19AM	Manual	OK		240	100	24000	0
7/19/2022 12:00:00AM	Unknown	OK		240	100	24000	0
6/16/2022 12:00:00AM	Unknown	OK		240	100	24000	0
5/17/2022 12:00:00AM	Unknown	OK		240	100	24000	0
4/18/2022 12:00:00AM	Unknown	OK		240	100	24000	0
3/16/2022 12:00:00AM	Unknown	OK		240	100	24000	0
2/16/2022 12:00:00AM	Unknown	OK		240	100	24000	0
2/1/2022 12:00:00AM	Unknown	OK		240	100	24000	0
1/1/2022 12:00:00AM	Unknown	OK		240	100	24000	0
12/1/2021 12:00:00AM	Unknown	OK		240	100	24000	1000
11/1/2021 12:00:00AM	Unknown	OK		230	100	23000	1500
10/1/2021 12:00:00AM	Unknown	OK		215	100	21500	1500
9/1/2021 12:00:00AM	Unknown	OK		200	100	20000	1400
8/1/2021 12:00:00AM	Unknown	OK		186	100	18600	1800
7/1/2021 12:00:00AM	Unknown	OK		168	100	16800	1700
6/1/2021 12:00:00AM	Unknown	OK		151	100	15100	0

Billed Meter Reading History

Location: 71-0103 : 201 BAILEY SCALES RD.

Service: Water (No start date - No end date)

Meter: 65106711 : 65106711

Max Read Date: 11/30/2022

<u>Read Date</u>	<u>Read Method</u>	<u>Status</u>	<u>Message</u>	<u>Read</u>	<u>Factor</u>	<u>Extended Read</u>	<u>Consumption</u>
10/18/2022 12:00:00AM	Unknown	OK		6725	100	672500	5200
9/19/2022 12:00:00AM	Unknown	OK		6673	100	667300	5500
8/16/2022 11:34:23AM	Manual	OK		6618	100	661800	4500
7/19/2022 12:00:00AM	Unknown	OK		6573	100	657300	5100
6/16/2022 12:00:00AM	Unknown	OK		6522	100	652200	4600
5/17/2022 12:00:00AM	Unknown	OK		6476	100	647600	4000
4/18/2022 12:00:00AM	Unknown	OK		6436	100	643600	5200
3/16/2022 12:00:00AM	Unknown	OK		6384	100	638400	4700
2/16/2022 12:00:00AM	Unknown	OK		6337	100	633700	4500
2/1/2022 12:00:00AM	Unknown	OK		6292	100	629200	6300
1/1/2022 12:00:00AM	Unknown	OK		6229	100	622900	5700
12/1/2021 12:00:00AM	Unknown	OK		6172	100	617200	4500
11/1/2021 12:00:00AM	Unknown	OK		6127	100	612700	5100
10/1/2021 12:00:00AM	Unknown	OK		6076	100	607600	4900
9/1/2021 12:00:00AM	Unknown	OK		6027	100	602700	4100
8/1/2021 12:00:00AM	Unknown	OK		5986	100	598600	4800
7/1/2021 12:00:00AM	Unknown	OK		5938	100	593800	4000
6/1/2021 12:00:00AM	Unknown	OK		5898	100	589800	0

Location: 71-0150 : 423 BAILEY SCALES RD

Service: Water (No start date - No end date)

Meter: 1376074 : 01376074

Max Read Date: 11/30/2022

<u>Read Date</u>	<u>Read Method</u>	<u>Status</u>	<u>Message</u>	<u>Read</u>	<u>Factor</u>	<u>Extended Read</u>	<u>Consumption</u>
10/18/2022 12:00:00AM	Unknown	OK		27	100	2700	100
9/19/2022 12:00:00AM	Unknown	OK		26	100	2600	0
8/16/2022 11:34:44AM	Manual	OK		26	100	2600	300
7/19/2022 12:00:00AM	Unknown	OK		23	100	2300	100
6/16/2022 12:00:00AM	Unknown	OK		22	100	2200	200
5/17/2022 12:00:00AM	Unknown	OK		20	100	2000	200
4/18/2022 12:00:00AM	Unknown	OK		18	100	1800	200
3/16/2022 12:00:00AM	Unknown	OK		16	100	1600	0
2/16/2022 12:00:00AM	Unknown	OK		16	100	1600	100
2/1/2022 12:00:00AM	Unknown	OK		15	100	1500	100
1/1/2022 12:00:00AM	Unknown	OK		14	100	1400	200
12/1/2021 12:00:00AM	Unknown	OK		12	100	1200	100
11/1/2021 12:00:00AM	Unknown	OK		11	100	1100	0
10/1/2021 12:00:00AM	Unknown	OK		11	100	1100	100
9/1/2021 12:00:00AM	Unknown	OK		10	100	1000	100
8/1/2021 12:00:00AM	Unknown	OK		9	100	900	0
7/1/2021 12:00:00AM	Unknown	OK		9	100	900	200
6/1/2021 12:00:00AM	Unknown	OK		7	100	700	0

Billed Meter Reading History

Location: 71-0175 : 206 BAILEY SCALES RD

Service: Water (No start date - No end date)

Meter: 1159908 : 01159908

Max Read Date: 11/30/2022

<u>Read Date</u>	<u>Read Method</u>	<u>Status</u>	<u>Message</u>	<u>Read</u>	<u>Factor</u>	<u>Extended Read</u>	<u>Consumption</u>
10/18/2022 12:00:00AM	Unknown	OK		82	100	8200	600
9/19/2022 12:00:00AM	Unknown	OK		76	100	7600	600
8/16/2022 11:35:04AM	Manual	OK		70	100	7000	500
7/19/2022 12:00:00AM	Unknown	OK		65	100	6500	700
6/16/2022 12:00:00AM	Unknown	OK		58	100	5800	600
5/17/2022 12:00:00AM	Unknown	OK		52	100	5200	700
4/18/2022 12:00:00AM	Unknown	OK		45	100	4500	600
3/16/2022 12:00:00AM	Unknown	OK		39	100	3900	400
2/16/2022 12:00:00AM	Unknown	OK		35	100	3500	500
2/1/2022 12:00:00AM	Unknown	OK		30	100	3000	500
1/1/2022 12:00:00AM	Unknown	OK		25	100	2500	500
12/1/2021 12:00:00AM	Unknown	OK		20	100	2000	700
11/1/2021 12:00:00AM	Unknown	OK		13	100	1300	800
10/1/2021 12:00:00AM	Unknown	OK		5	100	500	400
9/1/2021 12:00:00AM	Unknown	OK		1	100	100	0

Billed Meter Reading History

Customer: 711002 : BAILEY, JEFF

Location: 71-1002 : 216 RAWLINS MILL RD

Service: Water (No start date - No end date)

Meter: 1376141 : 01376141

Max Read Date: 12/31/2022

<u>Read Date</u>	<u>Read Method</u>	<u>Status</u>	<u>Message</u>	<u>Read</u>	<u>Factor</u>	<u>Extended Read</u>	<u>Consumption</u>
11/16/2022 12:00:00AM	Unknown	OK		179	100	17900	700
10/18/2022 12:00:00AM	Unknown	OK		172	100	17200	700
9/19/2022 12:00:00AM	Unknown	OK		165	100	16500	400
8/16/2022 11:44:07AM	Manual	OK		161	100	16100	600
7/19/2022 12:00:00AM	Unknown	OK		155	100	15500	900
6/16/2022 12:00:00AM	Unknown	OK		146	100	14600	700
5/17/2022 12:00:00AM	Unknown	OK		139	100	13900	800
4/18/2022 12:00:00AM	Unknown	OK		131	100	13100	1000
3/16/2022 12:00:00AM	Unknown	OK		121	100	12100	800
2/16/2022 12:00:00AM	Unknown	OK		113	100	11300	600
2/1/2022 12:00:00AM	Unknown	OK		107	100	10700	800
1/1/2022 12:00:00AM	Unknown	OK		99	100	9900	600
12/1/2021 12:00:00AM	Unknown	OK		93	100	9300	800
11/1/2021 12:00:00AM	Unknown	OK		85	100	8500	500
10/1/2021 12:00:00AM	Unknown	OK		80	100	8000	700
9/1/2021 12:00:00AM	Unknown	OK		73	100	7300	600
8/1/2021 12:00:00AM	Unknown	OK		67	100	6700	900
7/1/2021 12:00:00AM	Unknown	OK		58	100	5800	0

Billed Meter Reading History

Location: 71-0226 : 305 BAILEY SCALES RD

Service: Water (No start date - No end date)

Meter: 906146 : 00906146

Max Read Date: 11/30/2022

<u>Read Date</u>	<u>Read Method</u>	<u>Status</u>	<u>Message</u>	<u>Read</u>	<u>Factor</u>	<u>Extended Read</u>	<u>Consumption</u>
10/18/2022 12:00:00AM	Unknown	OK		154	100	15400	200
9/19/2022 12:00:00AM	Unknown	OK		152	100	15200	0
8/16/2022 11:35:42AM	Manual	OK		152	100	15200	300
7/19/2022 12:00:00AM	Unknown	OK		149	100	14900	100
6/16/2022 12:00:00AM	Unknown	OK		148	100	14800	200
5/17/2022 12:00:00AM	Unknown	OK		146	100	14600	200
4/18/2022 12:00:00AM	Unknown	OK		144	100	14400	100
3/16/2022 12:00:00AM	Unknown	OK		143	100	14300	300
2/16/2022 12:00:00AM	Unknown	OK		140	100	14000	500
2/1/2022 12:00:00AM	Unknown	OK		135	100	13500	400
1/1/2022 12:00:00AM	Unknown	OK		131	100	13100	100
12/1/2021 12:00:00AM	Unknown	OK		130	100	13000	500
11/1/2021 12:00:00AM	Unknown	OK		125	100	12500	700
10/1/2021 12:00:00AM	Unknown	OK		118	100	11800	200
9/1/2021 12:00:00AM	Unknown	OK		116	100	11600	200
8/1/2021 12:00:00AM	Unknown	OK		114	100	11400	100
7/1/2021 12:00:00AM	Unknown	OK		113	100	11300	300
6/1/2021 12:00:00AM	Unknown	OK		110	100	11000	0

Billed Meter Reading History

Location: 71-0465 : 314 APRIL LN

Service: Water (No start date - No end date)

Meter: 31043348 : 31043348

Max Read Date: 11/30/2022

<u>Read Date</u>	<u>Read Method</u>	<u>Status</u>	<u>Message</u>	<u>Read</u>	<u>Factor</u>	<u>Extended Read</u>	<u>Consumption</u>
10/18/2022 12:00:00AM	Unknown	OK		282	100	28200	2400
9/19/2022 12:00:00AM	Unknown	OK		258	100	25800	2700
8/16/2022 11:36:35AM	Manual	OK		231	100	23100	2100
7/19/2022 12:00:00AM	Unknown	OK		210	100	21000	2800
6/16/2022 12:00:00AM	Unknown	OK		182	100	18200	2600
5/17/2022 12:00:00AM	Unknown	OK		156	100	15600	2100
4/18/2022 12:00:00AM	Unknown	OK		135	100	13500	2800
3/16/2022 12:00:00AM	Unknown	OK		107	100	10700	2000
2/16/2022 12:00:00AM	Unknown	OK		87	100	8700	2200
2/1/2022 12:00:00AM	Unknown	OK		65	100	6500	2500
1/1/2022 12:00:00AM	Unknown	OK		40	100	4000	2200
12/1/2021 12:00:00AM	Unknown	OK		18	100	1800	-488600
11/1/2021 12:00:00AM	Unknown	OK		4904	100	490400	2200
10/1/2021 12:00:00AM	Unknown	OK		4882	100	488200	2500
9/1/2021 12:00:00AM	Unknown	OK		4857	100	485700	2300
8/1/2021 12:00:00AM	Unknown	OK		4834	100	483400	2800
7/1/2021 12:00:00AM	Unknown	OK		4806	100	480600	2500
6/1/2021 12:00:00AM	Unknown	OK		4781	100	478100	0

Billed Meter Reading History

Location: 71-0475 : 402 BAILEY SCALES RD

Service: Water (No start date - No end date)

Meter: 1265186 : 01265186

Max Read Date: 11/30/2022

<u>Read Date</u>	<u>Read Method</u>	<u>Status</u>	<u>Message</u>	<u>Read</u>	<u>Factor</u>	<u>Extended Read</u>	<u>Consumption</u>
10/18/2022 12:00:00AM	Unknown	OK		2531	100	253100	2800
9/19/2022 12:00:00AM	Unknown	OK		2503	100	250300	3500
8/16/2022 11:37:02AM	Manual	OK		2468	100	246800	2800
7/19/2022 12:00:00AM	Unknown	OK		2440	100	244000	2800
6/16/2022 12:00:00AM	Unknown	OK		2412	100	241200	5600
5/17/2022 12:00:00AM	Unknown	OK		2356	100	235600	13500
4/18/2022 12:00:00AM	Unknown	OK		2221	100	222100	7000
3/16/2022 12:00:00AM	Unknown	OK		2151	100	215100	8500
2/16/2022 12:00:00AM	Unknown	OK		2066	100	206600	14500
2/1/2022 12:00:00AM	Unknown	OK		1921	100	192100	13900
1/1/2022 12:00:00AM	Unknown	OK		1782	100	178200	5200
12/1/2021 12:00:00AM	Unknown	OK		1730	100	173000	8900
11/1/2021 12:00:00AM	Unknown	OK		1641	100	164100	15300
10/1/2021 12:00:00AM	Unknown	OK		1488	100	148800	3800
9/1/2021 12:00:00AM	Unknown	OK		1450	100	145000	3900
8/1/2021 12:00:00AM	Unknown	OK		1411	100	141100	4000
7/1/2021 12:00:00AM	Unknown	OK		1371	100	137100	4000
6/1/2021 12:00:00AM	Unknown	OK		1331	100	133100	0

Billed Meter Reading History

Customer: 711550 : KERN, CLAUDE M.

Location: 71-1550 : 412 PEERLESS RD.

Service: Water (No start date - No end date)

Meter: 944626 : 00944626

Max Read Date: 12/31/2022

<u>Read Date</u>	<u>Read Method</u>	<u>Status</u>	<u>Message</u>	<u>Read</u>	<u>Factor</u>	<u>Extended Read</u>	<u>Consumption</u>
11/16/2022 12:00:00AM	Unknown	OK		799	100	79900	1200
10/18/2022 12:00:00AM	Unknown	OK		787	100	78700	1500
9/19/2022 12:00:00AM	Unknown	OK		772	100	77200	1900
8/16/2022 12:18:36PM	Manual	OK		753	100	75300	1200
7/19/2022 12:00:00AM	Unknown	OK		741	100	74100	1500
6/16/2022 12:00:00AM	Unknown	OK		726	100	72600	1100
5/17/2022 12:00:00AM	Unknown	OK		715	100	71500	1300
4/18/2022 12:00:00AM	Unknown	OK		702	100	70200	1300
3/16/2022 12:00:00AM	Unknown	OK		689	100	68900	1100
2/16/2022 12:00:00AM	Unknown	OK		678	100	67800	1200
2/1/2022 12:00:00AM	Unknown	OK		666	100	66600	1500
1/1/2022 12:00:00AM	Unknown	OK		651	100	65100	1400
12/1/2021 12:00:00AM	Unknown	OK		637	100	63700	1200
11/1/2021 12:00:00AM	Unknown	OK		625	100	62500	7000
10/1/2021 12:00:00AM	Unknown	OK		555	100	55500	1900
9/1/2021 12:00:00AM	Unknown	OK		536	100	53600	1600
8/1/2021 12:00:00AM	Unknown	OK		520	100	52000	1500
7/1/2021 12:00:00AM	Unknown	OK		505	100	50500	0

Billed Meter Reading History

Customer: 730577 : HARDMAN, CRAIG

Location: 73-0577 : 413 BROOMSAGE RD

Service: Water (No start date - No end date)

Meter: 944586 : 00944586

Max Read Date: 12/31/2022

<u>Read Date</u>	<u>Read Method</u>	<u>Status</u>	<u>Message</u>	<u>Read</u>	<u>Factor</u>	<u>Extended Read</u>	<u>Consumption</u>
11/17/2022 12:00:00AM	Unknown	OK		1197	100	119700	3000
10/19/2022 12:00:00AM	Unknown	OK		1167	100	116700	1700
9/20/2022 12:00:00AM	Unknown	OK		1150	100	115000	5400
8/17/2022 12:00:00AM	Manual	OK		1096	100	109600	1900
7/20/2022 12:00:00AM	Unknown	OK		1077	100	107700	3400
6/16/2022 12:00:00AM	Unknown	OK		1043	100	104300	2000
5/18/2022 12:00:00AM	Unknown	OK		1023	100	102300	0
4/19/2022 12:00:00AM	Unknown	OK		1023	100	102300	0
3/17/2022 12:00:00AM	Unknown	OK		1023	100	102300	0
2/17/2022 12:00:00AM	Unknown	OK		1023	100	102300	0
2/1/2022 12:00:00AM	Unknown	OK		1023	100	102300	100
1/1/2022 12:00:00AM	Unknown	OK		1022	100	102200	2800
12/1/2021 12:00:00AM	Unknown	OK		994	100	99400	17100
11/1/2021 12:00:00AM	Unknown	OK		823	100	82300	6700
10/1/2021 12:00:00AM	Unknown	OK		756	100	75600	3300
9/1/2021 12:00:00AM	Unknown	OK		723	100	72300	2100
8/1/2021 12:00:00AM	Unknown	OK		702	100	70200	2600
7/1/2021 12:00:00AM	Unknown	OK		676	100	67600	0

Billed Meter Reading History

Customer: 713053 : HART, AMY

Location: 71-3053 : 445 N. JACKSON

Service: Water (No start date - No end date)

Meter: 62442304 : 62442304

Max Read Date: 12/31/2022

<u>Read Date</u>	<u>Read Method</u>	<u>Status</u>	<u>Message</u>	<u>Read</u>	<u>Factor</u>	<u>Extended Read</u>	<u>Consumption</u>
11/16/2022 12:00:00AM	Unknown	OK		3500	100	350000	1200
10/18/2022 12:00:00AM	Unknown	OK		3488	100	348800	900
9/19/2022 12:00:00AM	Unknown	OK		3479	100	347900	1000
8/16/2022 2:04:54PM	Manual	OK		3469	100	346900	1100
7/19/2022 12:00:00AM	Unknown	OK		3458	100	345800	1300
6/16/2022 12:00:00AM	Unknown	OK		3445	100	344500	1100
5/17/2022 12:00:00AM	Unknown	OK		3434	100	343400	1200
4/18/2022 12:00:00AM	Unknown	OK		3422	100	342200	1000
3/16/2022 12:00:00AM	Unknown	OK		3412	100	341200	800
2/16/2022 12:00:00AM	Unknown	OK		3404	100	340400	1000
2/1/2022 12:00:00AM	Unknown	OK		3394	100	339400	1500
1/1/2022 12:00:00AM	Unknown	OK		3379	100	337900	1700
12/1/2021 12:00:00AM	Unknown	OK		3362	100	336200	1600
11/1/2021 12:00:00AM	Unknown	OK		3346	100	334600	1400
10/1/2021 12:00:00AM	Unknown	OK		3332	100	333200	1500
9/1/2021 12:00:00AM	Unknown	OK		3317	100	331700	2100
8/1/2021 12:00:00AM	Unknown	OK		3296	100	329600	1500
7/1/2021 12:00:00AM	Unknown	OK		3281	100	328100	0

Billed Meter Reading History

Customer: 730570 : COREY, JEFF & MONICA

Location: 73-0570 : 452 BROOMSAGE RD

Service: Water (No start date - No end date)

Meter: 71836592 : 71836592

Max Read Date: 12/31/2022

<u>Read Date</u>	<u>Read Method</u>	<u>Status</u>	<u>Message</u>	<u>Read</u>	<u>Factor</u>	<u>Extended Read</u>	<u>Consumption</u>
11/17/2022 12:00:00AM	Unknown	OK		4891	100	489100	3900
10/19/2022 12:00:00AM	Unknown	OK		4852	100	485200	4200
9/20/2022 12:00:00AM	Unknown	OK		4810	100	481000	5000
8/17/2022 12:00:00AM	Manual	OK		4760	100	476000	3500
7/20/2022 12:00:00AM	Unknown	OK		4725	100	472500	6000
6/16/2022 12:00:00AM	Unknown	OK		4665	100	466500	3900
5/18/2022 12:00:00AM	Unknown	OK		4626	100	462600	4300
4/19/2022 12:00:00AM	Unknown	OK		4583	100	458300	4200
3/17/2022 12:00:00AM	Unknown	OK		4541	100	454100	4000
2/17/2022 12:00:00AM	Unknown	OK		4501	100	450100	3500
2/1/2022 12:00:00AM	Unknown	OK		4466	100	446600	3600
1/1/2022 12:00:00AM	Unknown	OK		4430	100	443000	3800
12/1/2021 12:00:00AM	Unknown	OK		4392	100	439200	3600
11/1/2021 12:00:00AM	Unknown	OK		4356	100	435600	4000
10/1/2021 12:00:00AM	Unknown	OK		4316	100	431600	4000
9/1/2021 12:00:00AM	Unknown	OK		4276	100	427600	4500
8/1/2021 12:00:00AM	Unknown	OK		4231	100	423100	4300
7/1/2021 12:00:00AM	Unknown	OK		4188	100	418800	0

Billed Meter Reading History

Customer: 730529 : MYERS, ELLIOTT

Location: 73-0529 : 472 BROOMSAGE RD

Service: Water (No start date - No end date)

Meter: 5531478 : 05531478

Max Read Date: 12/31/2022

<u>Read Date</u>	<u>Read Method</u>	<u>Status</u>	<u>Message</u>	<u>Read</u>	<u>Factor</u>	<u>Extended Read</u>	<u>Consumption</u>
11/17/2022 12:00:00AM	Unknown	OK		4243	100	424300	2200
10/19/2022 12:00:00AM	Unknown	OK		4221	100	422100	700
9/20/2022 12:00:00AM	Unknown	OK		4214	100	421400	800
8/17/2022 12:00:00AM	Manual	OK		4206	100	420600	700
7/20/2022 12:00:00AM	Unknown	OK		4199	100	419900	900
6/16/2022 12:00:00AM	Unknown	OK		4190	100	419000	700
5/18/2022 12:00:00AM	Unknown	OK		4183	100	418300	700
4/19/2022 12:00:00AM	Unknown	OK		4176	100	417600	600
3/17/2022 12:00:00AM	Unknown	OK		4170	100	417000	800
2/17/2022 12:00:00AM	Unknown	OK		4162	100	416200	700
2/1/2022 12:00:00AM	Unknown	OK		4155	100	415500	700
1/1/2022 12:00:00AM	Unknown	OK		4148	100	414800	700
12/1/2021 12:00:00AM	Unknown	OK		4141	100	414100	900
11/1/2021 12:00:00AM	Unknown	OK		4132	100	413200	700
10/1/2021 12:00:00AM	Unknown	OK		4125	100	412500	300
9/1/2021 12:00:00AM	Unknown	OK		4122	100	412200	0

Billed Meter Reading History

Customer: 730435 : GATES, TIMOTHY

Location: 73-0435 : 614 BROOMSAGE RD

Service: Water (No start date - No end date)

Meter: 1265104 : 01265104

Max Read Date: 12/31/2022

<u>Read Date</u>	<u>Read Method</u>	<u>Status</u>	<u>Message</u>	<u>Read</u>	<u>Factor</u>	<u>Extended Read</u>	<u>Consumption</u>
11/17/2022 12:00:00AM	Unknown	OK		1237	100	123700	3400
10/19/2022 12:00:00AM	Unknown	OK		1203	100	120300	3300
9/20/2022 12:00:00AM	Unknown	OK		1170	100	117000	3400
8/17/2022 12:56:17PM	Manual	OK		1136	100	113600	2500
7/20/2022 12:00:00AM	Unknown	OK		1111	100	111100	3200
6/16/2022 12:00:00AM	Unknown	OK		1079	100	107900	2900
5/18/2022 12:00:00AM	Unknown	OK		1050	100	105000	3100
4/19/2022 12:00:00AM	Unknown	OK		1019	100	101900	3100
3/17/2022 12:00:00AM	Unknown	OK		988	100	98800	2600
2/17/2022 12:00:00AM	Unknown	OK		962	100	96200	3200
2/1/2022 12:00:00AM	Unknown	OK		930	100	93000	3700
1/1/2022 12:00:00AM	Unknown	OK		893	100	89300	2800
12/1/2021 12:00:00AM	Unknown	OK		865	100	86500	3000
11/1/2021 12:00:00AM	Unknown	OK		835	100	83500	3700
10/1/2021 12:00:00AM	Unknown	OK		798	100	79800	3300
9/1/2021 12:00:00AM	Unknown	OK		765	100	76500	3000
8/1/2021 12:00:00AM	Unknown	OK		735	100	73500	3100
7/1/2021 12:00:00AM	Unknown	OK		704	100	70400	0

Billed Meter Reading History

Location: 71-0527 : 809 BAILEY SCALES RD

Service: Water (No start date - No end date)

Meter: 53967515 : 53967515

Max Read Date: 11/30/2022

<u>Read Date</u>	<u>Read Method</u>	<u>Status</u>	<u>Message</u>	<u>Read</u>	<u>Factor</u>	<u>Extended Read</u>	<u>Consumption</u>
10/18/2022 12:00:00AM	Unknown	OK		7342	100	734200	2800
9/19/2022 12:00:00AM	Unknown	OK		7314	100	731400	3800
8/16/2022 11:37:20AM	Manual	OK		7276	100	727600	2500
7/19/2022 12:00:00AM	Unknown	OK		7251	100	725100	3900
6/16/2022 12:00:00AM	Unknown	OK		7212	100	721200	3900
5/17/2022 12:00:00AM	Unknown	OK		7173	100	717300	3200
4/18/2022 12:00:00AM	Unknown	OK		7141	100	714100	3800
3/16/2022 12:00:00AM	Unknown	OK		7103	100	710300	2900
2/16/2022 12:00:00AM	Unknown	OK		7074	100	707400	5800
2/1/2022 12:00:00AM	Unknown	OK		7016	100	701600	7600
1/1/2022 12:00:00AM	Unknown	OK		6940	100	694000	8500
12/1/2021 12:00:00AM	Unknown	OK		6855	100	685500	8100
11/1/2021 12:00:00AM	Unknown	OK		6774	100	677400	8700
10/1/2021 12:00:00AM	Unknown	OK		6687	100	668700	4300
9/1/2021 12:00:00AM	Unknown	OK		6644	100	664400	3100
8/1/2021 12:00:00AM	Unknown	OK		6613	100	661300	3800
7/1/2021 12:00:00AM	Unknown	OK		6575	100	657500	3100
6/1/2021 12:00:00AM	Unknown	OK		6544	100	654400	0

Billed Meter Reading History

Location: 71-0585 : 881 BAILEY SCALES RD

Service: Water (No start date - No end date)

Meter: 1329739 : 01329739

Max Read Date: 11/30/2022

<u>Read Date</u>	<u>Read Method</u>	<u>Status</u>	<u>Message</u>	<u>Read</u>	<u>Factor</u>	<u>Extended Read</u>	<u>Consumption</u>
10/18/2022 12:00:00AM	Unknown	OK		737	100	73700	1800
9/19/2022 12:00:00AM	Unknown	OK		719	100	71900	1900
8/16/2022 11:38:07AM	Manual	OK		700	100	70000	1900
7/19/2022 12:00:00AM	Unknown	OK		681	100	68100	2700
6/16/2022 12:00:00AM	Unknown	OK		654	100	65400	1600
5/17/2022 12:00:00AM	Unknown	OK		638	100	63800	1900
4/18/2022 12:00:00AM	Unknown	OK		619	100	61900	2100
3/16/2022 12:00:00AM	Unknown	OK		598	100	59800	2000
2/16/2022 12:00:00AM	Unknown	OK		578	100	57800	2000
2/1/2022 12:00:00AM	Unknown	OK		558	100	55800	2300
1/1/2022 12:00:00AM	Unknown	OK		535	100	53500	2300
12/1/2021 12:00:00AM	Unknown	OK		512	100	51200	1600
11/1/2021 12:00:00AM	Unknown	OK		496	100	49600	1600
10/1/2021 12:00:00AM	Unknown	OK		480	100	48000	1500
9/1/2021 12:00:00AM	Unknown	OK		465	100	46500	1700
8/1/2021 12:00:00AM	Unknown	OK		448	100	44800	2300
7/1/2021 12:00:00AM	Unknown	OK		425	100	42500	2000
6/1/2021 12:00:00AM	Unknown	OK		405	100	40500	0

Billed Meter Reading History

Customer: 714276 : OWENS, CASEY

Location: 71-4276 : 985 PEERLESS RD

Service: Water (No start date - No end date)

Meter: 5259244 : 05259244

Max Read Date: 12/31/2022

<u>Read Date</u>	<u>Read Method</u>	<u>Status</u>	<u>Message</u>	<u>Read</u>	<u>Factor</u>	<u>Extended Read</u>	<u>Consumption</u>
11/16/2022 12:00:00AM	Unknown	OK		575	100	57500	2200
10/18/2022 12:00:00AM	Unknown	OK		553	100	55300	2800
9/19/2022 12:00:00AM	Unknown	OK		525	100	52500	3100
8/16/2022 2:52:04PM	Manual	OK		494	100	49400	2400
7/19/2022 12:00:00AM	Unknown	OK		470	100	47000	4400
6/16/2022 12:00:00AM	Unknown	OK		426	100	42600	1800
5/17/2022 12:00:00AM	Unknown	OK		408	100	40800	2600
4/18/2022 12:00:00AM	Unknown	OK		382	100	38200	3000
3/16/2022 12:00:00AM	Unknown	OK		352	100	35200	2100
2/16/2022 12:00:00AM	Unknown	OK		331	100	33100	2200
2/1/2022 12:00:00AM	Unknown	OK		309	100	30900	2900
1/1/2022 12:00:00AM	Unknown	OK		280	100	28000	3600
12/1/2021 12:00:00AM	Unknown	OK		244	100	24400	1100
11/1/2021 12:00:00AM	Unknown	OK		233	100	23300	2500
10/1/2021 12:00:00AM	Unknown	OK		208	100	20800	2800
9/1/2021 12:00:00AM	Unknown	OK		180	100	18000	2900
8/1/2021 12:00:00AM	Unknown	OK		151	100	15100	2800
7/1/2021 12:00:00AM	Unknown	OK		123	100	12300	0

Billed Meter Reading History

Customer: 712682 : PARKER, CHARITY

Location: 71-2682 : 1215 RED BUD LN

Service: Water (No start date - No end date)

Meter: 53100171 : 53100171

Max Read Date: 12/31/2022

<u>Read Date</u>	<u>Read Method</u>	<u>Status</u>	<u>Message</u>	<u>Read</u>	<u>Factor</u>	<u>Extended Read</u>	<u>Consumption</u>
11/16/2022 12:00:00AM	Unknown	OK		6693	100	669300	4700
10/18/2022 12:00:00AM	Unknown	OK		6646	100	664600	3800
9/19/2022 12:00:00AM	Unknown	OK		6608	100	660800	8400
8/16/2022 1:59:01PM	Manual	OK		6524	100	652400	3300
7/19/2022 12:00:00AM	Unknown	OK		6491	100	649100	6400
6/16/2022 12:00:00AM	Unknown	OK		6427	100	642700	6600
5/17/2022 12:00:00AM	Unknown	OK		6361	100	636100	6100
4/18/2022 12:00:00AM	Unknown	OK		6300	100	630000	4500
3/16/2022 12:00:00AM	Unknown	OK		6255	100	625500	4500
2/16/2022 12:00:00AM	Unknown	OK		6210	100	621000	4300
2/1/2022 12:00:00AM	Unknown	OK		6167	100	616700	8600
1/1/2022 12:00:00AM	Unknown	OK		6081	100	608100	4300
12/1/2021 12:00:00AM	Unknown	OK		6038	100	603800	3500
11/1/2021 12:00:00AM	Unknown	OK		6003	100	600300	3600
10/1/2021 12:00:00AM	Unknown	OK		5967	100	596700	6600
9/1/2021 12:00:00AM	Unknown	OK		5901	100	590100	1700
8/1/2021 12:00:00AM	Unknown	OK		5884	100	588400	2200
7/1/2021 12:00:00AM	Unknown	OK		5862	100	586200	0

Billed Meter Reading History

Customer: 713850 : BROMLEY, JAMES L.

Location: 71-3850 : 1250 DIVE RD

Service: Water (No start date - No end date)

Meter: 1376009 : 01376009

Max Read Date: 12/31/2022

<u>Read Date</u>	<u>Read Method</u>	<u>Status</u>	<u>Message</u>	<u>Read</u>	<u>Factor</u>	<u>Extended Read</u>	<u>Consumption</u>
11/16/2022 12:00:00AM	Unknown	OK		234	100	23400	600
10/18/2022 12:00:00AM	Unknown	OK		228	100	22800	500
9/19/2022 12:00:00AM	Unknown	OK		223	100	22300	800
8/16/2022 2:40:49PM	Manual	OK		215	100	21500	600
7/19/2022 12:00:00AM	Unknown	OK		209	100	20900	700
6/16/2022 12:00:00AM	Unknown	OK		202	100	20200	500
5/17/2022 12:00:00AM	Unknown	OK		197	100	19700	600
4/18/2022 12:00:00AM	Unknown	OK		191	100	19100	600
3/16/2022 12:00:00AM	Unknown	OK		185	100	18500	700
2/16/2022 12:00:00AM	Unknown	OK		178	100	17800	500
2/1/2022 12:00:00AM	Unknown	OK		173	100	17300	700
1/1/2022 12:00:00AM	Unknown	OK		166	100	16600	1000
12/1/2021 12:00:00AM	Unknown	OK		156	100	15600	1000
11/1/2021 12:00:00AM	Unknown	OK		146	100	14600	700
10/1/2021 12:00:00AM	Unknown	OK		139	100	13900	800
9/1/2021 12:00:00AM	Unknown	OK		131	100	13100	700
8/1/2021 12:00:00AM	Unknown	OK		124	100	12400	600
7/1/2021 12:00:00AM	Unknown	OK		118	100	11800	0

Billed Meter Reading History

Customer: 733801 : MCBRIDE, TODD

Location: 72-4900 : 1277 MT PLEASANT RD

Service: Water (9/19/2022 - No end date)

Meter: 52381321 : 52381321

Max Read Date: 12/31/2022

<u>Read Date</u>	<u>Read Method</u>	<u>Status</u>	<u>Message</u>	<u>Read</u>	<u>Factor</u>	<u>Extended Read</u>	<u>Consumption</u>
11/17/2022 12:00:00AM	Unknown	OK		2969	100	296900	1300
10/19/2022 12:00:00AM	Unknown	OK		2956	100	295600	900
9/22/2022 11:03:01AM	Manual	OK		2947	100	294700	0

Billed Meter Reading History

Customer: 712225 : HOFMEISTER, SHIRLEY

Location: 71-2225 : 1537 BRECKENRIDGE RD

Service: Water (No start date - No end date)

Meter: 52381326 : 52381326

Max Read Date: 12/31/2022

<u>Read Date</u>	<u>Read Method</u>	<u>Status</u>	<u>Message</u>	<u>Read</u>	<u>Factor</u>	<u>Extended Read</u>	<u>Consumption</u>
11/16/2022 12:00:00AM	Unknown	OK		4955	100	495500	0
10/18/2022 12:00:00AM	Unknown	OK		4955	100	495500	0
9/19/2022 12:00:00AM	Unknown	OK		4955	100	495500	0
8/16/2022 12:59:59PM	Manual	OK		4955	100	495500	0
7/19/2022 12:00:00AM	Unknown	OK		4955	100	495500	300
6/16/2022 12:00:00AM	Unknown	OK		4952	100	495200	3300
5/17/2022 12:00:00AM	Unknown	OK		4919	100	491900	1800
4/18/2022 12:00:00AM	Unknown	OK		4901	100	490100	1800
3/16/2022 12:00:00AM	Unknown	OK		4883	100	488300	1600
2/16/2022 12:00:00AM	Unknown	OK		4867	100	486700	2100
2/1/2022 12:00:00AM	Unknown	OK		4846	100	484600	1700
1/1/2022 12:00:00AM	Unknown	OK		4829	100	482900	1300
12/1/2021 12:00:00AM	Unknown	OK		4816	100	481600	2200
11/1/2021 12:00:00AM	Unknown	OK		4794	100	479400	1600
10/1/2021 12:00:00AM	Unknown	OK		4778	100	477800	2300
9/1/2021 12:00:00AM	Unknown	OK		4755	100	475500	1500
8/1/2021 12:00:00AM	Unknown	OK		4740	100	474000	2100
7/1/2021 12:00:00AM	Unknown	OK		4719	100	471900	0

Susan Inman

From: Tyler Henning <Tyler.Henning@ghd.com>
Sent: Tuesday, November 22, 2022 10:57 AM
To: Susan Inman
Subject: RE: Bedford Water Questions

Thanks Susan!

We will request this information from IDEM.

I have more specific addresses if that is easier – I've included a list below. Note that some of the addresses may be outside your search radius, I've also requested information from the North Lawrence Water Authority.

115 Bailey Scales Road, Bedford, Indiana 47421	NOT ours
Bailey Scales Road, Bedford, Indiana 47421	
314 April Lane, Bedford, Indiana 47421	
704 Barlow Lane, Bedford, Indiana 47421	
620 Barlow Lane, Bedford, Indiana 47421	
206 Bailey Scales Road, Bedford, Indiana 47421	NO water use since 2014
216 Bailey Scales Road, Bedford, Indiana 47421	NOT ours
809 Bailey Scales Road, Bedford, Indiana 47421	
445 N. Jackson Street, Bedford, Indiana 47421	
403 N. Jackson Street, Bedford, Indiana 47421	
421 N. Lawrence Street, Bedford, Indiana 47421	
1215 Redbud Lane, Bedford, Indiana 47421	
715 Barlow Lane, Bedford, Indiana 47421	
619 Barlow Lane, Bedford, Indiana 47421	
514 Barlow Lane, Bedford, Indiana 47421	
305 Bailey Scales Road, Bedford, Indiana 47421	
327 Bailey Scales Road, Bedford, Indiana 47421	
202 N Street, Bedford, Indiana 47421	124-16410-12v
406 J Street, Bedford, Indiana 47421	103-16010-05v
411 L Street, Bedford, Indiana 47421	124-06430-02v
1326 3rd Street, Bedford, Indiana 47421	124-17870-03v
1537 Breckenridge Road, Bedford, Indiana 47421	
228 Madison Street, Bedford, Indiana 47421	vacant lot since 2014
550 N. Jackson Street, Bedford, Indiana 47421	
330 Robins Way, Bedford, Indiana 47421	133-25760-02v
485 Mt. Pleasant Road, Bedford, Indiana 47421	134-15840-10v
614 Broomsage Road, Bedford, Indiana 47421	
1277 Mt. Pleasant Road, Bedford, Indiana 47421	
413 Broomsage Road, Bedford, Indiana 47421	
452 Broomsage Road, Bedford, Indiana 47421	
472 Broomsage Road, Bedford, Indiana 47421	
1250 Dive Road, Bedford, Indiana 47421	
216 Rawlins Mill Road, Bedford, Indiana 47421	
412 Peerless Road, Bedford, Indiana 47421	
504 6th Street, Bedford, Indiana 47421	133-60050-01

U/B HISTORY REPORT

ACCOUNT	NAME		WATER SPRNKR2	SEWER SLS TAX	TRASH SW DUMP	OFF/ON TAMPER	SPRNKR1 TOTER	STORM WAT MISC	TRANSACTION TOTAL	ACCOUNT BALANCE

124-16410-12	CHILDS, AMBER D	202	N ST							
12/16/2021	BIL		13.40	23.95	12.98	0.00	0.00	5.00		
			0.00	0.94	0.00	0.00	0.00	0.00	56.27	56.27
	USAGE:	14	A							
12/17/2021	PAY		13.40	23.95	12.98	0.00	0.00	5.00		
MELIND	L	5001	0.00	0.94	0.00	0.00	0.00	0.00	56.27	0.00
01/19/2022	BIL		13.40	24.73	12.98	0.00	0.00	5.00		
			0.00	0.94	0.00	0.00	0.00	0.00	57.05	57.05
	USAGE:	15	A							
01/20/2022	PAY		13.40	24.73	12.98	0.00	0.00	5.00		
MELIND	L	5005	0.00	0.94	0.00	0.00	0.00	0.00	57.05	0.00
02/17/2022	BIL		16.39	32.46	12.98	0.00	0.00	5.00		
			0.00	1.15	0.00	0.00	0.00	0.00	67.98	67.98
	USAGE:	25	A							
02/18/2022	PAY		16.39	32.46	12.98	0.00	0.00	5.00		
MELIND	L	5002	0.00	1.15	0.00	0.00	0.00	0.00	67.98	0.00
03/17/2022	BIL		13.40	23.18	12.98	0.00	0.00	5.00		
			0.00	0.94	0.00	0.00	0.00	0.00	55.50	55.50
	USAGE:	13	A							
04/05/2022	PAY		13.40	23.18	12.98	0.00	0.00	5.00		
MELIND	L	5003	0.00	0.94	0.00	0.00	0.00	0.00	55.50	0.00
04/19/2022	BIL		13.40	28.59	12.98	0.00	0.00	5.00		
			0.00	0.94	0.00	0.00	0.00	0.00	60.91	60.91
	USAGE:	20	A							
05/02/2022	PAY		13.40	28.59	12.98	0.00	0.00	5.00		
MELIND	L	5101	0.00	0.94	0.00	0.00	0.00	0.00	60.91	0.00
05/19/2022	BIL		13.40	27.05	12.98	0.00	0.00	5.00		
			0.00	0.94	0.00	0.00	0.00	0.00	59.37	59.37
	USAGE:	18	A							
06/01/2022	PAY		13.40	27.05	12.98	0.00	0.00	5.00		
MELIND	L	5003	0.00	0.94	0.00	0.00	0.00	0.00	59.37	0.00
06/16/2022	BIL		16.98	33.23	12.98	0.00	0.00	5.00		
			0.00	1.19	0.00	0.00	0.00	0.00	69.38	69.38
	USAGE:	26	A							
07/06/2022	PEN		0.72	3.32	1.30	0.00	0.00	0.50		
MELIND			0.00	0.00	0.00	0.00	0.00	0.00	5.84	75.22
07/19/2022	BIL		18.77	35.55	12.98	0.00	0.00	5.00		
			0.00	1.31	0.00	0.00	0.00	0.00	73.61	148.83
	USAGE:	29	A							
08/02/2022	PAY		36.47	72.10	27.26	0.00	0.00	10.50		
MELIND	L	5003	0.00	2.50	0.00	0.00	0.00	0.00	148.83	0.00
08/18/2022	BIL		17.58	34.00	12.98	0.00	0.00	5.00		
			0.00	1.23	0.00	0.00	0.00	0.00	70.79	70.79
	USAGE:	27	A							
09/01/2022	PAY		17.58	34.00	12.98	0.00	0.00	5.00		
MELIND	L	5004	0.00	1.23	0.00	0.00	0.00	0.00	70.79	0.00

U/B HISTORY REPORT

ACCOUNT	NAME	WATER SPRINKR2	SEWER SLS TAX	TRASH SW DUMP	OFF/ON TAMPER	SPRINKR1 TOTER	STORM WAT MISC	TRANSACTION TOTAL	ACCOUNT BALANCE

124-16410-12	CHILDS, AMBER D	202	N ST						
09/19/2022	BIL	18.77	35.55	12.98	0.00	0.00	5.00		
		0.00	1.31	0.00	0.00	0.00	0.00	73.61	73.61
	USAGE:	29	A						
09/20/2022	PAY	18.77	35.55	12.98	0.00	0.00	5.00		
	LEANN L 5003	0.00	1.31	0.00	0.00	0.00	0.00	73.61	0.00
10/19/2022	BIL	19.97	37.10	12.98	0.00	0.00	5.00		
		0.00	1.40	0.00	0.00	0.00	0.00	76.45	76.45
	USAGE:	31	A						
11/04/2022	PAY	19.97	37.10	12.98	0.00	0.00	5.00		
	MELIND L 5001	0.00	1.40	0.00	0.00	0.00	0.00	76.45	0.00
11/17/2022	BIL	27.73	47.14	12.98	0.00	0.00	5.00		
		0.00	1.94	0.00	0.00	0.00	0.00	94.79	94.79
	USAGE:	44	A						

Account Range= 124-16410-12 To 124-16410-12 Dates= 11/22/2021 To 11/22/2022

* End of Report: Bedford City Utilities *

U/B HISTORY REPORT

ACCOUNT	NAME	WATER SPRNKR2	SEWER SLS TAX	TRASH SW DUMP	OFF/ON TAMPER	SPRNKR1 TOTER	STORM WAT MISC	TRANSACTION TOTAL	ACCOUNT BALANCE

103-16010-05 CAP GROUP		406	J ST		A				
04/19/2022	BIL	13.40	13.14	30.72	20.00	0.00	5.92		
		0.00	0.94	0.00	0.00	0.00	0.00	84.12	84.12
	USAGE:	0	A						
05/05/2022	PAY	13.40	13.14	30.72	20.00	0.00	5.92		
MELIND L 5005		0.00	0.94	0.00	0.00	0.00	0.00	84.12	0.00
05/19/2022	BIL	13.40	13.91	12.98	0.00	0.00	2.50		
		0.00	0.94	0.00	0.00	0.00	0.00	43.73	43.73
	USAGE:	1	A						
06/05/2022	PAY	13.40	13.91	12.98	0.00	0.00	2.50		
MELIND L 5201		0.00	0.94	0.00	0.00	0.00	0.00	43.73	0.00
06/16/2022	BIL	13.40	17.77	12.98	0.00	0.00	2.50		
		0.00	0.94	0.00	0.00	0.00	0.00	47.59	47.59
	USAGE:	6	A						
07/05/2022	PAY	13.40	17.77	12.98	0.00	0.00	2.50		
MELIND L 5003		0.00	0.94	0.00	0.00	0.00	0.00	47.59	0.00
07/19/2022	BIL	13.40	26.27	12.98	0.00	0.00	2.50		
		0.00	0.94	0.00	0.00	0.00	0.00	56.09	56.09
	USAGE:	17	A						
08/05/2022	PAY	13.40	26.27	12.98	0.00	0.00	2.50		
MELIND L 5001		0.00	0.94	0.00	0.00	0.00	0.00	56.09	0.00
08/18/2022	FIN	18.18	34.78	14.28-	0.00	0.00	2.75-		
MELIND		0.00	1.27	0.00	0.00	0.00	0.00	37.20	37.20
	USAGE:	28	A						
08/18/2022	ADJ	15.76-	0.00	14.28	0.00	0.00	2.75		
MELIND FA		0.00	1.27-	0.00	0.00	0.00	0.00	.00	37.20
09/05/2022	PAY	2.42	34.78	0.00	0.00	0.00	0.00		
MELIND L 5302		0.00	0.00	0.00	0.00	0.00	0.00	37.20	0.00

Account Range= 103-16010-05 To 103-16010-05 Dates= 11/22/2021 To 11/22/2022

* End of Report: Bedford City Utilities *

water is off now

U/B HISTORY REPORT

ACCOUNT	NAME			WATER SPRNKR2	SEWER SLS TAX	TRASH SW DUMP	OFF/ON TAMPER	SPRNKR1 TOTER	STORM WAT MISC	TRANSACTION TOTAL	ACCOUNT BALANCE

124-06430-02	BRANAM, LORI A		411	L ST							
12/03/2021	PAY			13.40	28.59	12.98	0.00	0.00	5.00		
	MELIND	L	5001	0.00	0.94	0.00	0.00	0.00	0.00	60.91	0.00
12/16/2021	BIL			19.37	36.32	12.98	0.00	0.00	5.00		
				0.00	1.36	0.00	0.00	0.00	0.00	75.03	75.03
	USAGE:		30	A							
01/06/2022	PEN			0.79	3.63	1.30	0.00	0.00	0.50		
	MELIND			0.00	0.00	0.00	0.00	0.00	0.00	6.22	81.25
01/11/2022	PAY			20.16	39.95	14.28	0.00	0.00	5.50		
	MELIND	L	5003	0.00	1.36	0.00	0.00	0.00	0.00	81.25	0.00
01/19/2022	BIL			18.77	35.55	12.98	0.00	0.00	5.00		
				0.00	1.31	0.00	0.00	0.00	0.00	73.61	73.61
	USAGE:		29	A							
02/05/2022	PAY			18.77	35.55	12.98	0.00	0.00	5.00		
	MELIND	L	5101	0.00	1.31	0.00	0.00	0.00	0.00	73.61	0.00
02/17/2022	BIL			17.58	34.00	12.98	0.00	0.00	5.00		
				0.00	1.23	0.00	0.00	0.00	0.00	70.79	70.79
	USAGE:		27	A							
03/05/2022	PAY			17.58	34.00	12.98	0.00	0.00	5.00		
	MELIND	L	5010	0.00	1.23	0.00	0.00	0.00	0.00	70.79	0.00
03/17/2022	BIL			13.40	24.73	12.98	0.00	0.00	5.00		
				0.00	0.94	0.00	0.00	0.00	0.00	57.05	57.05
	USAGE:		15	A							
04/06/2022	PEN			0.61	2.47	1.30	0.00	0.00	0.50		
	MELIND			0.00	0.00	0.00	0.00	0.00	0.00	4.88	61.93
04/08/2022	PAY			14.01	27.20	14.28	0.00	0.00	5.50		
	MELIND	L	5001	0.00	0.94	0.00	0.00	0.00	0.00	61.93	0.00
04/19/2022	BIL			17.58	34.00	12.98	0.00	0.00	5.00		
				0.00	1.23	0.00	0.00	0.00	0.00	70.79	70.79
	USAGE:		27	A							
05/06/2022	PEN			0.74	3.40	1.30	0.00	0.00	0.50		
	MELIND			0.00	0.00	0.00	0.00	0.00	0.00	5.94	76.73
05/08/2022	PAY			18.32	37.40	14.28	0.00	0.00	5.50		
	MELIND	L	5250	0.00	1.23	0.00	0.00	0.00	0.00	76.73	0.00
05/19/2022	BIL			16.39	32.46	12.98	0.00	0.00	5.00		
				0.00	1.15	0.00	0.00	0.00	0.00	67.98	67.98
	USAGE:		25	A							
05/20/2022	PAY			16.39	32.46	12.98	0.00	0.00	5.00		
	MELIND	L	5001	0.00	1.15	0.00	0.00	0.00	0.00	67.98	0.00
06/16/2022	BIL			13.40	28.59	12.98	0.00	0.00	5.00		
				0.00	0.94	0.00	0.00	0.00	0.00	60.91	60.91
	USAGE:		20	A							
06/17/2022	PAY			13.40	28.59	12.98	0.00	0.00	5.00		
	LEANN	L	5101	0.00	0.94	0.00	0.00	0.00	0.00	60.91	0.00
07/19/2022	BIL			17.58	34.00	12.98	0.00	0.00	5.00		
				0.00	1.23	0.00	0.00	0.00	0.00	70.79	70.79
	USAGE:		27	A							

U/B HISTORY REPORT

ACCOUNT	NAME		WATER SPRNKR2	SEWER SLS TAX	TRASH SW DUMP	OFF/ON TAMPER	SPRNKR1 TOTER	STORM WAT MISC	TRANSACTION TOTAL	ACCOUNT BALANCE

124-06430-02	BRANAM, LORI A		411	L ST						
	08/01/2022	PAY	17.58	34.00	12.98	0.00	0.00	5.00		
	MELIND	L 5201	0.00	1.23	0.00	0.00	0.00	0.00	70.79	0.00
	08/18/2022	BIL	13.40	28.59	12.98	0.00	0.00	5.00		
			0.00	0.94	0.00	0.00	0.00	0.00	60.91	60.91
		USAGE:	20	A						
	09/06/2022	PEN	0.61	2.86	1.30	0.00	0.00	0.50		
	MELIND		0.00	0.00	0.00	0.00	0.00	0.00	5.27	66.18
	09/09/2022	PAY	13.40	28.59	12.98	0.00	0.00	5.00		
	MELIND	L 5001	0.00	0.94	0.00	0.00	0.00	0.00	60.91	5.27
	09/19/2022	BIL	16.39	32.46	12.98	0.00	0.00	5.00		
			0.00	1.15	0.00	0.00	0.00	0.00	67.98	73.25
		USAGE:	25	A						
	09/23/2022	PAY	17.00	35.32	14.28	0.00	0.00	5.50		
	MELIND	L 5001	0.00	1.15	0.00	0.00	0.00	0.00	73.25	0.00
	10/19/2022	BIL	13.40	28.59	12.98	0.00	0.00	5.00		
			0.00	0.94	0.00	0.00	0.00	0.00	60.91	60.91
		USAGE:	20	A						
	10/22/2022	PAY	13.40	28.59	12.98	0.00	0.00	5.00		
	MELIND	L 5101	0.00	0.94	0.00	0.00	0.00	0.00	60.91	0.00
	11/17/2022	BIL	13.40	23.95	12.98	0.00	0.00	5.00		
			0.00	0.94	0.00	0.00	0.00	0.00	56.27	56.27
		USAGE:	14	A						

Account Range= 124-06430-02 To 124-06430-02 Dates= 11/22/2021 To 11/22/2022

* End of Report: Bedford City Utilities *

U/B HISTORY REPORT

ACCOUNT	NAME	WATER SPRNKR2	SEWER SLS TAX	TRASH SW DUMP	OFF/ON TAMPER	SPRNKR1 TOTER	STORM WAT MISC	TRANSACTION TOTAL	ACCOUNT BALANCE

* End of Report: Bedford City Utilities *

U/B HISTORY REPORT

ACCOUNT	NAME		WATER SPRNKR2	SEWER SLS TAX	TRASH SW DUMP	OFF/ON TAMPER	SPRNKR1 TOTER	STORM WAT MISC	TRANSACTION TOTAL	ACCOUNT BALANCE

133-25760-02	SINNETT, CARISSA JO	330	ROBINS WAY							
11/25/2021	PAY		14.59	30.14	12.98	0.00	0.00	5.00		
MELIND	L	5101	0.00	1.02	0.00	0.00	0.00	0.00	63.73	0.00
12/16/2021	BIL		14.00	29.37	12.98	0.00	0.00	5.00		
			0.00	0.98	0.00	0.00	0.00	0.00	62.33	62.33
	USAGE:	21	A							
01/06/2022	PEN		0.63	2.94	1.30	0.00	0.00	0.50		
MELIND			0.00	0.00	0.00	0.00	0.00	0.00	5.37	67.70
01/07/2022	PAY		14.63	32.31	14.28	0.00	0.00	5.50		
MELIND	L	5001	0.00	0.98	0.00	0.00	0.00	0.00	67.70	0.00
01/19/2022	BIL		32.31	53.33	12.98	0.00	0.00	5.00		
			0.00	2.26	0.00	0.00	0.00	0.00	105.88	105.88
	USAGE:	52	A							
01/21/2022	PAY		32.31	53.33	12.98	0.00	0.00	5.00		
MELIND	L	5001	0.00	2.26	0.00	0.00	0.00	0.00	105.88	0.00
02/17/2022	BIL		20.56	37.87	12.98	0.00	0.00	5.00		
			0.00	1.44	0.00	0.00	0.00	0.00	77.85	77.85
	USAGE:	32	A							
02/18/2022	PAY		20.56	37.87	12.98	0.00	0.00	5.00		
MELIND	L	5002	0.00	1.44	0.00	0.00	0.00	0.00	77.85	0.00
03/17/2022	BIL		13.40	23.95	12.98	0.00	0.00	5.00		
			0.00	0.94	0.00	0.00	0.00	0.00	56.27	56.27
	USAGE:	14	A							
03/18/2022	PAY		13.40	23.95	12.98	0.00	0.00	5.00		
MELIND	L	5001	0.00	0.94	0.00	0.00	0.00	0.00	56.27	0.00
04/19/2022	BIL		22.95	40.96	12.98	0.00	0.00	5.00		
			0.00	1.61	0.00	0.00	0.00	0.00	83.50	83.50
	USAGE:	36	A							
04/25/2022	PAY		22.95	40.96	12.98	0.00	0.00	5.00		
MELIND	L	5002	0.00	1.61	0.00	0.00	0.00	0.00	83.50	0.00
05/19/2022	BIL		17.58	34.00	12.98	0.00	0.00	5.00		
			0.00	1.23	0.00	0.00	0.00	0.00	70.79	70.79
	USAGE:	27	A							
05/21/2022	PAY		17.58	34.00	12.98	0.00	0.00	5.00		
MELIND	L	5101	0.00	1.23	0.00	0.00	0.00	0.00	70.79	0.00
06/16/2022	BIL		27.73	47.14	12.98	0.00	0.00	5.00		
			0.00	1.94	0.00	0.00	0.00	0.00	94.79	94.79
	USAGE:	44	A							
06/25/2022	PAY		27.73	47.14	12.98	0.00	0.00	5.00		
LEANN	L	5201	0.00	1.94	0.00	0.00	0.00	0.00	94.79	0.00
07/19/2022	BIL		32.82	54.10	12.98	0.00	0.00	5.00		
			0.00	2.30	0.00	0.00	0.00	0.00	107.20	107.20
	USAGE:	53	A							
07/20/2022	PAY		32.82	54.10	12.98	0.00	0.00	5.00		
MELIND	L	5004	0.00	2.30	0.00	0.00	0.00	0.00	107.20	0.00

U/B HISTORY REPORT

ACCOUNT	NAME	WATER SPRNKR2	SEWER SLS TAX	TRASH SW DUMP	OFF/ON TAMPER	SPRNKR1 TOTER	STORM WAT MISC	TRANSACTION TOTAL	ACCOUNT BALANCE

133-25760-02	SINNETT, CARISSA JO	330	ROBINS WAY						
08/18/2022	BIL	30.71	51.01	12.98	0.00	0.00	5.00	101.85	101.85
		0.00	2.15	0.00	0.00	0.00	0.00		
	USAGE:	49	A						
08/19/2022	PAY	30.71	51.01	12.98	0.00	0.00	5.00	101.85	0.00
	MELIND L 5001	0.00	2.15	0.00	0.00	0.00	0.00		
09/19/2022	BIL	22.36	40.19	12.98	0.00	0.00	5.00	82.10	82.10
		0.00	1.57	0.00	0.00	0.00	0.00		
	USAGE:	35	A						
10/01/2022	PAY	22.36	40.19	12.98	0.00	0.00	5.00	82.10	0.00
	MELIND L 5101	0.00	1.57	0.00	0.00	0.00	0.00		
10/19/2022	BIL	17.58	34.00	12.98	0.00	0.00	5.00	70.79	70.79
		0.00	1.23	0.00	0.00	0.00	0.00		
	USAGE:	27	A						
11/04/2022	PAY	17.58	34.00	12.98	0.00	0.00	5.00	70.79	0.00
	MELIND L 5001	0.00	1.23	0.00	0.00	0.00	0.00		
11/17/2022	BIL	18.18	34.78	12.98	0.00	0.00	5.00	72.21	72.21
		0.00	1.27	0.00	0.00	0.00	0.00		
	USAGE:	28	A						

Account Range= 133-25760-02 To 133-25760-02 Dates= 11/22/2021 To 11/22/2022

* End of Report: Bedford City Utilities *

U/B HISTORY REPORT

ACCOUNT	NAME	WATER SPRNKR2	SEWER SLS TAX	TRASH SW DUMP	OFF/ON TAMPER	SPRNKR1 TOTER	STORM WAT MISC	TRANSACTION TOTAL	ACCOUNT BALANCE

134-15840-10	SHUMAKER, SAMANTHA J	485	MT PLEASANT RD						
04/19/2022	BIL	0.00	0.00	0.00	20.00	0.00	0.00	20.00	20.00
		0.00	0.00	0.00	0.00	0.00	0.00		
	USAGE:	0							
05/19/2022	BIL	27.73	0.00	0.00	0.00	0.00	0.00	29.67	49.67
		0.00	1.94	0.00	0.00	0.00	0.00		
	USAGE:	44	A						
05/23/2022	PAY	27.73	0.00	0.00	20.00	0.00	0.00	49.67	0.00
	MELIND 4 1001	0.00	1.94	0.00	0.00	0.00	0.00		
06/16/2022	BIL	36.33	0.00	0.00	0.00	0.00	0.00	38.87	38.87
		0.00	2.54	0.00	0.00	0.00	0.00		
	USAGE:	60	A						
07/06/2022	PEN	1.30	0.00	0.00	0.00	0.00	0.00	1.30	40.17
	MELIND	0.00	0.00	0.00	0.00	0.00	0.00		
07/12/2022	PAY	37.63	0.00	0.00	0.00	0.00	0.00	40.17	0.00
	MELIND 4 1002	0.00	2.54	0.00	0.00	0.00	0.00		
07/19/2022	BIL	43.86	0.00	0.00	0.00	0.00	0.00	46.93	46.93
		0.00	3.07	0.00	0.00	0.00	0.00		
	USAGE:	75	A						
08/08/2022	PEN	1.53	0.00	0.00	0.00	0.00	0.00	1.53	48.46
	MELIND	0.00	0.00	0.00	0.00	0.00	0.00		
08/18/2022	BIL	33.32	0.00	0.00	0.00	0.00	0.00	35.65	84.11
		0.00	2.33	0.00	0.00	0.00	0.00		
	USAGE:	54	A						
09/06/2022	PEN	1.21	0.00	0.00	0.00	0.00	0.00	1.21	85.32
	MELIND	0.00	0.00	0.00	0.00	0.00	0.00		
09/12/2022	PAY	79.92	0.00	0.00	0.00	0.00	0.00	85.32	0.00
	MELIND L 5002	0.00	5.40	0.00	0.00	0.00	0.00		
09/19/2022	BIL	40.85	0.00	0.00	0.00	0.00	0.00	43.71	43.71
		0.00	2.86	0.00	0.00	0.00	0.00		
	USAGE:	69	A						
10/06/2022	PEN	1.44	0.00	0.00	0.00	0.00	0.00	1.44	45.15
	MELIND	0.00	0.00	0.00	0.00	0.00	0.00		
10/06/2022	PAY	40.85	0.00	0.00	0.00	0.00	0.00	43.71	1.44
	LEANN 4 3004	0.00	2.86	0.00	0.00	0.00	0.00		
10/19/2022	BIL	38.84	0.00	0.00	0.00	0.00	0.00	41.56	43.00
		0.00	2.72	0.00	0.00	0.00	0.00		
	USAGE:	65	A						
11/07/2022	PEN	1.38	0.00	0.00	0.00	0.00	0.00	1.38	44.38
	MELIND	0.00	0.00	0.00	0.00	0.00	0.00		
11/17/2022	BIL	36.83	0.00	0.00	0.00	0.00	0.00	39.41	83.79
		0.00	2.58	0.00	0.00	0.00	0.00		
	USAGE:	61	A						

U/B HISTORY REPORT

ACCOUNT	NAME	WATER SPRNKR2	SEWER SLS TAX	TRASH SW DUMP	OFF/ON TAMPER	SPRNKR1 TOTER	STORM WAT MISC	TRANSACTION TOTAL	ACCOUNT BALANCE

134-15840-10	SHUMAKER, SAMANTHA J	485							MT PLEASANT RD

Account Range= 134-15840-10 To 134-15840-10 Dates= 11/22/2021 To 11/22/2022

* End of Report: Bedford City Utilities *

U/B HISTORY REPORT

ACCOUNT	NAME		WATER SPRNR2	SEWER SLS TAX	TRASH SW DUMP	OFF/ON TAMPER	SPRNR1 TOTER	STORM WAT MISC	TRANSACTION TOTAL	ACCOUNT BALANCE

133-60050-01	WHITE, SHELBY E		504	6TH ST						
11/25/2021	PAY		15.79	31.68	12.98	0.00	0.00	5.00		
	MELIND L	5101	0.00	1.11	0.00	0.00	0.00	0.00	66.56	0.00
12/16/2021	BIL		20.56	37.87	12.98	0.00	0.00	5.00		
			0.00	1.44	0.00	0.00	0.00	0.00	77.85	77.85
	USAGE:		32	A						
01/01/2022	PAY		20.56	37.87	12.98	0.00	0.00	5.00		
	MELIND L	5101	0.00	1.44	0.00	0.00	0.00	0.00	77.85	0.00
01/19/2022	BIL		22.95	40.96	12.98	0.00	0.00	5.00		
			0.00	1.61	0.00	0.00	0.00	0.00	83.50	83.50
	USAGE:		36	A						
01/29/2022	PAY		22.95	40.96	12.98	0.00	0.00	5.00		
	MELIND L	5101	0.00	1.61	0.00	0.00	0.00	0.00	83.50	0.00
02/01/2022	PAY		83.50	0.00	0.00	0.00	0.00	0.00		
	MELIND L	5002	0.00	0.00	0.00	0.00	0.00	0.00	83.50	83.50-
02/17/2022	BIL		28.92	48.69	12.98	0.00	0.00	5.00		
			0.00	2.02	0.00	0.00	0.00	0.00	97.61	14.11
	USAGE:		46	A						
02/17/2022	ADJ		54.58	48.69-	0.00	0.00	0.00	3.87-		
	Y		0.00	2.02-	0.00	0.00	0.00	0.00	.00	14.11
02/25/2022	PAY		0.00	0.00	12.98	0.00	0.00	1.13		
	MELIND L	5001	0.00	0.00	0.00	0.00	0.00	0.00	14.11	0.00
03/17/2022	BIL		18.18	34.78	12.98	0.00	0.00	5.00		
			0.00	1.27	0.00	0.00	0.00	0.00	72.21	72.21
	USAGE:		28	A						
03/25/2022	PAY		18.18	34.78	12.98	0.00	0.00	5.00		
	MELIND L	5001	0.00	1.27	0.00	0.00	0.00	0.00	72.21	0.00
04/19/2022	BIL		24.74	43.28	12.98	0.00	0.00	5.00		
			0.00	1.73	0.00	0.00	0.00	0.00	87.73	87.73
	USAGE:		39	A						
04/28/2022	PAY		24.74	43.28	12.98	0.00	0.00	5.00		
	MELIND L	5005	0.00	1.73	0.00	0.00	0.00	0.00	87.73	0.00
05/19/2022	BIL		25.94	44.83	12.98	0.00	0.00	5.00		
			0.00	1.82	0.00	0.00	0.00	0.00	90.57	90.57
	USAGE:		41	A						
06/02/2022	PAY		25.94	44.83	12.98	0.00	0.00	5.00		
	MELIND L	5005	0.00	1.82	0.00	0.00	0.00	0.00	90.57	0.00
06/16/2022	BIL		25.94	44.83	12.98	0.00	0.00	5.00		
			0.00	1.82	0.00	0.00	0.00	0.00	90.57	90.57
	USAGE:		41	A						
07/01/2022	PAY		25.94	44.83	12.98	0.00	0.00	5.00		
	MELIND L	5002	0.00	1.82	0.00	0.00	0.00	0.00	90.57	0.00
07/19/2022	BIL		25.34	44.05	12.98	0.00	0.00	5.00		
			0.00	1.77	0.00	0.00	0.00	0.00	89.14	89.14
	USAGE:		40	A						

U/B HISTORY REPORT

ACCOUNT	NAME		WATER SPRNKR2	SEWER SLS TAX	TRASH SW DUMP	OFF/ON TAMPER	SPRNKR1 TOTER	STORM WAT MISC	TRANSACTION TOTAL	ACCOUNT BALANCE

133-60050-01	WHITE, SHELBY E		504	6TH ST						
08/01/2022	PAY		25.34	44.05	12.98	0.00	0.00	5.00		
	MELIND	L 5001	0.00	1.77	0.00	0.00	0.00	0.00	89.14	0.00
08/18/2022	BIL		22.95	40.96	12.98	0.00	0.00	5.00		
			0.00	1.61	0.00	0.00	0.00	0.00	83.50	83.50
	USAGE:		36	A						
08/26/2022	PAY		22.95	40.96	12.98	0.00	0.00	5.00		
	MELIND	L 5001	0.00	1.61	0.00	0.00	0.00	0.00	83.50	0.00
09/19/2022	BIL		25.34	44.05	12.98	0.00	0.00	5.00		
			0.00	1.77	0.00	0.00	0.00	0.00	89.14	89.14
	USAGE:		40	A						
09/26/2022	PAY		25.34	44.05	12.98	0.00	0.00	5.00		
	MELIND	L 5002	0.00	1.77	0.00	0.00	0.00	0.00	89.14	0.00
10/19/2022	BIL		23.55	41.73	12.98	0.00	0.00	5.00		
			0.00	1.65	0.00	0.00	0.00	0.00	84.91	84.91
	USAGE:		37	A						
11/01/2022	PAY		23.55	41.73	12.98	0.00	0.00	5.00		
	MELIND	L 5003	0.00	1.65	0.00	0.00	0.00	0.00	84.91	0.00
11/17/2022	BIL		22.36	40.19	12.98	0.00	0.00	5.00		
			0.00	1.57	0.00	0.00	0.00	0.00	82.10	82.10
	USAGE:		35	A						

Account Range= 133-60050-01 To 133-60050-01 Dates= 11/22/2021 To 11/22/2022

* End of Report: Bedford City Utilities *

U/B HISTORY REPORT

ACCOUNT	NAME	WATER SPRNKR2	SEWER SLS TAX	TRASH SW DUMP	OFF/ON TAMPER	SPRNKR1 TOTER	STORM WAT MISC	TRANSACTION TOTAL	ACCOUNT BALANCE

124-17870-03 BOWER, LAURA A		1326	3RD ST						
12/16/2021	BIL	13.40	27.05	12.98	0.00	0.00	5.00		
		0.00	0.94	0.00	0.00	0.00	0.00	59.37	125.55
	USAGE:	18	A						
01/01/2022	PAY	27.41	58.50	27.26	0.00	0.00	10.50		
MELIND L 5101		0.00	1.88	0.00	0.00	0.00	0.00	125.55	0.00
01/19/2022	BIL	13.40	27.82	12.98	0.00	0.00	5.00		
		0.00	0.94	0.00	0.00	0.00	0.00	60.14	60.14
	USAGE:	19	A						
02/07/2022	PEN	0.61	2.78	1.30	0.00	0.00	0.50		
MELIND		0.00	0.00	0.00	0.00	0.00	0.00	5.19	65.33
02/07/2022	PAY	14.01	30.60	14.28	0.00	0.00	5.50		
MELIND L 5002		0.00	0.94	0.00	0.00	0.00	0.00	65.33	0.00
02/17/2022	BIL	13.40	27.82	12.98	0.00	0.00	5.00		
		0.00	0.94	0.00	0.00	0.00	0.00	60.14	60.14
	USAGE:	19	A						
03/04/2022	PAY	13.40	27.82	12.98	0.00	0.00	5.00		
MELIND L 5001		0.00	0.94	0.00	0.00	0.00	0.00	60.14	0.00
03/17/2022	BIL	13.40	22.41	12.98	0.00	0.00	5.00		
		0.00	0.94	0.00	0.00	0.00	0.00	54.73	54.73
	USAGE:	12	A						
04/01/2022	PAY	13.40	22.41	12.98	0.00	0.00	5.00		
MELIND L 5001		0.00	0.94	0.00	0.00	0.00	0.00	54.73	0.00
04/19/2022	BIL	13.40	27.05	12.98	0.00	0.00	5.00		
		0.00	0.94	0.00	0.00	0.00	0.00	59.37	59.37
	USAGE:	18	A						
05/02/2022	PAY	13.40	27.05	12.98	0.00	0.00	5.00		
MELIND L 5003		0.00	0.94	0.00	0.00	0.00	0.00	59.37	0.00
05/19/2022	BIL	13.40	27.05	12.98	0.00	0.00	5.00		
		0.00	0.94	0.00	0.00	0.00	0.00	59.37	59.37
	USAGE:	18	A						
06/03/2022	PAY	13.40	27.05	12.98	0.00	0.00	5.00		
MELIND L 5001		0.00	0.94	0.00	0.00	0.00	0.00	59.37	0.00
06/16/2022	BIL	13.40	28.59	12.98	0.00	0.00	5.00		
		0.00	0.94	0.00	0.00	0.00	0.00	60.91	60.91
	USAGE:	20	A						
07/01/2022	PAY	13.40	28.59	12.98	0.00	0.00	5.00		
MELIND L 5002		0.00	0.94	0.00	0.00	0.00	0.00	60.91	0.00
07/19/2022	BIL	13.40	27.05	12.98	0.00	0.00	5.00		
		0.00	0.94	0.00	0.00	0.00	0.00	59.37	59.37
	USAGE:	18	A						
08/05/2022	PAY	13.40	27.05	12.98	0.00	0.00	5.00		
MELIND L 5001		0.00	0.94	0.00	0.00	0.00	0.00	59.37	0.00
08/18/2022	BIL	14.00	29.37	12.98	0.00	0.00	5.00		
		0.00	0.98	0.00	0.00	0.00	0.00	62.33	62.33
	USAGE:	21	A						

U/B HISTORY REPORT

ACCOUNT	NAME		WATER SPRINKR2	SEWER SLS TAX	TRASH SW DUMP	OFF/ON TAMPER	SPRINKR1 TOTER	STORM WAT MISC	TRANSACTION TOTAL	ACCOUNT BALANCE

124-17870-03	BOWER, LAURA A		1326	3RD ST						
09/02/2022	PAY		14.00	29.37	12.98	0.00	0.00	5.00		
	MELIND L	5002	0.00	0.98	0.00	0.00	0.00	0.00	62.33	0.00
09/19/2022	BIL		13.40	27.82	12.98	0.00	0.00	5.00		
			0.00	0.94	0.00	0.00	0.00	0.00	60.14	60.14
	USAGE:		19	A						
10/03/2022	PAY		13.40	27.82	12.98	0.00	0.00	5.00		
	MELIND L	5001	0.00	0.94	0.00	0.00	0.00	0.00	60.14	0.00
10/19/2022	BIL		13.40	26.27	12.98	0.00	0.00	5.00		
			0.00	0.94	0.00	0.00	0.00	0.00	58.59	58.59
	USAGE:		17	A						
11/01/2022	PAY		13.40	26.27	12.98	0.00	0.00	5.00		
	MELIND L	5003	0.00	0.94	0.00	0.00	0.00	0.00	58.59	0.00
11/17/2022	BIL		13.40	25.50	12.98	0.00	0.00	5.00		
			0.00	0.94	0.00	0.00	0.00	0.00	57.82	57.82
	USAGE:		16	A						
11/29/2022	PAY		13.40	25.50	12.98	0.00	0.00	5.00		
	MELIND L	5003	0.00	0.94	0.00	0.00	0.00	0.00	57.82	0.00

Account Range= 124-17870-03 To 124-17870-03 Dates= 12/14/2021 To 12/14/2022

* End of Report: Bedford City Utilities *

Appendix C

IDNR Water Well Regulations

ARTICLE 13. WATER WELL DRILLERS AND WATER WELL PUMP INSTALLERS

Rule 1. Definitions

312 IAC 13-1-1 General application of definitions

Authority: IC 25-39-4-9

Affected: IC 25-39-2

Sec. 1. The definitions in this rule are in addition to those contained in IC 25-39-2 and 312 IAC 1 and apply throughout this article. (*Natural Resources Commission; 312 IAC 13-1-1; filed Nov 22, 1999, 3:34 p.m.: 23 IR 763; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA*)

312 IAC 13-1-2 "Abandon" defined

Authority: IC 25-39-4-9

Affected: IC 25-39

Sec. 2. "Abandon" means to terminate operations of a well for water supply, monitoring, dewatering, or geothermal purposes and to restore the site of the well in a manner that will protect ground water resources from contamination. (*Natural Resources Commission; 312 IAC 13-1-2; filed Nov 22, 1999, 3:34 p.m.: 23 IR 763; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA*)

312 IAC 13-1-3 "Aquifer characteristics" defined

Authority: IC 25-39-4-9

Affected: IC 25-39

Sec. 3. "Aquifer characteristics" refers to the type, thickness, transmissivity coefficient of storage, and materials of a water bearing unit. (*Natural Resources Commission; 312 IAC 13-1-3; filed Nov 22, 1999, 3:34 p.m.: 23 IR 763; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA*)

312 IAC 13-1-3.2 "Available drawdown" defined

Authority: IC 25-39-4-9

Affected: IC 25-39

Sec. 3.2. "Available drawdown" means the distance between the static water level and the pump setting. (*Natural Resources Commission; 312 IAC 13-1-3.2; filed Dec 20, 2011, 1:55 p.m.: 20120118-IR-312110332FRA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA*)

312 IAC 13-1-3.7 "Bedrock aquifer" defined

Authority: IC 25-39-4-9

Affected: IC 25-39

Sec. 3.7. "Bedrock aquifer" means a consolidated water-bearing formation that has the ability to receive, store, and transmit water in an amount sufficient to satisfy a beneficial use. (*Natural Resources Commission; 312 IAC 13-1-3.7; filed Dec 20, 2011, 1:55 p.m.: 20120118-IR-312110332FRA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA*)

312 IAC 13-1-4 "Bentonite" defined

Authority: IC 25-39-4-9

Affected: IC 25-39

Sec. 4. "Bentonite" means clay material composed predominantly of sodium montmorillonite that meets American Petroleum Institute specifications Standard 13-A (1985). (*Natural Resources Commission; 312 IAC 13-1-4; filed Nov 22, 1999, 3:34 p.m.: 23 IR 763; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA*)

312 IAC 13-1-5 "Bentonite slurry" defined

Authority: IC 25-39-4-9

Affected: IC 25-39

Sec. 5. "Bentonite slurry" means a mixture, made according to manufacturer specifications, of water and commercial grouting or plugging bentonite that contains high concentrations of solids. The term does not include sodium bentonite products that contain low solid concentration or are designed for drilling fluid purposes. (*Natural Resources Commission; 312 IAC 13-1-5; filed Nov 22, 1999, 3:34 p.m.: 23 IR 763; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA*)

312 IAC 13-1-6 "Bridge" defined

Authority: IC 25-39-4-9

Affected: IC 25-39

Sec. 6. "Bridge" means a barrier created by any unwanted object or material that prevents the introduction of grouting materials in the borehole or well. (*Natural Resources Commission; 312 IAC 13-1-6; filed Nov 22, 1999, 3:34 p.m.: 23 IR 763; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA*)

312 IAC 13-1-6.3 "Business day" defined

Authority: IC 25-39-4-9

Affected: IC 25-39

Sec. 6.3. "Business day" has the meaning set forth in 610 IAC 6-1-2. (*Natural Resources Commission; 312 IAC 13-1-6.3; filed Dec 20, 2011, 1:55 p.m.: 20120118-IR-312110332FRA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA*)

312 IAC 13-1-7 "Coarse grade crushed bentonite" defined

Authority: IC 25-39-4-9

Affected: IC 25-39

Sec. 7. "Coarse grade crushed bentonite" means natural bentonite crushed to an average size range of three-eighths (d) to three-fourths (¾) inches. (*Natural Resources Commission; 312 IAC 13-1-7; filed Nov 22, 1999, 3:34 p.m.: 23 IR 763; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA*)

312 IAC 13-1-8 "Competency examination" defined

Authority: IC 25-39-4-9

Affected: IC 25-39

Sec. 8. "Competency examination" means an examination given by the department that is designed to establish the capability and skill of an individual to operate as a water well driller or water well pump installer. (*Natural Resources Commission; 312 IAC 13-1-8; filed Nov 22, 1999, 3:34 p.m.: 23 IR 763; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20,*

2011, 3:28 p.m.: 20110615-IR-312110002RFA; filed Dec 20, 2011, 1:55 p.m.: 20120118-IR-312110332FRA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA)

312 IAC 13-1-9 "Confined aquifer" defined

Authority: IC 25-39-4-9

Affected: IC 25-39

Sec. 9. "Confined aquifer" means an aquifer that contains sufficient hydrostatic head to cause ground water to rise above the upper boundary of the aquifer. (*Natural Resources Commission; 312 IAC 13-1-9; filed Nov 22, 1999, 3:34 p.m.: 23 IR 764; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA*)

312 IAC 13-1-10 "Contamination" defined

Authority: IC 25-39-4-9

Affected: IC 25-39

Sec. 10. "Contamination" means the degradation of natural water quality as a result of human activities. (*Natural Resources Commission; 312 IAC 13-1-10; filed Nov 22, 1999, 3:34 p.m.: 23 IR 764; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA*)

312 IAC 13-1-11 "Dewatering well" defined

Authority: IC 25-39-4-9

Affected: IC 25-39

Sec. 11. "Dewatering well" means a temporary water well that:

(1) is used as part of a construction project to remove water from a surface or subsurface area; and

(2) ceases to be used upon completion of the construction project or shortly after completion of the project.

(*Natural Resources Commission; 312 IAC 13-1-11; filed Nov 22, 1999, 3:34 p.m.: 23 IR 764; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA*)

312 IAC 13-1-11.5 "Direct supervision" defined

Authority: IC 25-39-4-9

Affected: IC 25-39

Sec. 11.5. "Direct supervision" means to be physically present, on the job site, or otherwise in close proximity so as to be able to respond promptly and effectively in person. (*Natural Resources Commission; 312 IAC 13-1-11.5; filed Dec 20, 2011, 1:55 p.m.: 20120118-IR-312110332FRA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA*)

312 IAC 13-1-12 "Disinfection" defined

Authority: IC 25-39-4-9

Affected: IC 25-39

Sec. 12. "Disinfection" means the process of destroying pathogenic micro-organisms, such as coliform bacteria. (*Natural Resources Commission; 312 IAC 13-1-12; filed Nov 22, 1999, 3:34 p.m.: 23 IR 764; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA*)

312 IAC 13-1-13 "Division" defined

Authority: IC 25-39-4-9

Affected: IC 25-39

Sec. 13. "Division" means the division of water of the department. *(Natural Resources Commission; 312 IAC 13-1-13; filed Nov 22, 1999, 3:34 p.m.: 23 IR 764; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA)*

312 IAC 13-1-14 "Drawdown" defined

Authority: IC 25-39-4-9

Affected: IC 25-39

Sec. 14. "Drawdown" means the amount of lowering of the water level in a well resulting from the discharge of water by pumping from the well. *(Natural Resources Commission; 312 IAC 13-1-14; filed Nov 22, 1999, 3:34 p.m.: 23 IR 764; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA)*

312 IAC 13-1-15 "Grout pipe" defined

Authority: IC 25-39-4-9

Affected: IC 25-39

Sec. 15. "Grout pipe" means a length of hose or pipe positioned in the annular space of a well, between the well casing and the borehole, used for the introduction of grouting materials. *(Natural Resources Commission; 312 IAC 13-1-15; filed Nov 22, 1999, 3:34 p.m.: 23 IR 764; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA)*

312 IAC 13-1-16 "High capacity water well" defined

Authority: IC 25-39-4-9

Affected: IC 25-39

Sec. 16. "High capacity water well" means a well that has the capability of withdrawing one hundred thousand (100,000) gallons of ground water or more in one (1) day. *(Natural Resources Commission; 312 IAC 13-1-16; filed Nov 22, 1999, 3:34 p.m.: 23 IR 764; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA)*

312 IAC 13-1-17 "Medium grade crushed bentonite" defined

Authority: IC 25-39-4-9

Affected: IC 25-39

Sec. 17. "Medium grade crushed bentonite" means natural bentonite crushed to an average size range of one-fourth (¼) to three-eighths (⅜) inch. *(Natural Resources Commission; 312 IAC 13-1-17; filed Nov 22, 1999, 3:34 p.m.: 23 IR 764; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA)*

312 IAC 13-1-18 "Monitoring well" defined

Authority: IC 25-39-4-9

Affected: IC 25-39

Sec. 18. "Monitoring well" means a well installed to obtain hydrogeological information or to monitor the quality or quantity

of ground water. (*Natural Resources Commission; 312 IAC 13-1-18; filed Nov 22, 1999, 3:34 p.m.: 23 IR 764; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA*)

312 IAC 13-1-19 "Operating well drilling equipment" defined

Authority: IC 25-39-4-9

Affected: IC 25-39

Sec. 19. "Operating well drilling equipment" means to use equipment to drill a well. (*Natural Resources Commission; 312 IAC 13-1-19; filed Nov 22, 1999, 3:34 p.m.: 23 IR 764; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA*)

312 IAC 13-1-19.3 "Personal use" defined

Authority: IC 25-39-4-9

Affected: IC 14-8-2-202; IC 25-39

Sec. 19.3. "Personal use" means the use of a water well or water well pumping equipment for water supply purposes if either:

- (1) located on property owned or in possession of a person as defined in IC 14-8-2-202; or
- (2) with respect to a public water supply utility, possessed by a permanent employee of the public water supply utility.

(*Natural Resources Commission; 312 IAC 13-1-19.3; filed Dec 20, 2011, 1:55 p.m.: 20120118-IR-312110332FRA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA*)

312 IAC 13-1-19.5 "Pitless adapter" defined

Authority: IC 25-39-4-9

Affected: IC 25-39

Sec. 19.5. "Pitless adapter" means an assembly of parts that:

- (1) allows water to pass through the wall of the well casing or extension of the well casing;
- (2) provides access to the well and the parts of the pumping system within the well;
- (3) provides for the transportation of water; and
- (4) protects the well from contamination at or near the surface.

(*Natural Resources Commission; 312 IAC 13-1-19.5; filed Dec 20, 2011, 1:55 p.m.: 20120118-IR-312110332FRA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA*)

312 IAC 13-1-19.7 "Pitless unit" defined

Authority: IC 25-39-4-9

Affected: IC 25-39

Sec. 19.7. "Pitless unit" means a factory assembled device consisting of the pitless adapter, a mechanism that attaches to the well casing, and a well casing riser in a single unit to prevent contaminants from entering the well. (*Natural Resources Commission; 312 IAC 13-1-19.7; filed Dec 20, 2011, 1:55 p.m.: 20120118-IR-312110332FRA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA*)

312 IAC 13-1-20 "Public water supply well" defined

Authority: IC 25-39-4-9

Affected: IC 25-39

Sec. 20. "Public water supply well" means a well that provides a source of water to a public water system as defined in 327 IAC 8-2-1 that serves either of the following:

(1) At least fifteen (15) service connections used by year-round residents or regularly serves at least twenty-five (25) year-round residents.

(2) At least fifteen (15) service connections used by nonresidents or regularly serves twenty-five (25) or more nonresident individuals daily for at least sixty (60) days per year.

(Natural Resources Commission; 312 IAC 13-1-20; filed Nov 22, 1999, 3:34 p.m.: 23 IR 764; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; filed Dec 20, 2011, 1:55 p.m.: 20120118-IR-312110332FRA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA)

312 IAC 13-1-20.4 "Pump installation" defined

Authority: IC 25-39-4-9

Affected: IC 25-39

Sec. 20.4. (a) Except as provided in subsection (b), "pump installation" means placement and preparation for operation of equipment and materials used in withdrawing or obtaining water from a well. The term includes construction to enter the well and to establish seals and safeguards to protect water from contamination.

(b) The term does not apply to activities in association with a monitoring well or a dewatering well. *(Natural Resources Commission; 312 IAC 13-1-20.4; filed Dec 20, 2011, 1:55 p.m.: 20120118-IR-312110332FRA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA)*

312 IAC 13-1-21 "Reference" defined

Authority: IC 25-39-4-9

Affected: IC 25-39

Sec. 21. "Reference" means a person who attests to the character and professional qualifications of an applicant for a license. *(Natural Resources Commission; 312 IAC 13-1-21; filed Nov 22, 1999, 3:34 p.m.: 23 IR 765; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA)*

312 IAC 13-1-22 "Regulatory flood" defined

Authority: IC 25-39-4-9

Affected: IC 25-39

Sec. 22. "Regulatory flood" has the meaning set forth in 310 IAC 6-1-3(32). *(Natural Resources Commission; 312 IAC 13-1-22; filed Nov 22, 1999, 3:34 p.m.: 23 IR 765; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA)*

312 IAC 13-1-23 "Thermoplastic pipe" defined

Authority: IC 25-39-4-9

Affected: IC 25-39

Sec. 23. "Thermoplastic pipe" means plastic well pipe made of acrylonitrile butadiene styrene, polyvinyl chloride, or rubber-modified polystyrene with standards listed in American Society of Testing Materials. *(Natural Resources Commission; 312 IAC 13-1-23; filed Nov 22, 1999, 3:34 p.m.: 23 IR 765; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA)*

312 IAC 13-1-24 "Unconsolidated aquifer" defined

Authority: IC 25-39-4-9

Affected: IC 25-39

Sec. 24. "Unconsolidated aquifer" means geologic material or deposits, other than bedrock, that can receive, store, and transmit water in amounts that will satisfy a beneficial use. Examples of these geologic materials and deposits include sand and gravel. *(Natural Resources Commission; 312 IAC 13-1-24; filed Nov 22, 1999, 3:34 p.m.: 23 IR 765; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; filed Dec 20, 2011, 1:55 p.m.: 20120118-IR-312110332FRA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA)*

312 IAC 13-1-24.8 "Well cap" defined

Authority: IC 25-39-4-9

Affected: IC 25-39

Sec. 24.8. "Well cap" means a welded, threaded, glued, or mechanically attached apparatus that:

(1) overlaps the top of the well casing or pitless unit with a downward flange; and

(2) encloses the atmospheric termination of a well casing or pitless unit.

(Natural Resources Commission; 312 IAC 13-1-24.8; filed Dec 20, 2011, 1:55 p.m.: 20120118-IR-312110332FRA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA)

312 IAC 13-1-25 "Well pit" defined

Authority: IC 25-39-4-9

Affected: IC 25-39

Sec. 25. "Well pit" means a subsurface excavation that contains a well. *(Natural Resources Commission; 312 IAC 13-1-25; filed Nov 22, 1999, 3:34 p.m.: 23 IR 765; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA)*

312 IAC 13-1-26 "Well seal" defined

Authority: IC 25-39-4-9

Affected: IC 25-39

Sec. 26. "Well seal" means a device used to establish a watertight closure at the atmospheric termination of the well casing or pitless unit to prevent contaminants and other materials from entering a well. *(Natural Resources Commission; 312 IAC 13-1-26; filed Dec 20, 2011, 1:55 p.m.: 20120118-IR-312110332FRA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA)*

312 IAC 13-1-27 "Well vent" defined

Authority: IC 25-39-4-9

Affected: IC 25-39

Sec. 27. "Well vent" means an opening at the upper terminal of a well to provide:

(1) equalization of air pressure in the well; or

(2) release of gases.

(Natural Resources Commission; 312 IAC 13-1-27; filed Dec 20, 2011, 1:55 p.m.: 20120118-IR-312110332FRA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA)

Rule 2. Drilling License and Well Records

312 IAC 13-2-1 Application form

Authority: IC 25-39-4-9

Affected: IC 25-39-3-3

Sec. 1. (a) An initial application for a license as a water well driller or water well pump installer must be completed on a departmental form and must include the following:

(1) The:

- (A) name;
- (B) current address;
- (C) telephone number; and
- (D) birth date;

of the applicant.

(2) The:

- (A) type of drilling or pump installation equipment the applicant uses; and
- (B) number of years the applicant has operated that type of equipment.

(3) The applicable employment experience of the applicant.

(4) The signature of the applicant attesting to or affirming the accuracy of the information on the application.

(5) The license fee established under section 2 of this rule.

(6) Statements by references under IC 25-39-3-3(a)(2).

(b) Subsequent applications must provide what is required in subsection (a)(1), (a)(4), and (a)(5). (*Natural Resources Commission; 312 IAC 13-2-1; filed Nov 22, 1999, 3:34 p.m.: 23 IR 765; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; filed Dec 20, 2011, 1:55 p.m.: 20120118-IR-312110332FRA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA*)

312 IAC 13-2-2 License fee; duplicate license

Authority: IC 25-1-8-2; IC 25-39-4-9

Affected: IC 25-39

Sec. 2. (a) The fee to accompany any application for a license as a water well driller or water well pump installer is one hundred dollars (\$100) for a calendar year.

(b) A person who is issued a license as a water well driller or water well pump installer may apply to the department for a duplicate license (which is effective during the same calendar year) if the original license:

- (1) is lost;
- (2) is stolen;
- (3) is destroyed; or
- (4) otherwise becomes unavailable to the driller.

(*Natural Resources Commission; 312 IAC 13-2-2; filed Nov 22, 1999, 3:34 p.m.: 23 IR 765; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; filed Dec 20, 2011, 1:55 p.m.: 20120118-IR-312110332FRA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA*)

312 IAC 13-2-3 License renewals and restorations

Authority: IC 25-39-4-9

Affected: IC 25-39

Sec. 3. (a) A license may be renewed for the following year, without examination, under section 1(b) of this rule.

(b) An applicant for license renewal must:

- (1) include a copy of forms verifying the hours of approved continuing education completed; and
- (2) attest to compliance with all continuing education requirements.

(c) If at least one (1) year has passed since a person's license expired, the person must again:

- (1) satisfy a competency examination;
- (2) complete an application under section 1(a) of this rule; and
- (3) submit a license fee;

before restoration of the license.

(d) A water well driller or water well pump installer must deliver a completed renewal application form to the division at least five (5) business days before the renewal is to become effective. (*Natural Resources Commission; 312 IAC 13-2-3; filed Nov 22, 1999, 3:34 p.m.: 23 IR 765; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; filed Dec 20, 2011, 1:55 p.m.: 20120118-IR-312110332FRA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA*)

312 IAC 13-2-3.3 Continuing education requirements

Authority: IC 25-39-4-9

Affected: IC 25-39

Sec. 3.3. (a) A licensed water well driller who has held a license for at least one (1) calendar year must complete at least six (6) hours of approved continuing education before December 31 of each even-numbered year and must retain the following information for each course completed:

- (1) The number of hours spent in the continuing education course.
- (2) The name of the person or organization presenting the continuing education course.
- (3) The date, location, and title of the continuing education course.
- (4) The number of hours of continuing education awarded for the course.

(b) A licensed water well pump installer who has held a license for at least one (1) calendar year must complete at least six (6) hours of approved continuing education before December 31 of each even-numbered year and must retain the following information for each course completed:

- (1) The number of hours spent in the continuing education course.
- (2) The name of the person or organization presenting the continuing education course.
- (3) The date, location, and title of the continuing education course.
- (4) The number of hours of continuing education awarded for the course.

(c) If a licensed water well driller or a licensed water well pump installer demonstrates good cause for a delay in completing continuing education requirements, the department may approve hours for continuing education that are taken after the periods prescribed by subsection (a) or (b).

(d) Hours earned under subsection [subsections] (a) through (c) cannot be applied to the following two (2) year cycle for continuing education.

(e) A licensed water well driller and a licensed water well pump installer must maintain verification of attendance in a continuing education course for at least three (3) years. (*Natural Resources Commission; 312 IAC 13-2-3.3; filed Dec 20, 2011, 1:55 p.m.: 20120118-IR-312110332FRA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA*)

312 IAC 13-2-3.5 Approval of continuing education courses

Authority: IC 25-39-4-9

Affected: IC 25-39

Sec. 3.5. (a) The department may approve a continuing education course for purposes of this rule that addresses one (1) of the following topics:

- (1) Water well construction, rehabilitation, and abandonment.
- (2) Installation and repair of water well pumping equipment.
- (3) Grouting of water wells.
- (4) Water well disinfection and water sample collection.
- (5) Pumping test procedures and ground water resource evaluations.
- (6) Evaluation and remediation of ground water contamination.
- (7) Another topic approved by the department under IC 25-39.

(b) A person applying for approval of a continuing education course must provide the following information to the department:

- (1) The name of the person or organization presenting the continuing education course.

- (2) The title of the course and subjects that will be presented.
- (3) The date, location, and time schedule of the course.
- (4) The number of hours of continuing education to be awarded for the course.
- (5) A course outline for each subject to be offered.
- (6) The fee to be charged for each course.
- (7) Any other information reasonably requested by the department.

(c) An application for approval of a continuing education course must be received by the department not less than thirty (30) days before the date scheduled for the course. The department shall approve, approve with conditions, or deny the application not more than ten (10) business days after receiving the application.

(d) Not more than forty-five (45) days after the continuing education course is concluded, the person conducting the course must submit the following to the department on a departmental form:

- (1) The name of the person or organization presenting the continuing education course.
- (2) The title of the course.
- (3) The date, location, and time schedule of the course.
- (4) The name of each individual attending the course.
- (5) The well driller license number or pump installer license number, or both, for each person attending the course.
- (6) The number of hours of continuing education each person received.

(e) The department shall maintain and make available to the public a list of future courses that are approved to meet the continuing education requirements of this rule. *(Natural Resources Commission; 312 IAC 13-2-3.5; filed Dec 20, 2011, 1:55 p.m.: 20120118-IR-312110332FRA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA)*

312 IAC 13-2-3.7 Waiver or modification of continuing education requirements

Authority: IC 25-39-4-9

Affected: IC 25-39

Sec. 3.7. A licensed water well driller or water well pump installer may apply in writing to the department for a waiver or modification of the continuing education requirements of this rule if the well driller or pump installer:

- (1) establishes that an emergency existed during the period for which the continuing education was required;
- (2) has had an incapacitating illness verified by the applicant and a licensed physician; or
- (3) was prevented from completing the continuing education requirement because of active military duty during the period for which the continuing education was required.

(Natural Resources Commission; 312 IAC 13-2-3.7; filed Dec 20, 2011, 1:55 p.m.: 20120118-IR-312110332FRA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA)

312 IAC 13-2-4 Competency examination

Authority: IC 25-39-4-9

Affected: IC 25-39

Sec. 4. (a) A competency examination will be given by the division at least two (2) times annually. The examination will be given on a day specified by the division during the second full week of June and during the second full week of November.

- (b) The fee to take the competency examination is twenty-five dollars (\$25).
- (c) The competency examination is in writing, but, upon request by an applicant, an oral examination will be given.

(d) An applicant must submit a valid identification card, with a photograph of the applicant, before taking the examination.

(Natural Resources Commission; 312 IAC 13-2-4; filed Nov 22, 1999, 3:34 p.m.: 23 IR 765; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA)

312 IAC 13-2-5 Statement by a reference

Authority: IC 25-39-4-9

Affected: IC 25-39

Sec. 5. A statement by a reference shall include the following information:

- (1) The state of residence of the reference.
- (2) The full name, address, telephone number, and occupation of the reference.
- (3) The length of time the reference has known the applicant.
- (4) How the reference is familiar with the applicant's work.
- (5) A general statement regarding their evaluation of the applicant's professional competency.
- (6) The signature of the reference attesting to or affirming the accuracy of the information on the reference form.

(Natural Resources Commission; 312 IAC 13-2-5; filed Nov 22, 1999, 3:34 p.m.: 23 IR 766; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA)

312 IAC 13-2-6 Well records

Authority: IC 25-39-4-9

Affected: IC 25-39

Sec. 6. Within thirty (30) days after completion of a well, a water well driller must submit, on a departmental form or division-approved form, accurate records for each well drilled to include the following information:

- (1) The method of well construction.
- (2) The proposed use of the well, for example:
 - (A) residential;
 - (B) industrial;
 - (C) monitoring; or
 - (D) dewatering.
- (3) Pumping information, including each of the following:
 - (A) The type of pump and the depth of the pump setting (if applicable).
 - (B) Whether the well was bailer, air, or pump tested.
 - (C) The test rate and length of time of test pumping.
- (4) Specifications for the well casing and the well screen.
- (5) The inside diameter of the well.
- (6) The total depth of the well.
- (7) The static water level in the well.
- (8) The name, address, and telephone number of the owner (and the builder, if different from the owner).
- (9) The name and address of the drilling company.
- (10) The name and license number of the equipment operator.
- (11) The type and thickness of formations or materials encountered, including the following:
 - (A) Color.
 - (B) Hardness.
 - (C) A geological description.
- (12) A statement of the accuracy of the information contained on the form that is signed by the water well driller or an authorized representative upon an affirmation or attestation.
- (13) The type, depth, and thickness of grouting materials and method of installation.
- (14) Specific roadway directions to the well, including a reference to the nearest major highway or street intersection.

(Natural Resources Commission; 312 IAC 13-2-6; filed Nov 22, 1999, 3:34 p.m.: 23 IR 766; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; filed Dec 20, 2011, 1:55 p.m.: 20120118-IR-312110332FRA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA)

Rule 3. Well Drilling Procedures and Well Locations

312 IAC 13-3-1 Operations at drilling site

Authority: IC 25-39-4-2; IC 25-39-4-9

Affected: IC 25-39

Sec. 1. A water well driller or water well pump installer must operate all equipment according to generally accepted standards in the industry. The driller or pump installer is responsible for initiating, maintaining, and supervising operations and must take appropriate precautions to prevent damage, injury, or other loss to persons and property at the drilling site. (*Natural Resources Commission; 312 IAC 13-3-1; filed Nov 22, 1999, 3:34 p.m.: 23 IR 766; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; filed Dec 20, 2011, 1:55 p.m.: 20120118-IR-312110332RFA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA*)

312 IAC 13-3-2 Well locations

Authority: IC 25-39-4-2; IC 25-39-4-9

Affected: IC 25-39

Sec. 2. (a) A well shall be located as follows:

(1) To use every natural protection to promote the maintenance of the well and its surroundings, and to protect the quantity and quality of ground water encountered during the construction of the well.

(2) As far as practicable from any:

(A) high capacity well; and

(B) known contamination source.

(3) To protect the well against surface water ponding, drainage, or flooding. Earthen materials shall be placed around the pitless unit or finished well casing in a manner to drain surface water away from the well. The finished well casing or pitless unit shall extend at least one (1) foot above the ground level and, if located in a designated flood hazard area, must:

(A) be at least two (2) feet above the elevation of the regulatory flood; or

(B) be equipped with a watertight pitless unit cap or well seal and vented to an elevation at least two (2) feet above the elevation of the regulatory flood.

(b) This section does not apply to a monitoring well or a dewatering well. (*Natural Resources Commission; 312 IAC 13-3-2; filed Nov 22, 1999, 3:34 p.m.: 23 IR 766; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA*)

312 IAC 13-3-3 Standards for wells drilled adjacent to buildings

Authority: IC 25-39-4-2; IC 25-39-4-9

Affected: IC 25-39

Sec. 3. (a) This section establishes standards for the placement of a well that is near a building.

(b) The center line of a well located outside and adjacent to a building shall, if extended vertically, clear any projection from the building by not less than five (5) feet.

(c) A well shall be reasonably accessible to equipment for proper cleaning, repair, testing, inspection, and other maintenance. (*Natural Resources Commission; 312 IAC 13-3-3; filed Nov 22, 1999, 3:34 p.m.: 23 IR 767; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA*)

Rule 4. Well Equipment and Installation Specifications

312 IAC 13-4-1 Casing

Authority: IC 25-39-4-2; IC 25-39-4-9

Affected: IC 25-39

Sec. 1. (a) This section establishes minimum casing requirements.

(b) A new well shall be equipped with casing having an inside diameter of at least two (2) inches. The inside diameter of the well casing shall allow for easy installation and future removal of the permanent pumping equipment.

(c) A well must be cased to a depth of at least twenty-five (25) feet below the ground surface unless otherwise approved by the division.

(d) Casing shall be constructed of a steel or thermoplastic material or a casing specified in subsection (f). Ferrous casing shall be new, first class material that meets the American Society of Testing Materials (ASTM) standards ASTM A-120 (1984) or ASTM A-53 (1987) or American Petroleum Institute (API) standards API-5A or API-5L (1987). Thermoplastic pipe shall comply with ASTM F-480 (1981).

(e) Casing used under this section must be new. Casing that is salvaged within thirty (30) days of the installation of a well is considered new if the casing is still in new condition.

(f) Steel, thermoplastic or NSF certified fiberglass pipe, or concrete tile shall be used in bucket wells. This casing shall be new material.

(g) No finished well casing shall be cut below the ground surface except to install a pitless well adapter or as specified in 312 IAC 13-6-2(b)(1) or 312 IAC 13-6-2(c)(2). A pitless adapter must meet the requirements of section 3 of this rule.

(h) Upon installation, a well casing shall be fitted with a temporary cap that remains in place until pumping equipment or a pitless adapter is installed. The cap shall be a type that prevents vermin or other potential contaminants from entering the well.

(i) This section does not apply to a monitoring well or a dewatering well. (*Natural Resources Commission; 312 IAC 13-4-1; filed Nov 22, 1999, 3:34 p.m.: 23 IR 767; filed Oct 9, 2001, 4:32 p.m.: 25 IR 708; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA*)

312 IAC 13-4-2 Well screens

Authority: IC 25-39-4-2; IC 25-39-4-9

Affected: IC 25-39

Sec. 2. (a) A well drilled in an unconsolidated formation shall be equipped with a well screen having adequate openings to provide for maximum water transmittance with respect to the size of the water bearing formation or gravel pack.

(b) Approved screen materials are stainless steel, brass, bronze, fiberglass, and polyvinyl chloride or acrylonitrile butadiene styrene plastic.

(c) This section does not apply to a monitoring well or a dewatering well. (*Natural Resources Commission; 312 IAC 13-4-2; filed Nov 22, 1999, 3:34 p.m.: 23 IR 767; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA*)

312 IAC 13-4-3 Pitless units and pitless adapters

Authority: IC 25-39-4-2; IC 25-39-4-9

Affected: IC 25-39

Sec. 3. (a) A pitless unit shall:

(1) extend the upper end of the well casing at least one (1) foot above the ground level; and

(2) be affixed to the well casing in a manner that is watertight by:

(A) threading;

(B) welding (including gluing); or

(C) a mechanical connection.

(b) The cap, cover, or seal of the pitless unit shall:

- (1) be self-draining and overlap the top of the casing extension with a downward flange;
- (2) fit securely on the well casing; and
- (3) be tamper resistant.
- (c) A pitless unit shall be installed under 312 IAC 13-3-2(a)(3).
- (d) A pitless adapter shall be constructed and installed to:
 - (1) prevent the entrance of contaminants through openings in the well casing to which the adapter is attached; and
 - (2) provide consistency with the Water Systems Council Listing of Products for PAS-97(04).

(Natural Resources Commission; 312 IAC 13-4-3; filed Nov 22, 1999, 3:34 p.m.: 23 IR 767; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; filed Dec 20, 2011, 1:55 p.m.: 20120118-IR-312110332FRA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA)

312 IAC 13-4-3.5 Water well pump installation

Authority: IC 25-39-4-2; IC 25-39-4-9
Affected: IC 25-39

Sec. 3.5. (a) Unless otherwise approved by the department, a water well that is completed:

- (1) in an unconsolidated aquifer shall be equipped with a pumping apparatus that provides at least twenty (20) feet of available drawdown; and
- (2) in a bedrock aquifer shall be equipped with a pumping apparatus that provides at least fifty (50) feet of available drawdown.

(b) This section does not apply to a monitoring well or a dewatering well. *(Natural Resources Commission; 312 IAC 13-4-3.5; filed Dec 20, 2011, 1:55 p.m.: 20120118-IR-312110332FRA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA)*

312 IAC 13-4-4 Well pits

Authority: IC 25-39-4-2; IC 25-39-4-9
Affected: IC 25-39

Sec. 4. (a) The design of a well pit that contains a well must be approved by the division before construction.

(b) This section does not apply to a monitoring well. *(Natural Resources Commission; 312 IAC 13-4-4; filed Nov 22, 1999, 3:34 p.m.: 23 IR 767; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA)*

312 IAC 13-4-5 Construction water

Authority: IC 25-39-4-2; IC 25-39-4-9
Affected: IC 25-39

Sec. 5. Water used in the drilling process shall be obtained from a source that will not result in contamination of the well or water bearing zones penetrated by the well. *(Natural Resources Commission; 312 IAC 13-4-5; filed Nov 22, 1999, 3:34 p.m.: 23 IR 768; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA)*

Rule 5. Grouting of Wells

312 IAC 13-5-1 Materials and installation

Authority: IC 25-39-4-2; IC 25-39-4-9
Affected: IC 25-39

Sec. 1. (a) This section governs grouting materials and the installation of grouting materials for new wells.

(b) Grouting materials shall consist of:

- (1) neat cement with no more than five percent (5%) by weight of bentonite additive;
- (2) bentonite slurry (which can include polymers designed to retard swelling);
- (3) pelletized, granular, medium grade, or coarse grade crushed bentonite; or
- (4) other materials approved by the commission.

(c) This section applies if neat cement or a bentonite slurry is used for grouting. The cement or slurry shall be pumped into place from the bottom of the annular space upward in a continuous operation with a grout pipe or the well casing using the positive displacement method.

(d) Grouting material, other than neat cement or bentonite slurry, shall be introduced in a manner to prevent bridging of the annulus between the outside of the well casing and the borehole.

(e) A borehole annulus shall be grouted upon the earlier of the following:

- (1) Within twenty-four (24) hours after the installation of the well casing.
- (2) Before drilling equipment is removed from the site.

(f) This section does not apply to a public water supply well. The installation of a public water supply well is governed by 327 IAC 8-3.4. (*Natural Resources Commission; 312 IAC 13-5-1; filed Nov 22, 1999, 3:34 p.m.: 23 IR 768; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA*)

Rule 6. Minimum Well Construction Standards

312 IAC 13-6-1 Rotary or augered wells

Authority: IC 25-39-4-2; IC 25-39-4-9

Affected: IC 25-39

Sec. 1. (a) This section governs the construction of wells by rotary or auger drilling methods.

(b) A well shall be drilled and equipped with a casing having a minimum of two (2) inches inside diameter installed in an open hole having a diameter of at least two (2) inches greater than the outside diameter of the casing.

(c) A well shall be cased to a minimum depth of twenty-five (25) feet below the ground surface unless otherwise approved by the division.

(d) A well shall have a minimum of twenty-five (25) feet of the borehole annulus pressure grouted with neat cement or a bentonite slurry unless otherwise approved by the division.

(e) A well penetrating bedrock shall have the borehole annulus pressure grouted with neat cement or a bentonite slurry from the bottom of the well casing, or the top of the formation packer to the ground surface (or to four (4) feet below the ground surface if a pitless adapter is installed).

(f) A well constructed in an unconsolidated aquifer shall have the borehole annulus pressure grouted with neat cement or a bentonite slurry from the top of the natural or introduced gravel pack to the ground surface (or to four (4) feet below the ground surface if a pitless adapter is installed). The gravel pack shall not extend more than ten (10) feet above the top of the well screen unless otherwise approved by the division.

(g) This section does not apply to any of the following:

- (1) A monitoring well.
- (2) A dewatering well.
- (3) A public water supply well.

The installation of a public water supply well is governed by 327 IAC 8-3.4. (*Natural Resources Commission; 312 IAC 13-6-1; filed Nov 22, 1999, 3:34 p.m.: 23 IR 768; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA*)

312 IAC 13-6-2 Bucket wells

Authority: IC 25-39-4-2; IC 25-39-4-9

Affected: IC 25-39

Sec. 2. (a) This section governs the construction of wells by bucket rig drilling methods.

(b) A bucket well installed as buried slab construction shall conform with the following:

(1) The well casing shall terminate not less than ten (10) feet below the ground surface. The casing shall meet the requirements contained in 312 IAC 13-4-1 and must be firmly embedded in or connected to a pipe, a minimum of two (2) inches inside diameter, cast in a reinforced buried concrete slab, or attached to a NSF certified fiberglass cap with a watertight mechanical or glued connection. Fiberglass well casing may be slotted below the ground surface to allow for the transmittance of water into the well.

(2) The annular opening between the well casing and the well bore shall be filled with washed graded gravel from the bottom of the well to the concrete slab or the fiberglass. The annular space between the pipe and borehole shall be sealed with concrete or granular, pelletized, or coarse grade crushed bentonite at least six (6) inches thick. The remainder of the borehole shall be filled with clean earth and thoroughly tamped to minimize settling.

(c) A bucket well installed not using buried slab construction shall conform with the following:

(1) A well shall have a borehole with an inside diameter at least two (2) inches larger than the outside diameter of the lining or well casing.

(2) The well shall have a continuous watertight lining of steel or fiberglass casing or concrete extending at least five (5) feet below the ground surface. The casing shall meet the requirements contained in 312 IAC 13-4-1. Fiberglass well casing may be slotted below the ground surface to allow for the transmittance of water into the well.

(3) The annulus between the inside diameter of the borehole and the outside diameter of the well casing shall be filled with washed graded gravel from the bottom of the well to a depth at least five (5) feet below the ground surface. The remaining annulus shall be sealed with neat cement, bentonite slurry, or granular, pelletized, medium grade, or coarse grade crushed bentonite from ground level to at least five (5) feet below ground level.

(4) A reinforced cover slab at least four (4) inches thick with a diameter larger than the casing or a NSF certified fiberglass cap shall be provided. Vents or pump piping that exits through the slab shall have the pipe sleeves cast in place. Vents or pump piping that exits through the fiberglass cap or casing shall be attached with a watertight mechanical or glued connection. The top of the slab or fiberglass cap shall be sloped to drain to all sides. A watertight joint shall be made where the slab rests on the well lining using a watertight sealing compound. If a manhole is installed, the manhole shall have a metal curb cast in the concrete slab and extending four (4) inches above the slab. The manhole shall have a watertight cover with the sides to overhang the curb at least two (2) inches. A vent shall be installed in a concrete slab and shall consist of a metal pipe extending above the slab with the open end turned down and at least six (6) inches above the slab. The open end shall be covered with sixteen (16) mesh or finer screen made of durable material. A vent shall be installed in a fiberglass cap or casing and shall consist of a metal or plastic pipe extending at least six (6) inches above the cap or away from the casing with the open end turned down.

(5) A hole drilled in the concrete casing for a below ground discharge line shall be sealed on the inside and outside of the well casing with concrete or a mastic compound. Fiberglass casing equipped with a below ground discharge line shall have the discharge line attached with a watertight mechanical or glued connection.

(6) In a bucket well where casing is used with an inside diameter of less than twelve (12) inches that extends the entire depth of the borehole, the graded gravel filling the annular space between the inside of the borehole and outside of the casing shall terminate not less than ten (10) feet below ground surface. The borehole annulus shall be filled with granular, pelletized, or coarse grade crushed bentonite a minimum of six (6) inches thick and the remainder of the borehole shall be filled with clean earth and thoroughly tamped to minimize settling.

(d) This section does not apply to any of the following:

(1) A monitoring well.

(2) A dewatering well.

(3) A public water supply well.

The installation of a public water supply well is governed by 327 IAC 8-3.4. (*Natural Resources Commission; 312 IAC 13-6-2; filed Nov 22, 1999, 3:34 p.m.: 23 IR 768; filed Oct 9, 2001, 4:32 p.m.: 25 IR 709; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA*)

312 IAC 13-6-3 Cable tool or jetted wells

Authority: IC 25-39-4-2; IC 25-39-4-9

Affected: IC 25-39

Sec. 3. (a) This section governs the construction of wells by cable tool or jetting methods.

(b) A well installed by cable tool or jetting shall be equipped with casing having a minimum of two (2) inches inside diameter and be cased a minimum of twenty-five (25) feet below ground surface.

(c) If well casing is driven or jetted, a borehole with an inside diameter at least two (2) inches greater than the outside diameter of the casing to be driven shall be dug at least three (3) feet, but not more than five (5) feet, below ground surface. The casing shall be centered in the larger diameter borehole. A bentonite slurry, granular bentonite, or medium grade crushed bentonite shall fill the annulus during the installation of the well casing. Notwithstanding 312 IAC 13-5-1(c), bentonite slurry may be introduced into the borehole annulus by gravity methods during the installation of the well casing.

(d) Unless otherwise approved by the division, a well must be grouted under section 1 of this rule if either of the following conditions exist:

(1) A larger diameter temporary casing is used to install a smaller diameter permanent well casing.

(2) A later diameter borehole is drilled to install a smaller diameter well casing.

(e) This section does not apply to a monitoring well, a dewatering well, or a public water supply well. The installation of a public water supply well is governed by 327 IAC 8-3.4. (*Natural Resources Commission; 312 IAC 13-6-3; filed Nov 22, 1999, 3:34 p.m.: 23 IR 769; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA*)

Rule 7. Well Yield

312 IAC 13-7-1 Well yield

Authority: IC 25-39-4-9

Affected: IC 25-39

Sec. 1. (a) Every well (which is to be equipped with a pump) shall be tested for yield. The well shall be test pumped at a capacity at least equal to the pumping rate desired from the well during normal usage.

(b) A well shall be developed and tested at capacity for a minimum of one (1) hour. The yield and drawdown shall be recorded.

(c) Pumping equipment shall be installed at a depth to allow for drawdown caused by:

(1) the pumping equipment itself; and

(2) seasonal water level fluctuations.

(d) This section does not apply to a monitoring well or a dewatering well. (*Natural Resources Commission; 312 IAC 13-7-1; filed Nov 22, 1999, 3:34 p.m.: 23 IR 769; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA*)

Rule 8. Other Wells and Structures

312 IAC 13-8-1 Geothermal heat pump wells

Authority: IC 14-10-2-4; IC 25-39-4-2; IC 25-39-4-9

Affected: IC 25-39

Sec. 1. (a) This section establishes standards for drilling ground water heat pump systems that are in addition to the general requirements for drilling a well under 312 IAC 12.

(b) If a return well is used with an open loop system, its design must provide water transmitting capacity that is at least one and one-half (1 1/2) times the required water supply of the heat pump unit.

(c) With respect to a vertical closed loop system, boreholes must be pressure grouted from the bottom of the borehole to the

ground surface with a neat cement or high solids bentonite grout that, to enhance thermal conductivity, may contain any of the following:

- (1) Sand.
- (2) Graphite.
- (3) Another material approved by the division.

(Natural Resources Commission; 312 IAC 13-8-1; filed Nov 22, 1999, 3:34 p.m.: 23 IR 770; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; filed Jul 14, 2006, 1:23 p.m.: 20060809-IR-312050341FRA; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; filed Jan 23, 2015, 10:22 a.m.: 20150218-IR-312140204FRA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA)

312 IAC 13-8-2 Radial collector wells

Authority: IC 25-39-4-2; IC 25-39-4-9

Affected: IC 25-39

Sec. 2. Plans and specifications for a radial collector well must be approved by the division before drilling begins. Factors to be considered by the division include the following:

- (1) The depth of the well.
- (2) Well casing materials.
- (3) Well sealing procedures.
- (4) Types of aquifer materials.
- (5) The location of the proposed well.

(Natural Resources Commission; 312 IAC 13-8-2; filed Nov 22, 1999, 3:34 p.m.: 23 IR 770; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA)

312 IAC 13-8-3 Monitoring wells

Authority: IC 14-10-2-4; IC 25-39-4-2; IC 25-39-4-9

Affected: IC 25-39

Sec. 3. (a) This section establishes standards for monitoring wells that are in addition to the general requirements for drilling a well under this article.

(b) A monitoring well shall be equipped with casing. The composition, wall thickness, and nominal diameter of the casing shall be sufficient to allow the well to be used for its intended purpose.

(c) Monitoring well casing shall be new first class material that meets the American Society of Testing Materials (ASTM) standards ASTM A-120 (1984) or ASTM A-53 (1987) or the American Petroleum Institute (API) standards API-5A or API-5L (1987). Thermoplastic pipe shall comply with ASTM F-480 (1981). Well casing shall be as follows:

- (1) Clean and free of rust, grease, oil, or contaminants and composed of materials that will have minimal impact on the quality of a water sample.
- (2) Centered in the borehole and free of obstructions so monitoring devices can be lowered into the well.

(d) A monitoring well screen shall be composed of materials that will not corrode or react with chemicals found in the ground water at the site. The well screen slots shall not be hand cut and shall be sized to retain at least ninety percent (90%) of the grain size of the introduced filter pack or natural formation materials if an introduced filter pack is not used. The introduced filter pack shall:

- (1) be properly sized and graded; and
- (2) not extend more than two (2) feet above the top of the screen or the uppermost water bearing unit to be monitored in the well annulus unless otherwise approved by the division.

(e) A filter pack seal of bentonite slurry or granular, pelletized, medium grade, or coarse grade crushed bentonite may be placed in the annulus directly above the filter pack or sand grout barrier. The filter pack seal shall:

- (1) be installed to prevent bridging; and

(2) not extend more than two (2) feet above the filter pack or sand grout barrier.

(f) Except as provided in subsection (h), the finished well casing:

(1) shall extend at least two (2) feet above the ground level; and

(2) if located in a flood plain, must be:

(A) at least two (2) feet above the elevation of the regulatory flood; or

(B) equipped with a watertight cap.

The monitoring well shall be located to protect against surface water ponding, and earthen materials, neat cement, or concrete shall be placed around the well casing to drain surface water from the well.

(g) A monitoring well, located where the casing is susceptible to damage, shall be equipped with a protective outer pipe consisting of a metal casing having a diameter large enough to allow easy access to the well. The protective cover pipe shall be firmly anchored in the ground. Additional protective devices, for example, brightly colored posts around the well, are required where construction equipment or vehicular traffic could damage the well.

(h) A monitoring well must be equipped with a locking cap or cover to prevent unauthorized access. The locking cap may be placed:

(1) directly on the well casing; or

(2) if required under subsection (g), on the protective cover pipe.

(i) A monitoring well installed so that the top of the well casing is finished at an elevation below the ground surface shall be equipped with a watertight cap. The top of the well casing shall terminate at a depth no greater than one (1) foot below the ground surface and shall be located in a flush mounted protective cover pipe. The flush mounted protective cover pipe shall include each of the following:

(1) A watertight one (1) piece or continuous welded metal casing:

(A) at least one (1) foot long; and

(B) having a nominal diameter at least four (4) inches greater than the nominal diameter of the monitoring well.

The casing shall be flanged for greater stability if installed in a location likely to be subject to vehicular traffic.

(2) A concrete ground surface seal, if an impervious surface, for example, concrete or asphalt, is not present. The ground surface seal shall be installed and extend not more than three (3) feet below the ground surface.

(3) A sealed lid that is not more than one-half ($\frac{1}{2}$) inch higher than the elevation of the ground surface. The sealed lid shall be as follows:

(A) Of a quality to withstand vehicular traffic if installed in a location likely to be subject to vehicular traffic.

(B) Clearly marked with the words "MONITORING WELL" or "MONITOR" and also display the words "DO NOT FILL".

(j) A monitoring well installed by the rotary or auger drilling method shall have a borehole with a diameter at least two (2) inches greater than the nominal diameter of the casing. Except as provided in subsection (e), the well shall be grouted as follows:

(1) Granular bentonite may be used to grout a monitoring well if the:

(A) diameter of the borehole is four (4) inches or larger than the nominal diameter of the well casing; and

(B) well is not more than twenty-five (25) feet deep.

(2) Except as provided in subdivision (3), the annulus of the monitoring well shall be pressure grouted with neat cement or a bentonite slurry or be grouted with pelletized, medium grade, or coarse grade crushed bentonite from the top of the filter pack or filter pack seal under subsection (e) (for a well installed in unconsolidated materials) or the bottom of the well casing (for a well penetrating bedrock) to the ground surface or to within one (1) foot of the ground surface if a flush mounted protective cover pipe is installed if the:

(A) diameter of the borehole is four (4) inches or larger than the nominal diameter of the well casing; and

(B) well is not more than one hundred (100) feet deep.

(3) The annulus of the monitoring well shall be pressure grouted with neat cement or a bentonite slurry from the top of the filter pack or filter pack seal under subsection (e) (for a well installed in unconsolidated materials) or the bottom of the well casing (for a well penetrating bedrock) to the ground surface or to within one (1) foot of the ground surface if a flush mounted protected cover pipe is installed where either the:

(A) diameter of the borehole is less than four (4) inches larger in diameter than the nominal diameter of the well casing; or

(B) well is more than one hundred (100) feet deep.

(k) A monitoring well installed by the cable tool method shall be grouted as follows:

(1) The well casing shall be centered in a borehole:

(A) with a diameter of at least two (2) inches greater than the nominal diameter of the casing to be driven;

(B) dug at least three (3) feet, but not more than five (5) feet, below the ground surface; and

(C) filled with granular bentonite or a bentonite slurry during the installation of the casing.

Notwithstanding 312 IAC 13-5-1(c), bentonite slurry may be introduced into the borehole annulus by gravity methods during the installation of the well casing.

(2) Grouting shall be performed as provided under subsection (i) if a larger diameter:

(A) temporary casing is used to install a smaller diameter permanent well casing; or

(B) borehole is drilled to install a smaller diameter well casing.

(l) A monitoring well installed by the direct push method must be constructed as follows:

(1) The well shall be equipped with a prepacked well screen.

(2) A sand grout barrier shall:

(A) be placed directly above the prepacked well screen in the annulus between the well casing (riser pipe) and the borehole wall as the probe rods are retracted;

(B) be installed to prevent bridging; and

(C) extend not more than two (2) feet above the top of the prepacked well screen.

(3) A filter pack seal may be installed under subsection (e) directly above the sand grout barrier.

(4) The remaining annulus between the well casing (riser pipe) and probe rods shall be pressure grouted with neat cement or a bentonite slurry from the top of the sand grout barrier or filter pack seal to:

(A) if a flush-mounted protective pipe is installed, within one (1) foot of the ground surface; or

(B) the ground surface.

(5) The probe rods shall be pulled during installation of the grout material.

(m) A monitoring well shall be developed following installation and before water samples are collected. This development shall be accomplished to produce water that is as free as practicable from the following:

(1) Sediment.

(2) Drill cuttings.

(3) Drilling fluids.

If a well is installed to monitor ground water quality, the well shall be adequately developed to present a representative sample of the water quality.

(n) Contaminated drill cuttings, fluids, and surge and wash waters produced in the drilling and development of a monitoring well shall be collected and contained to:

(1) prevent contamination of the area; and

(2) protect persons who might otherwise come in contact with these materials.

(o) Monitoring well construction and development equipment that comes in contact with contaminated water or contaminated geologic materials shall be cleaned with high-pressure hot water or steam, using inorganic soap or other suitable solvents, and rinsed thoroughly. Contaminated fluids or wash waters shall be collected and contained so that the result is not:

(1) contamination of the area; or

(2) a hazard to individuals who may come in contact with these materials.

(Natural Resources Commission; 312 IAC 13-8-3; filed Nov 22, 1999, 3:34 p.m.: 23 IR 770; errata filed Dec 30, 1999, 4:02 p.m.: 23 IR 1109; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; filed Jul 14, 2006, 1:23 p.m.: 20060809-IR-312050341FRA; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA)

312 IAC 13-8-4 Dewatering wells

Authority: IC 25-39-4-9

Affected: IC 25-39

Sec. 4. (a) This section establishes standards for dewatering wells which are in addition to the general requirements for drilling a well under this article.

(b) A dewatering well shall be equipped with casing having a nominal diameter of at least one and one-fourth (1¼) inches. The casing shall be clean and free of grease, oil, or other contaminants that would impact water quality.

(c) Upon installation, a dewatering well must be fitted with a temporary cap which remains in place until pumping equipment is installed. The cap shall be of a type that prevents vermin or other potential contaminants from entering the well.

(d) Earthen materials shall be placed around the well casing to drain surface water away from the dewatering well. (*Natural Resources Commission; 312 IAC 13-8-4; filed Nov 22, 1999, 3:34 p.m.: 23 IR 772; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA*)

Rule 9. Well Disinfection

312 IAC 13-9-1 Disinfection procedures for drilled wells

Authority: IC 25-39-4-2; IC 25-39-4-9

Affected: IC 25-39

Sec. 1. (a) Except as provided in subsection (d), the following procedures shall be used for the disinfection of drilled wells:

(1) The amount of water in the well shall be determined by multiplying the gallons per foot by the number of feet of water in the well according to the following table:

Diameter of Well in Inches	Gallons Per Foot
2	.16
3	.37
4	.65
5	1.00
6	1.50
8	2.60
10	4.10
12	6.00

(2) At least one hundred (100) parts per million of chlorine concentration in water are required for disinfection. For each one hundred (100) gallons of water in the well, the amount of chlorine liquid or compound shown in the following table shall be used:

Laundry Bleach (5.25% chlorine)	Hypochlorite Granules (70% chlorine)
3 cups	2 ounces

(3) The solution prepared under subdivision (2) shall be poured into the well to ensure the casing walls are wetted before the cover, cap, or seal is installed.

(4) Instead of the applications described in subdivisions (1) through (2), another application of chlorine may be substituted by a water well driller which results in a chlorine concentration of at least one hundred (100) parts per million.

(b) As used in this section, one (1) cup is equivalent to an eight (8) ounce measuring cup.

(c) As used in this section, one (1) ounce is equivalent to one (1) heaping tablespoon of granules.

(d) This section does not apply to a monitoring well or a dewatering well. (*Natural Resources Commission; 312 IAC 13-9-1; filed Nov 22, 1999, 3:34 p.m.: 23 IR 772; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA*)

312 IAC 13-9-2 Disinfection procedures for bucket wells

Authority: IC 25-39-4-2; IC 25-39-4-9

Affected: IC 25-39

Sec. 2. The following procedures shall be used for the disinfection of bucket wells:

(1) The amount of disinfectant required is determined primarily by the amount of water in the well. The following table establishes the amount of chlorine to use for each foot of water in the well:

Diameter of well in feet	3	4	5	6	7	8	10
Amount of 5.25% laundry bleach to use per foot of water (in cups)	1.5	3	4.5	6	9	12	18
Amount of .70% hypochlorite (in cups)	1	2	3	4	6	8	12

(2) To determine the amount of bleach, multiply the amount of disinfectant indicated as determined by the diameter of the well times the number of feet of water in the well.

(3) The amount of bleach determined under subdivision (2) shall be added to approximately ten (10) gallons of water and splashed around the lining or wall of the well. The entire amount of disinfectant must be circulated so that the solution contacts all parts of the well.

(4) The top of the well must be sealed.

(5) Instead of the applications described in this section, another application of chlorine may be substituted which results in a chlorine concentration of one hundred (100) parts per million.

(Natural Resources Commission; 312 IAC 13-9-2; filed Nov 22, 1999, 3:34 p.m.: 23 IR 772; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA)

Rule 10. Landowner Responsibility for Abandonment and Plugging of Wells

312 IAC 13-10-1 Temporary abandonment of wells

Authority: IC 25-39-4-2; IC 25-39-4-6; IC 25-39-4-9

Affected: IC 25-39

Sec. 1. A well which has not been used for more than three (3) months without being permanently abandoned must be sealed at or above the ground surface by a welded, threaded, or mechanically attached watertight cap. The well shall be maintained so that the well does not become a source or channel of ground water contamination. *(Natural Resources Commission; 312 IAC 13-10-1; filed Nov 22, 1999, 3:34 p.m.: 23 IR 772; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA)*

312 IAC 13-10-2 Permanent abandonment of wells

Authority: IC 14-10-2-4; IC 25-39-4

Affected: IC 25-39

Sec. 2. (a) A well abandoned before January 1, 1988, must be sealed at or above the ground surface by a welded, threaded, or mechanically attached watertight cap. The well shall be maintained so the well does not become a source or channel of ground water contamination. A well that poses a hazard to human health must also be plugged under subsection (c). A cased or uncased bucket well or a hand dug well (other than buried slab construction) that was abandoned before January 1, 1988, shall be closed in conformance with one (1) of the following procedures:

(1) Covered with a reinforced concrete slab:

(A) at least four (4) inches thick; and

(B) having a diameter larger than the nominal diameter of the borehole or the well casing.

- (2) Equipped with a properly reinforced cover:
 - (A) constructed of pressure treated lumber;
 - (B) having dimensions larger than the nominal diameter of the borehole or well casing; and
 - (C) protected against the water with roofing or other water repelling materials that are properly maintained to ensure the integrity of the cover.

Closure shall not be performed under this subdivision, however, if the cover is in direct contact with ground water or surface water.

- (3) Closed as otherwise approved by the division.

(b) A well drilled before January 1, 1988, and abandoned before January 1, 1994, shall be as follows:

- (1) Sealed at or above the ground surface by a welded, threaded, or mechanically attached watertight cap.

- (2) Maintained so the well does not become a source or channel of ground water contamination.

A well that poses a hazard to human health must also be plugged under subsection (c).

(c) A well abandoned after December 31, 1987, shall be plugged by a water well driller or water well pump installer with an impervious grouting material to prevent the following:

- (1) Migration of materials or fluids in the well.

- (2) Loss of pressure in a confined aquifer.

(d) A well drilled after December 31, 1987, and not equipped with casing must be plugged by a water well driller within seventy-two (72) hours after completion.

(e) This subsection applies as follows to a cased or uncased well abandoned after December 31, 1987:

- (1) The plugging material must consist of one (1) or a combination of the following:

- (A) Neat cement with not more than five percent (5%) by weight of bentonite additive.

- (B) Bentonite slurry, which can include polymers designed to retard swelling.

- (C) Pelletized, medium grade, or coarse grade crushed bentonite.

- (D) Other materials approved by the commission.

- (2) The following methods apply:

- (A) Cement and bentonite slurries shall be pumped into place in a continuous operation with a grout pipe introducing the plugging material at the bottom of the well and moving the pipe progressively upward as the well is filled.

- (B) Plugging materials other than neat cement or bentonite slurry shall be installed in a manner to prevent bridging of the well or borehole. The well or borehole shall be measured periodically throughout the plugging process to ensure that bridging does not occur.

- (3) The following procedures apply:

- (A) An abandoned well shall be disconnected from the water system. Any substance that may interfere with plugging shall be removed, if practicable.

- (B) A well, other than:

- (i) a monitoring well;

- (ii) a dewatering well; or

- (iii) an uncased borehole;

shall be chlorinated before abandonment as provided in 312 IAC 13-9-1.

- (4) Unless otherwise approved by the department, a cased well shall be plugged as follows:

- (A) With neat cement, bentonite slurry, or medium grade or coarse grade crushed or pelletized bentonite from the bottom of the well to within two (2) feet below the ground surface.

- (B) The well casing shall be severed at least two (2) feet below the ground surface, and a cement plug larger in diameter than the borehole shall be:

- (i) constructed over the borehole; and

- (ii) covered with natural clay material to the ground surface.

- (5) An uncased well (other than a borehole drilled by a bucket rig or a dewatering well governed by subdivision (8) or (9)) shall be filled with:

- (A) natural clay materials;

- (B) neat cement;

(C) bentonite slurry; or

(D) medium grade or coarse grade crushed or pelletized bentonite;

from the bottom of the borehole to a depth of not less than twenty-five (25) feet below ground surface. The borehole shall be filled with neat cement or medium grade or coarse grade crushed or pelletized bentonite from a depth not less than twenty-five (25) feet below ground surface to within two (2) feet below ground surface. The remaining borehole shall be filled with natural clay material to ground surface.

(6) A cased or uncased monitoring well shall be plugged from the bottom of the well or borehole to the ground surface with a:

(A) bentonite slurry; or

(B) pelletized or coarse grade crushed bentonite.

(7) A bucket well shall be plugged as follows:

(A) A bucket well installed as buried slab construction shall be filled with gravel from the bottom of the well to within ten (10) feet below the ground surface. Neat cement, bentonite slurry, or pelletized, medium grade, or coarse grade crushed bentonite shall be installed in the casing or well pipe from not less than ten (10) feet below the ground surface to within two (2) feet below the ground surface. The well pipe shall be:

(i) severed at least two (2) feet below the ground surface; and

(ii) covered with a cement plug larger in diameter than the well pipe.

The remaining hole shall be filled with natural clay material to the ground surface.

(B) Bucket well construction:

(i) using casing with an inside diameter of less than twelve (12) inches extending the entire length of the borehole; and

(ii) equipped with a well screen;

shall be abandoned under subdivision (4)(A).

(C) An uncased borehole drilled by a bucket rig shall be filled with natural clay material:

(i) from the bottom of the hole to the ground surface; and

(ii) thoroughly tamped to minimize settling.

(D) For other than buried slab construction, a bucket well shall be filled with gravel from the bottom of the well to at least five (5) feet below ground surface. The top section of the concrete or tile well casing shall be removed to cause the top of the well to terminate below ground surface. The well shall be filled with at least one (1) foot of:

(i) neat cement;

(ii) bentonite slurry; or

(iii) pelletized, medium grade, or coarse grade crushed bentonite;

from at least five (5) feet below ground surface to the top of the well casing. The well casing shall be covered with a cement plug larger in diameter than the borehole. The remaining hole shall be filled with natural clay material to ground surface.

(8) If a dewatering well casing is removed following use, the remaining borehole shall initially be filled with granular, pelletized, medium grade, or coarse grade crushed bentonite a minimum of one (1) foot thick. The remainder of the borehole shall be:

(A) filled with natural earth materials obtained during the drilling process to the ground surface; and

(B) thoroughly tamped to minimize settling.

(9) If a dewatering well casing is removed following use and the well site will be excavated as part of the construction project, the remaining borehole shall be:

(A) filled with natural earth materials obtained during the drilling process to the ground surface; and

(B) thoroughly tamped to minimize settling.

(f) The division shall be notified in writing of a well abandonment within thirty (30) days after plugging is completed.

(Natural Resources Commission; 312 IAC 13-10-2; filed Nov 22, 1999, 3:34 p.m.: 23 IR 773; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; filed Jul 14, 2006, 1:23 p.m.: 20060809-IR-312050341FRA; errata filed Apr 13, 2010, 2:06 p.m.: 20100428-IR-312100231ACA; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; filed Dec 20, 2011, 1:55 p.m.: 20120118-IR-312110332FRA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA)

Rule 11. Inspections

312 IAC 13-11-1 Inspections; compliance

Authority: IC 25-39-4-2; IC 25-39-4-9

Affected: IC 25-39

Sec. 1. A conservation officer or another representative of the department may:

- (1) observe the installation of a water well or pump; and
- (2) inspect equipment used to drill a well or install a pump.

Work that does not comply with this article or IC 25-39 must be promptly corrected by the water well driller or water well pump installer. Work that is covered contrary to the request of a department representative must, upon request, be uncovered for inspection and replaced by the water well driller or pump installer. (*Natural Resources Commission; 312 IAC 13-11-1; filed Nov 22, 1999, 3:34 p.m.: 23 IR 774; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; filed Dec 20, 2011, 1:55 p.m.: 20120118-IR-312110332FRA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA*)

312 IAC 13-11-2 Inspections by the department of records of a water well driller or water well pump installer

Authority: IC 25-39-4

Affected: IC 25-39

Sec. 2. A conservation officer or another representative of the department may, at any reasonable time, inspect any record maintained by a water well driller or water well pump installer that is needed to comply with IC 25-39 or this article. (*Natural Resources Commission; 312 IAC 13-11-2; filed Nov 22, 1999, 3:34 p.m.: 23 IR 774; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; filed Dec 20, 2011, 1:55 p.m.: 20120118-IR-312110332FRA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA*)

Rule 12. Enforcement

312 IAC 13-12-1 Administrative enforcement

Authority: IC 14-10-2-4; IC 25-39-4-2; IC 25-39-4-9

Affected: IC 4-21.5; IC 25-39

Sec. 1. (a) This rule governs enforcement of IC 25-39 and this article by the department under IC 4-21.5 and 312 IAC 3-1.

(b) This rule does not limit the authority to enforce IC 25-39 and this article through any other lawful method.

(c) This rule does not establish a basis for an action against a water well driller or water well pump installer by a person other than the department. (*Natural Resources Commission; 312 IAC 13-12-1; filed Nov 22, 1999, 3:34 p.m.: 23 IR 774; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; filed Dec 20, 2011, 1:55 p.m.: 20120118-IR-312110332FRA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA*)

312 IAC 13-12-2 Suspension or revocation of a license as a water well driller or water well pump installer

Authority: IC 14-10-2-4; IC 25-39-4-2; IC 25-39-4-9

Affected: IC 4-21.5-3-6; IC 4-21.5-4; IC 25-39-4

Sec. 2. (a) The division may seek to suspend or revoke the license of a water well driller or water well pump installer who has done any of the following:

- (1) Acted as a well driller or water well pump installer without a license in violation of IC 25-39.
- (2) Secured a license through error or fraud.
- (3) Failed to comply with the requirements set forth in any of the following:
 - (A) IC 25-39-4-1, IC 25-39-4-2, IC 25-39-4-4, IC 25-39-4-5, or IC 25-39-4-6.

(B) 312 IAC 13-2 through 312 IAC 13-10.

(b) An action under this section is governed by IC 4-21.5-3-6 and shall be initiated by the division with the issuance of a written notice directed to the person who is the subject of the action. The notice shall include the following:

- (1) A brief description of the order for suspension or revocation. An order for a license suspension shall not exceed a period of effectiveness that exceeds ninety (90) days.
- (2) A declaration that the recipient of the order may seek:

- (A) a stay of effectiveness of the suspension or revocation;
- (B) review of the suspension or revocation; or
- (C) both a stay of effectiveness and review of the suspension or revocation;

by making a written request within eighteen (18) days of issuance addressed to:

Director, Division of Hearings
Natural Resources Commission
Indiana Government Center North
100 North Senate Avenue, Room N103
Indianapolis, Indiana 46204-2273.

(c) An order issued by the division under subsection (b) is effective fifteen (15) days after issuance unless the recipient of the order obtains a stay of effectiveness. This subsection does not preclude the department from issuing, under IC 4-21.5-4, an emergency or other temporary order with respect to the license. (*Natural Resources Commission; 312 IAC 13-12-2; filed Nov 22, 1999, 3:34 p.m.: 23 IR 774; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; filed Dec 20, 2011, 1:55 p.m.: 20120118-IR-312110332FRA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA; errata filed Aug 16, 2017, 2:55 p.m.: 20170823-IR-312170389ACA*)

312 IAC 13-12-3 Denial of a new, renewal, or restoration license as a water well driller or water well pump installer

Authority: IC 14-10-2-4; IC 25-39-4-2; IC 25-39-4-9

Affected: IC 4-21.5-3-5; IC 4-21.5-4; IC 25-39-4

Sec. 3. (a) The division may refuse to grant, renew, or restore a license to a person who has done any of the following:

- (1) Acted as a well driller or water well pump installer without a license in violation of IC 25-39.
- (2) Secured a license through error or fraud.

(3) Failed to comply with the requirements set forth in any of the following:

- (A) IC 25-39-4-1, IC 25-39-4-2, IC 25-39-4-4, IC 25-39-4-5, or IC 25-39-4-6.
- (B) 312 IAC 13-2 through 312 IAC 13-10.

(b) An action under this section is governed by IC 4-21.5-3-5 and shall be initiated by the division with the issuance of a written notice directed to the applicant and to any person who has requested notice under IC 4-21.5-3-5(b)(4). The notice shall include the following:

- (1) A brief description of the denial order and the basis for the denial.
- (2) A declaration that the recipient of the order may seek administrative review by making a written request within eighteen (18) days of issuance addressed to:

Director, Division of Hearings
Natural Resources Commission
Indiana Government Center North
100 North Senate Avenue, Room N103
Indianapolis, Indiana 46204-2273.

(c) If:

- (1) the division orders the denial of a license renewal; and
- (2) a timely and sufficient application was made for renewal of the license;

the existing license does not expire until the commission has disposed of a proceeding. This subsection does not preclude the department from issuing, under IC 4-21.5-4, an emergency or other temporary order with respect to the license. (*Natural Resources Commission; 312 IAC 13-12-3; filed Nov 22, 1999, 3:34 p.m.: 23 IR 775; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661;*

readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; filed Dec 20, 2011, 1:55 p.m.: 20120118-IR-312110332FRA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA; errata filed Aug 16, 2017, 2:55 p.m.: 20170823-IR-312170389ACA)

312 IAC 13-12-4 Administrative review of a sanction against a water well drilling license

Authority: IC 14-10-2-4; IC 25-39-4-2; IC 25-39-4-9

Affected: IC 25-39

Sec. 4. (a) The commission may consider the factors set forth in this section in conducting administrative review of an order issued by the department under section 2 or 3 of this rule.

(b) Mitigating factors are as follows:

(1) The person against whom action is taken has not previously been adjudicated by the commission or a court to have violated IC 25-39 or this article.

(2) The violation appears to have been unintentional.

(3) The violation was an isolated occurrence.

(4) Contamination is unlikely to have occurred as a result of the violation.

(5) Where a violation has occurred, the person has acted diligently to correct the violation.

(c) Aggravating factors are as follows:

(1) The person against whom action is taken has previously been adjudicated by the commission or a court to have violated IC 25-39 or this article.

(2) The violation appears to have been intentional.

(3) A pattern of violations has occurred.

(4) Significant contamination is likely to have occurred as a result of the violation.

(5) A hazard to human health is likely to have occurred as a result of the violation.

(Natural Resources Commission; 312 IAC 13-12-4; filed Nov 22, 1999, 3:34 p.m.: 23 IR 775; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA)

312 IAC 13-12-5 Notice of violation

Authority: IC 14-10-2-4; IC 25-39-4-2; IC 25-39-4-9

Affected: IC 4-21.5-3-8; IC 14-10-2-6; IC 25-39-5

Sec. 5. (a) The department may issue a complaint for a notice of violation under IC 14-10-2-6 against a person who violates IC 25-39-5. The complaint shall be filed with the division of hearings of the commission and is subject to IC 4-21.5-3-8. The division of hearings shall cause the complaint to be served upon the parties named in the complaint.

(b) The department has the burden of proving any violation alleged in the complaint by a preponderance of the evidence.

(c) A separate notice of violation may be issued or a separate charge imposed for each day a violation occurs.

(d) The person who is the subject of the complaint may establish as an affirmative defense the filing by a prosecuting attorney of a misdemeanor information or infraction complaint based on the same event as that upon which the notice of violation was based. The person has the burden of proving the affirmative defense.

(e) If following a completed proceeding under IC 4-21.5 the commission finds the violation occurred, the commission shall order the person to abate the violation within a reasonable period of time. The abatement period shall not be less than fifteen (15) days. The order shall also specify that, if the violation is not abated within the specified time, the person shall pay a charge that does not exceed the maximum amount that may be assessed by a court for committing the violation as an infraction or misdemeanor. *(Natural Resources Commission; 312 IAC 13-12-5; filed Nov 22, 1999, 3:34 p.m.: 23 IR 775; readopted filed Aug 4, 2005, 6:00 p.m.: 28 IR 3661; readopted filed May 20, 2011, 3:28 p.m.: 20110615-IR-312110002RFA; readopted filed Jul 19, 2017, 3:45 p.m.: 20170816-IR-312170132RFA)*

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