

ENERGY AND ENVIRONMENT CABINET DEPARTMENT FOR ENVIRONMENTAL PROTECTION DIVISION OF WATER 300 SOWER BOULEVARD FRANKFORT, KENTUCKY 40601

How to Use the Uniform Kentucky Water/Monitoring Well Reporting Record

(July 2024)

Brief History of the Well Record eForm:

- Apr 2008 Uniform Kentucky Well Construction Record (UKWCR) made available for download from the Kentucky Well Driller Certification Program Web page
- Mar 2010 Electronic submittal of UKWCR made possible through Uniform Kentucky Well Construction Record eForm, available via DEP eForms site
- Feb 2017 User accounts with login capability made available through Kentucky Business One Stop Portal (KyBOS), requiring a new One Stop User Account
- Apr 2019 DEP eForms page becomes EEC eForms site; user account management migrated to Kentucky Online Gateway (KOG) Portal, requiring new KOG User Account
- Mar 2020 Uniform Kentucky Water/Monitoring Well Reporting Record (UKWMWRR) eForm (Form 77) replaces UKWCR eForm (Form 14) with newer functionality allowing users to submit record of installation, modification or decommissioning of any temporary or permanent monitoring or water well
 - Jul 2024 New version of eForms releases with new EEC authentication for users to access EEC eForms using a single account (no longer needing KOG User Accounts)

The EEC eForms site allows the user to both submit records via eForm and manage those submittals through the EEC eForm Dashboard.

This document provides instructions on how to use the Uniform Kentucky Water/Monitoring Well Reporting Record (eForm).

If you have questions that are not addressed in this document, please contact the Kentucky Water Well Drillers Program (DOWDrillersProgram@ky.gov) and we will be glad to assist you.

Table of Contents

| Accessing the eForm | 3 |
|--|----|
| EEC eForms site | 4 |
| | |
| Choosing the eForm to Load | |
| Option 1: Blank eForm | 4 |
| Option 2: Previously saved eForm to complete | 4 |
| Option 3: Previously submitted eForm to use as template | 4 |
| Entering Data Into the eForm | _ |
| | |
| Start Tab | 5 |
| Purpose of Application | 5 |
| Enter the Kentucky Well ID (AKGWA) number | 5 |
| Owner Well ID# | 5 |
| Reference Point | 5 |
| Well Use | 5 |
| Section: Monitoring Wells | 7 |
| Overview of data needed for completion of Monitoring Well eForms | 7 |
| Install only | 7 |
| Install and Plugging | 15 |
| Maintenance/Rework | 21 |
| Plugging/Decommission | 26 |
| Lost/Destroyed | 31 |
| Section: Water Wells | 34 |
| Overview of data needed for completion of Water Well eforms | 34 |
| Install only | |
| Install and Plugging | 43 |
| Maintenance/Rework | |
| Plugging/Decommission | |
| Lost/Destroyed | |
| Reminders | 63 |

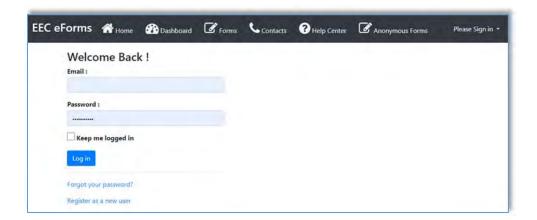
Accessing the eForm

The Uniform Kentucky Well Construction Record eForm is accessible via a link on the <u>Kentucky Well</u> <u>Drillers Program Web page</u>,

(https://eec.ky.gov/Environmental-Protection/Water/GW/Pages/GWRecords.aspx), as shown below:



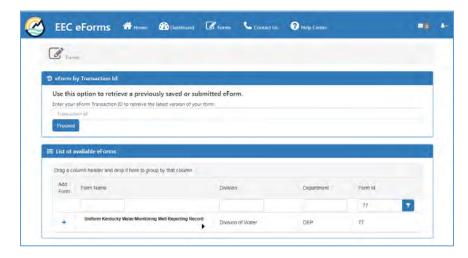
This link should forward you directly to the Uniform Kentucky Water/Monitoring Well Reporting Record (https://dep.gateway.ky.gov/eForms/Home/Forms?FormId=77) on the EEC eForms site or the main EEC eForms page (https://dep.gateway.ky.gov/eForms) if you aren't already signed in:



EEC eForms site

Once you have an active account, enter your Username and Password, and then click Sign in.

You should then be directed to the **EEC eForms** site filtered to the Well Record eForm (77):



Bookmark the **EEC eForms** site so you can return to it after you've submitted your first eForm.

Choosing the eForm to Load

Option 1: Blank eForm

Use this option the very first time you use the eForm.

Click on Plus Sign button



New eForm page opens (this may take several seconds)

Option 2: Previously saved eForm to complete

Use this option if you have an incomplete but saved eForm (not yet submitted to DEP)

Option 3: Previously submitted eForm to use as template

Use this option if you have a previously submitted eForm

See the document *HowToNavigateEECeFormsDashboard.pdf* for detailed instructions

Entering Data Into the eForm

Start Tab

Purpose of Application

Selection will determine populating screens moving forward.

- Install Only
- Install and Plugging
- Maintenance/rework
- Plugging/Decommission
- Lost/Destroyed



Enter the Kentucky Well ID (AKGWA) number

- 800x-xxxx Monitoring Well numeration
- 000x-xxxx Water Well numeration

***If a Maintenance/Rework, Plugging/Decommission, or Lost/Destroyed purpose is selected, and the AKGWA number for the well has not previously been entered in our system, an Invalid AKGWA number error will appear. Please contact DOWDrillersProgram@ky.gov for assistance before proceeding.

Owner Well ID#

• Well ID Number

Reference Point

- Downgradient
- Sidegradient
- Upgradient/Background/Reference

Well Use

Options are dependent on Purpose and Well ID (AKGWA) entered.

Option 1: For AKGWAs 800x-xxxx - Monitoring Well

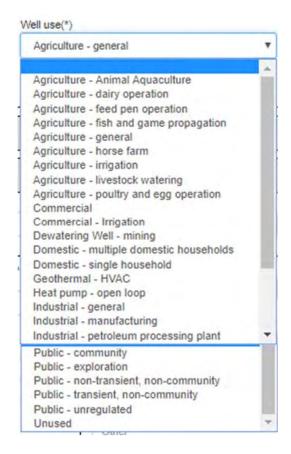
- Dewatering Well Construction
- Industrial General
- Industrial Manufacturing
- Industrial Petroleum processing plant
- Injection
- Mining
- Monitoring well Ambient monitoring
- Monitoring well Compliance
- Monitoring well Military installation
- Monitoring well Water Level monitoring only
- Remediation
- Unused





Option 2: For AKGWAs 000x-xxxx - Water Well

- Agriculture Animal Aquaculture
- Agriculture Dairy operation
- Agriculture feed pen operation
- Agriculture fish and game propagation
- Agriculture general
- Agriculture horse farm
- Agriculture irrigation
- Agriculture livestock watering
- Agriculture poultry and egg operation
- Commercial
- Commercial Irrigation
- Dewatering well- mining
- Domestic multiple domestic households
- Domestic Single household
- Geothermal HVAC
- Heat Pump Open Loop
- Industrial General
- Industrial Manufacturing
- Industrial Petroleum processing plant
- Public community
- Public Exploration
- Public Non-transient, Non-community
- Public transient, Non-community
- Public Unregulated
- Unused



Overview of data needed for completion of Monitoring Well eForms

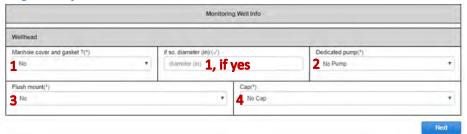
- 1. Install
 - Start Purpose
 - Monitoring Well Info
 - Owner/Site Info
 - Well Specs
 - Well Location
 - Construction
 - Affirmation
- 2. Install & Plugging
 - Start Purpose
 - Owner/Site Info
 - Well Specs
 - Well Location
 - Construction
 - Decommission
 - Affirmation

- 3. Maintenance/Rework
 - Start Purpose
 - Owner/Site Info
 - Well Specs
 - Well Location
 - Maintenance/Rework
 - Affirmation
 - ation

- Lost/Destroyed
 - Start Purpose
 - Owner/Site Info
 - Well Specs
 - Lost/Destroyed
 - Affirmation
- 4. Plugging/Decommission
 - Start Purpose
 - Owner/Site Info
 - Well Specs
 - Well Location
 - Decommission
 - Affirmation

Install only

Monitoring Well Information

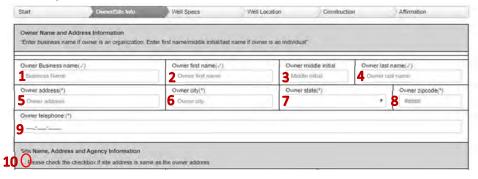


- 1. Manhole Cover and Gasket (*)
 - Yes, If so Diameter in Inches
 - No
- 2. Dedicated Pump?
 - No Pump
 - Submersible Bladder
 - Submersible Centrifugal

- 3. Flush Mount? (*)
 - Yes
 - No
- 4. Cap? (*)
 - Lockable
 - Not Lockable
 - No Cap
 - Water-tight and Lockable

Once finished hit **Save** to complete at a later date, or **Next** to continue to the next screen

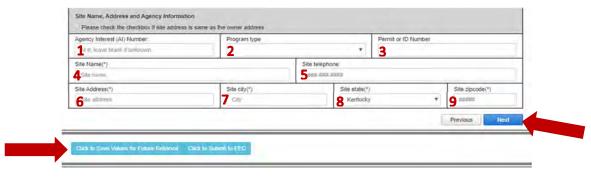
Owner and Site Info



- 1. Owner Business name
- 2. Owner first name
- 3. Owner middle initial
- 4. Owner last name
- 5. Owner address (*)
- 6. Owner City(*)
- 7. Owner State (*)

- 8. Owner Zip code (*)
- 9. Owner telephone (*)
- 10. If the Site Name, Address and Agency information is the same as the owner information, check the box to auto-populate the Site Name and Address information.

Site name, Address, and Agency Information



- 1. Agency Interest (AI) Number: if known, entering AI will auto-populate site information. if known, entering AI will auto-populate site information.
- 2. Program types
 - CERCLA
 - KPDES
 - Mining
 - PWS

- RCRA
- Solid Waste
- UST
- Water Withdraw

- 3. Permit or ID Number
- 6. Site Address (*)
- 8. Site State (*)

- 4. Site Name (*)
- 7. Site City(*)
- 9. Site Zip code (*)

5. Site Telephone

Well Specs

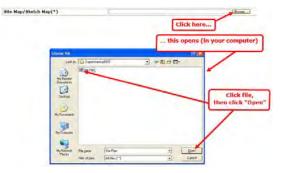
Supporting Documentation

- Site Map/Sketch Map
- Well location
- Well Diagram (monitoring well)
- Bacteria analysis (if applicable)
- Approved variance (if applicable)
- Drilling log (optional)
- Other laboratory analysis report (optional)
- Aquifer test results (optional)
- Casing/Screen Supplemental Info (if applicable)
- Other documentation (optional)

How to upload file

Hit the Upload file button, which will bring up the window to browse to file location and select for upload.

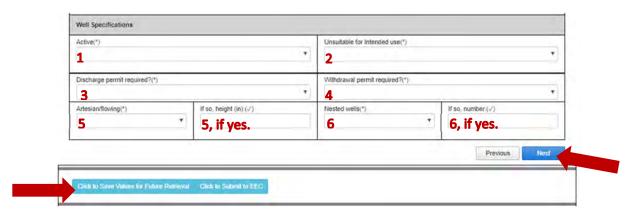




Well Specifications

- 1. Is the well Active? (*)
 - Yes No
- 2. Unsuitable for Intended use? (*)
 - Yes No
- 3. Discharge permit required? (*)
 - Yes No
- 4. Withdrawal permit required? (*)
 - Yes No

- 5. Artesian/flowing? (*)
 - Yes If so, height (in):
 - No
- 6. Nested Wells? (*)
 - Yes If so, number:
 - No



Well Location

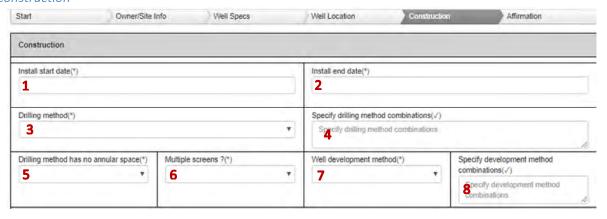


- 1. Well Latitude (*) <u>Driller Viewer</u> (Link to Map)
 - Must be in Decimal Degrees
- 2. Well Longitude (*)
 - Must be in Decimal Degrees
- 3. Method (*)
 - Driller Viewer (Link to map, found above)
 - GIS
 - GPS
- 4. USGS 7.5' Quadrangle (*)
 - This is a dropdown containing all available quadrangles.
- 5. County (*)
 - This is a dropdown containing all available Counties
- 6. Physiographic region (*)
 - Bluegrass
 - E. Coal Field
 - Jackson Purchase
 - Mississippian Plateau
 - Ohio River Alluvium
 - W. Coal Field



- Paper Map
- Survey
- 7. Surface Elevation (ft.) (*)
- 8. Surface elevation method (*)
 - Driller Viewer (Link to map, found above)
 - GIS
 - GPS
 - Paper Map
 - Survey
- 9. Well in flood zone? (*)
 - Yes
 - No

Construction



- 1. Install Date (*)
- 2. Install End Date (*)
- 3. Drilling Method (*)
 - Air Hammer
 - Auger HS
 - Auger SS
 - Auger Bucket
 - Auger Hand

- Combo (specify)
- Core
- Direct Push (DPT)
- Dual Circulation
- Excavation
- Cable tool • Jet Wash

4. Specify drilling method combinations: *Comments Box*

- 5. Drilling method has no annular space (*)
 - Yes No
- 6. Multiple screens? (*)
 - Yes No
- 7. Well development method(*)
 - Surging
 - Jetting
 - **Pumping**
 - Backwashing

- Compressed air

Rotary - Air

Sand Point

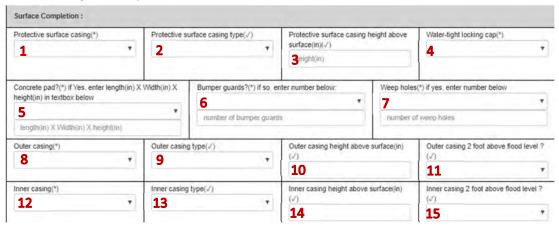
Sonic

Rotary - Mud

Rotary - Reverse

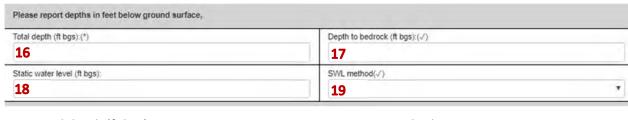
- Bailing
- Combinations of methods (Specify)
- 8. Specify development method combinations: Comments Box

Construction: Surface Completion



- 1. Protective surface casing (*)
 - Yes No
- 2. Protective surface casing type
 - Aluminum
 - Steel
 - PVC
- Protective surface casing height above surface(in)
- 4. Water-tight locking cap (*)
 - Yes No
- 9. Outer casing type
 - Concrete
 - Iron
 - Multiport PVC
 - Natural Formation
 - Open Hole
 - PE(polyethylene)Tubing
 - PTFE(Teflon)
 - PVC
 - Steel
 - Steel -Galvanized
 - Steel Stainless
 - Tile
- 10. Outer casing height above surface(in)
- 11. Outer casing 2 foot above flood level?
 - Yes No

- Concrete pad?(*) if Yes, enter length(in) X
 Width(in) X height(in) in textbox below
 - Yes No
- 6. Bumper guards?(*) if so, enter number below:
 - Yes No
- 7. Weep holes(*) if yes, enter number below
 - YesNo
- 8. Outer casing (*)
 - Yes No
- 12. Inner casing
 - YesNo
- 13. Inner casing type
 - Concrete
 - Iron
 - Multiport PVC
 - Natural Formation
 - Open Hole
 - PE(polyethylene)Tubing
 - PTFE(Teflon)
 - PVC
 - Steel
 - Steel -Galvanized
 - Steel Stainless
 - Tile
- 14. Inner casing height above surface(in)
- 15. Inner casing 2 foot above flood level?
 - Yes No

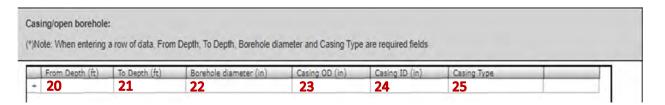


- 16. Total depth (ft bgs):
- 17. Depth to bedrock (ft bgs):
- 18. Static water level (ft bgs):

Construction: Casing/Open Borehole

19. SWL method

- Estimated
- Measured
- Reported



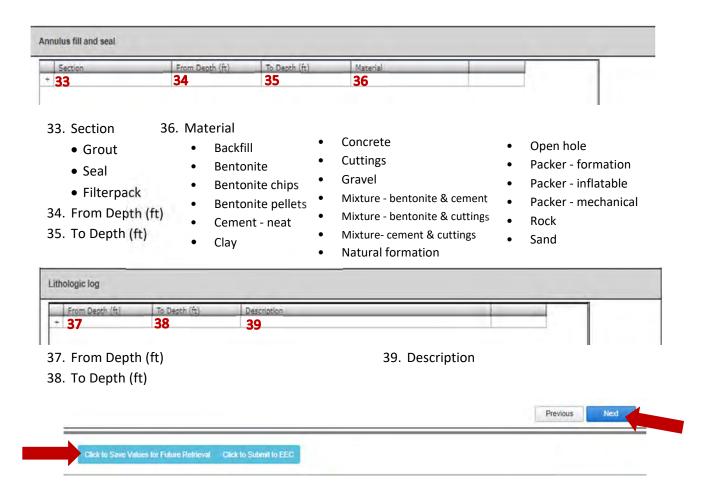
- 20. From Depth (ft)
- 21. To Depth (ft)
- 22. Borehole diameter (in)
- 23. Casing OD (in)
- 24. Casing ID (in)
- 25. Casing Type
 - Concrete
 - Iron
 - Multiport PVC

- Natural Formation
- Open Hole
- PE(polyethylene)Tubing
- PTFE(Teflon)
- PVC
- Steel
- Steel -Galvanized
- Steel Stainless
- Tile

| Screen: | | | | | • nie | | |
|----------------|------------------|-------------------|----------------|----------------|-------------|-----------------------|--|
| From Depth (fr | t) To Depth (ft) | Borehole diameter | Screen OD (in) | Screen ID (in) | Screen Type | Screen Slot Size (in) | |
| - 26 | 27 | 28 | 29 | 30 | 31 | 32 | |

- 26. From Depth (ft)
- 27. To Depth (ft)
- 28. Borehole diameter (in)
- 29. Screen OD (in)
- 30. Screen ID (in)
- 31. Screen Type
 - Iron
 - Multiport PVC
 - Natural Formation
 - Open Hole
 - PE(polyethylene)Tubing
 - PTFE(Teflon)
- 32. Screen Slot Size (in)

- PVC
- Steel
- Steel -Galvanized
- Steel Stainless
- Tile

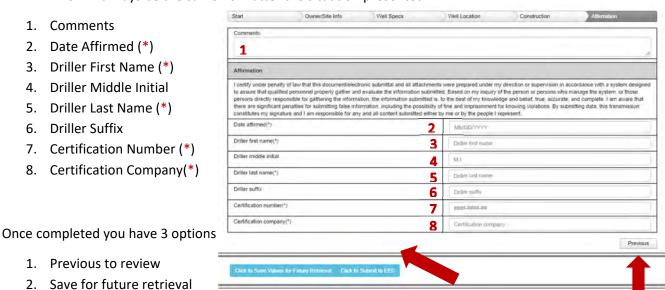


Once finished hit **Save** to complete at a later date, **Previous** to go back or **Next** to continue to the next screen.

Affirmation

This will always be the same no matter the situation presented:

correct before it will allow the submission



3. Submit to EEC - If you have errors within the form somewhere you will be asked to review and

Install and Plugging

- Start Purpose
- Owner/Site Info
- Well Specs

- Well Location
- Construction
- Decommission

Affirmation

Owner and Site Info

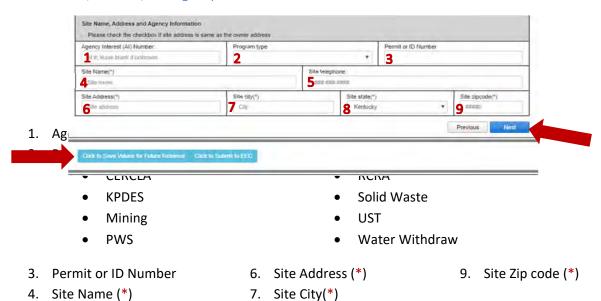


- 1. Owner Business name
- 2. Owner first name
- 3. Owner middle initial
- 4. Owner last name
- 5. Owner address (*)
- 6. Owner City(*)
- 7. Owner State (*)

- 8. Owner Zip code (*)
- 9. Owner telephone (*)
- 10. If the Site Name, Address and Agency information is the same as the owner information, check the box to auto-populate the Site Name and Address information.

Site name, Address, and Agency Information

5. Site Telephone number



Once finished hit Save to complete at a later date, Previous to go back or Next to continue to the next screen.

8. Site State (*)

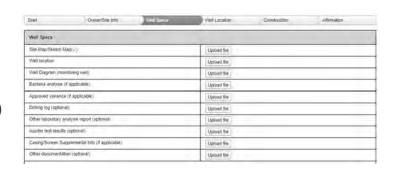
Well Specs

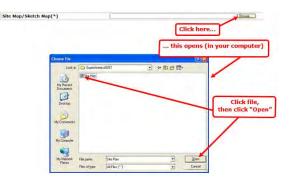
Supporting Documentation

- Site Map/Sketch Map
- Well location
- Well Diagram (monitoring well)
- Bacteria analysis (if applicable)
- Approved variance (if applicable)
- Drilling log (optional)
- Other laboratory analysis report (optional)
- Aquifer test results (optional)
- Casing/Screen Supplemental Info (if applicable)
- Other documentation (optional)

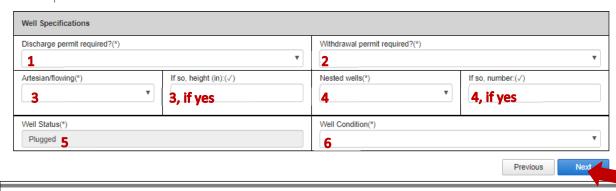
How to upload file:

Hit the Upload file button, which will bring up the window to browse to file location and select for upload.





Well Specifications:





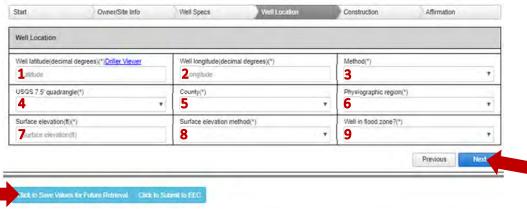
lick to Save Values for Future Retrieval Click to Submit to EEC

- Yes
- No
- 2. Withdrawal permit required? (*)
 - Yes
 - No
- 3. Artesian/flowing? (*)
 - Yes If so, height (in):
 - No

- 4. Nested Wells? (*)
 - Yes If so, number:
 - No
- 5. Well Status (*)
 - Is prepopulated as Plugged.
- 6. Well Condition
 - Over-drilled and grouted
 - Plugged and decommissioned

Once finished hit Save to complete at a later date, Previous to go back or Next to continue to the next screen.

Well Location

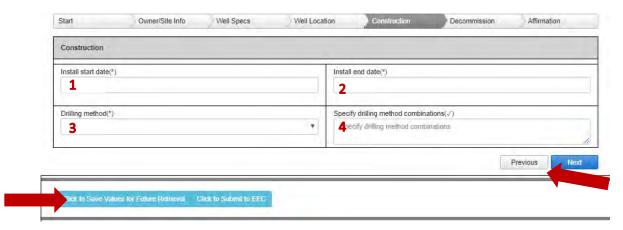


- 1. Well Latitude (*) <u>Driller Viewer</u> (Link to Map)
 - Must be in Decimal Degrees
- 2. Well Longitude (*)
 - Must be in Decimal Degrees
- 3. Method (*)
 - Driller Viewer (Link to map, found above)
- GIS
- GPS
- - Paper Map
 - Survey

- 4. USGS 7.5' Quadrangle (*)
 - This is a dropdown containing all available quadrangles.
- 5. County (*)
 - This is a dropdown containing all available Counties
- 6. Physiographic region (*)
 - Bluegrass
 - E. Coal Field
 - Jackson Purchase
 - Mississippian Plateau
 - Ohio River Alluvium
 - W. Coal Field

- 7. Surface Elevation (ft.) (*)
- 8. Surface elevation method (*)
 - Driller Viewer (Link to map, found above)
 - GIS
 - GPS
 - Paper Map
 - Survey
- 9. Well in flood zone? (*)
 - Yes
 - No

Construction:



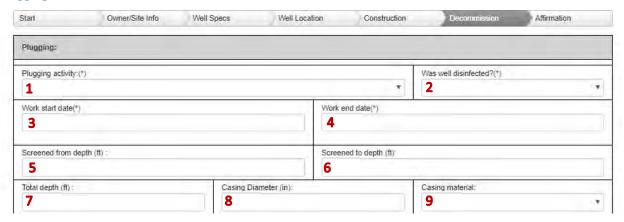
- 1. Install Date (*)
- 2. Install End Date (*)
- 3. Drilling Method (*)
 - Air Hammer
 - Auger HS
 - Auger SS
 - Auger Bucket
 - Auger Hand
 - Cable tool

- Combo (specify)
- Core
- Direct Push (DPT)
- Dual Circulation
- Excavation
- Jet Wash
- 4. Specify drilling method combinations: <u>Comments Box</u>

- Rotary Air
- Rotary Mud
- Rotary Reverse
- Sand Point
- Sonic

Decommission:

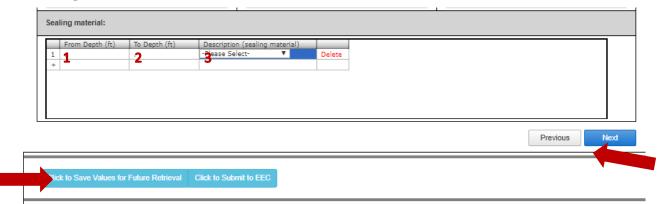
Plugging:



- 1. Plugging Activity (*)
 - Casting cutoff (min 5ft bgl), borehole filled w/gravel/sand/bottom to SWL, grouted SWL to top
 - Casting cutoff (min 5ft bgl), borehole grouted from bottom to top
 - Permanent bridge installed over void, borehole filled w/gravel/sand/bottom to SWL, grouted SWL to top
 - Permanent bridge installed over void, borehole grouted from bottom to top
 - Well casing pulled, borehole filled w/gravel/sand/bottom to SWL, grouted SWL to top
 - Well casing pulled, borehole grouted from bottom to top
 - Well over-drilled casing-screen-grout-filter pack removed, borehole filled w/ gravel, sand, bottom to SWL, grouted SWL to top
 - Well over-drilled casing-screen-grout-filter pack removed borehole grouted from bottom to top
 - Hole drilled, well not set, plugged.
- 2. Was well disinfected? (*)
 - YesNo
- Work Start Date(*)
- 4. Work End Date (*)
- 5. Screened from Depth (ft)
- 6. Screened to Depth (ft)
- 7. Total Depth (ft)
- 8. Casing Diameter (in)
- 9. Casing Material:
 - Concrete
 - Iron
 - Multiport PVC
 - Natural Formation
 - Open Hole
 - PE(polyethylene)Tubing

- PTFE(Teflon)
- PVC
- Steel
- Steel -Galvanized
- Steel Stainless
- Tile

Sealing Material:



- 1. From Depth (ft)
- 2. To Depth (ft)
- 3. Description (Sealing Material) Select One
 - Bentonite Chips
 - Bentonite (Granular)
 - Bentonite (Pellets)
 - Cement neat
 - Concrete

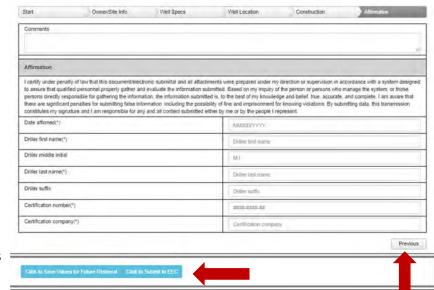
- DGA
- Mixture bentonite/Cement grout
- Sand
- Washed Gravel

Once finished hit Save to complete at a later date, Previous to go back or Next to continue to the next screen.

Affirmation

This will always be the same no matter the situation presented:

- 1. Comments
- 2. Date Affirmed (*)
- 3. Driller First Name (*)
- 4. Driller Middle Initial
- 5. Driller Last Name (*)
- 6. Driller Suffix
- 7. Certification Number (*)
- 8. Certification Company(*)



Once completed you have 3 options

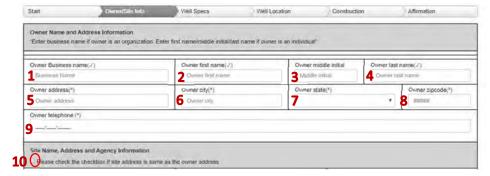
- 1. Previous to review
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- 3. Submit to EEC If you have errors within the form somewhere you will be asked to review and correct before it will allow the submission

Maintenance/Rework

- Start Purpose
- Owner/Site Info
- Well Specs

Owner and Site Info

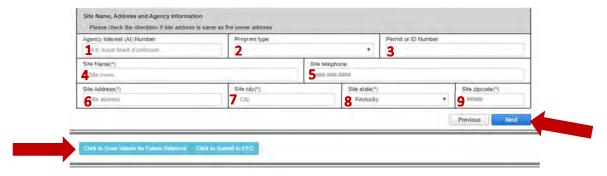
- Well Location
- Maintenance/Rework
- Affirmation



- 1. Owner Business name
- 2. Owner first name
- 3. Owner middle initial
- 4. Owner last name
- 5. Owner address (*)
- 6. Owner City(*)
- 7. Owner State (*)

- 8. Owner Zip code (*)
- 9. Owner telephone (*)
- 10. If the Site Name, Address and Agency information is the same as the owner information, check the box to auto-populate the Site Name and Address information

Site name, Address, and Agency Information



- 1. Agency Interest (AI) Number: if known, entering AI will auto-populate site information.
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- RCRA
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- UST
- Water Withdraw

- 3. Permit or ID Number
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- 6. Site Address (*)
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- 8. Site State (*)
- 9. Site Zip code (*)

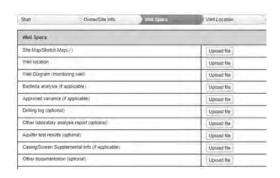
Well Specs

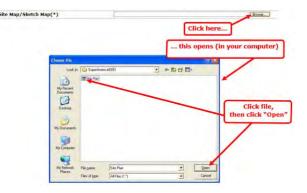
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- Approved variance (if applicable)
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- Other laboratory analysis report (optional)
- Aquifer test results (optional)
- Casing/Screen Supplemental Info (if applicable)
- Other documentation (optional)

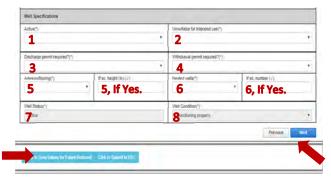
How to upload file:

Hit the Upload file button, which will bring up the window to browse to file location and select for upload.





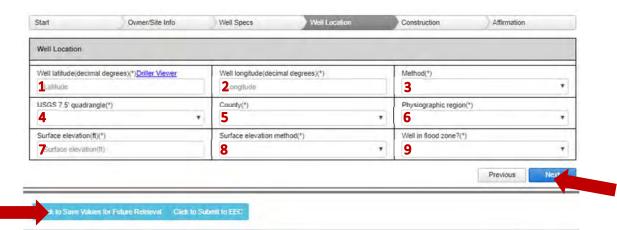
Well Specifications:



- 1. Active? (*)
 - Yes
 - No
- 2. Unsuitable for Intended use (*)
 - Yes
 - No
- 3. Discharge Permit Required? (*)
- 4. Withdrawal permit required? (*)
 - Yes
 - No

- Artesian/flowing? (*)
 - Yes If so, height (in):
 - No
- 6. Nested Wells? (*)
 - Yes If so, number:
 - No
- 7. Well Status (*)
 - Prepopulated as Active.
- 8. Well Condition
 - Prepopulated as Functioning Properly

Well Location



- 1. Well Latitude (*) <u>Driller Viewer</u> (Link to Map)
 - Must be in Decimal Degrees
- 2. Well Longitude (*)
 - Must be in Decimal Degrees
- 3. Method (*)
 - Driller Viewer (Link to map, found above)
 - GIS
 - GPS
- 4. USGS 7.5' Quadrangle (*)
 - This is a dropdown containing all available quadrangles.
- 5. County (*)
 - This is a dropdown containing all available Counties
- 6. Physiographic region (*)
 - Bluegrass
 - E. Coal Field
 - Jackson Purchase
 - Mississippian Plateau
 - Ohio River Alluvium
 - W. Coal Field

- - Paper Map
 - Survey
 - 7. Surface Elevation (ft.) (*)
 - 8. Surface elevation method (*)
 - Driller Viewer (Link to map, found above)
 - GIS
 - GPS
 - Paper Map
 - Survey
 - 9. Well in flood zone? (*)
 - Yes
 - No

Maintenance/Rework



1. Work Start Date (*)

2. Work End Date(*)

Replacement:



- 3. Replacement (Select One)
- 4. Reason for replacement
- a. Replace backfill

 - b. Replace Improper seal
 - c. Replace Screen
 - d. Replace Pit-less adapter
 - e. Other

Modification:



- 5. Repair (Select One)
 - a. Deepen
 - b. Extend Casing above ground
 - c. Extend Protective cover
 - d. Install Liner
 - e. Install Packer
- 6. Other Comments Box

- Repair Casing
- Repair Concrete Pad
- **Repair Steel Protective Casing**
- Other

Maintenance/Cleaning



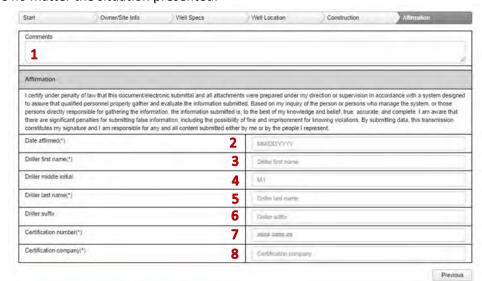
- 7. Maintenance
 - a. Corrosion
 - b. Screen Blocked by Biological Activity
 - c. Screen Blocked by Mineral Deposition
- 8. Cleaning Type
 - a. Chemical treatment
 - b. Mechanical removal

- d. Screen Blocked by Sediment
- e. Other
- Well Filled with Sediment
- 9. Cleaning method: Comment box

Affirmation

This will always be the same no matter the situation presented:

- 1. Comments
- 2. Date Affirmed (*)
- 3. Driller First Name (*)
- 4. Driller Middle Initial
- 5. Driller Last Name (*)
- 6. Driller Suffix
- 7. Certification Number (*)
- 8. Certification Company(*)



Once completed you have 3 options





3. Submit to EEC - If you have errors within the form somewhere you will be asked to review and correct before it will allow the submission



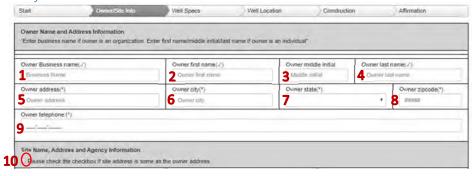
Plugging/Decommission

- Start Purpose
- Owner/Site Info

- Well Specs
- Well Location

- Decommission
- Affirmation

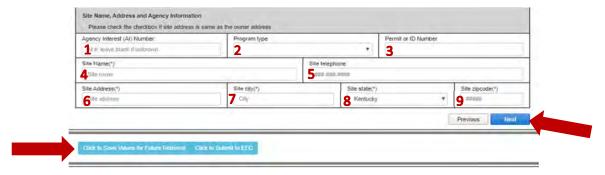
Owner and Site Info



- 1. Owner Business name
- 2. Owner first name
- 3. Owner middle initial
- 4. Owner last name
- 5. Owner address (*)
- 6. Owner City(*)
- 7. Owner State (*)

- 8. Owner Zip code (*)
- 9. Owner telephone (*)
- 10. If the Site Name, Address and Agency information is the same as the owner information, check the box to auto-populate the Site Name and Address information.

Site name, Address, and Agency Information



- Agency Interest (AI) Number: if known, entering AI will auto-populate site information.
- 2. Program types
 - CERCLA
 - KPDES
 - Mining
 - PWS

- RCRA
- Solid Waste
- UST
- Water Withdraw

- 3. Permit or ID Number
- 6. Site Address (*)
- 9. Site Zip code (*)

- 4. Site Name (*)
- 7. Site City(*)
- 5. Site Telephone number
- 8. Site State (*)

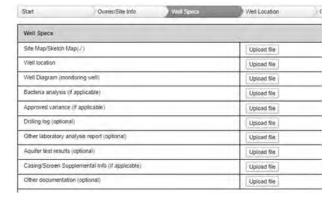
Well Specs

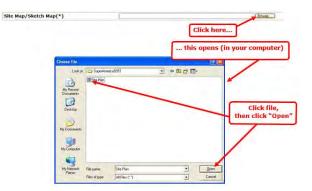
Supporting Documentation

- Site Map/Sketch Map
- Well location
- Well Diagram (monitoring well)
- Bacteria analysis (if applicable)
- Approved variance (if applicable)
- Drilling log (optional)
- Other laboratory analysis report (optional)
- Aquifer
- test results (optional)
- Casing/Screen Supplemental Info (if applicable)
- Other documentation (optional)

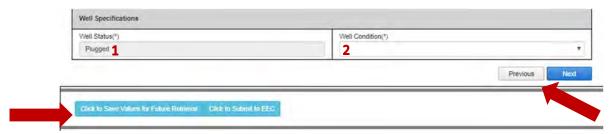
How to upload file:

Hit the Upload file button, which will bring up the window to browse to file location and select for upload.





Well Specifications:



- 1. Well Status (*)
 - Is prepopulated as Plugged.
- 2. Well Condition
 - Over-drilled and grouted
 - Plugged and decommissioned

Well Location

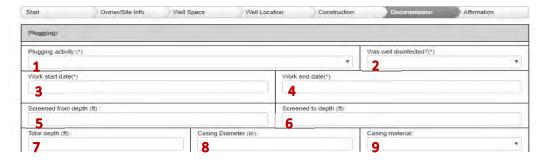


- 1. Well Latitude (*) <u>Driller Viewer</u> (Link to Map)
 - Must be in Decimal Degrees
- 2. Well Longitude (*)
 - Must be in Decimal Degrees
- 3. Method (*)
 - Driller Viewer (Link to map, found above)
 - GIS
 - GPS
- 4. USGS 7.5' Quadrangle (*)
 - This is a dropdown containing all available quadrangles.
- 5. County (*)
 - This is a dropdown containing all available Counties
- 6. Physiographic region (*)
 - Bluegrass
 - E. Coal Field
 - Jackson Purchase
 - Mississippian Plateau
 - Ohio River Alluvium
 - W. Coal Field



- Paper Map
- Survey
- 7. Surface Elevation (ft.) (*)
- 8. Surface elevation method (*)
 - Driller Viewer (Link to map, found above)
 - GIS
 - GPS
 - Paper Map
 - Survey
- 9. Well in flood zone? (*)
 - Yes
 - No

Decommission: Plugging:



1. Plugging Activity (*)

- Casting cutoff (min 5ft bgl), borehole filled w/gravel/sand/bottom to SWL, grouted SWL to top
- Casting cutoff (min 5ft bgl), borehole grouted from bottom to top
- Permanent bridge installed over void, borehole filled w/gravel/sand/bottom to SWL, grouted SWL to top
- Permanent bridge installed over void, borehole grouted from bottom to top
- Well casing pulled, borehole filled w/gravel/sand/bottom to SWL, grouted SWL to top
- Well casing pulled, borehole grouted from bottom to top
- Well over-drilled casing-screen-grout-filter pack removed, borehole filled w/ gravel, sand, bottom to SWL, grouted SWL to top
- Well over-drilled casing-screen-grout-filter pack removed borehole grouted from bottom to top
- Hole drilled, well not set, plugged.
- 2. Was well disinfected? (*)
 - Yes
 - No
- Work Start Date(*)
- 4. Work End Date (*)
- 5. Screened from Depth (ft)
- 6. Screened to Depth (ft)
- 7. Total Depth (ft)
- 8. Casing Diameter (in)
- 9. Casing Material:
 - ConcreteIron
- Open Hole
- PE(polyethylene)Tubing
- Multiport PVC
- PTFE(Teflon)
- Natural Formation
- PVC

- Steel
- Steel -Galvanized
- Steel Stainless
- Tile

Sealing Material:



- 1. From Depth (ft)
- 2. To Depth (ft)
- 3. Description (Sealing Material) Select One
 - Bentonite Chips
 - Bentonite (Granular)
 - Bentonite (Pellets)
 - Cement neat
 - Concrete

- DGA
- Mixture bentonite/Cement grout
- Sand
- Washed Gravel

Once finished hit Save to complete at a later date, Previous to go back or Next to continue to the next screen.

Affirmation

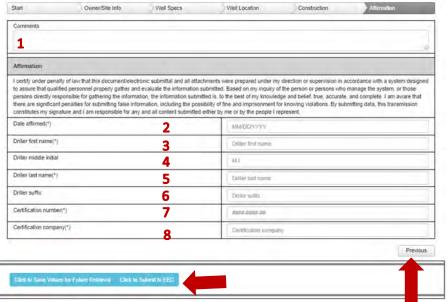
This will always be the same no matter the situation presented:

- 1. Comments
- 2. Date Affirmed (*)
- 3. Driller First Name (*)
- 4. Driller Middle Initial
- 5. Driller Last Name (*)
- 6. Driller Suffix
- 7. Certification Number (*)
- 8. Certification Company(*)

Once completed you have 3 options

- 1. Previous to review
- 2. Save for future retrieval
- 3. Submit to EEC If you have errors within the form

somewhere you will be asked to review and correct before it will allow the submission



Lost/Destroyed

- Start Purpose
- Owner/Site Info
- Well Specs
 - Lost/Destroyed
- Affirmation

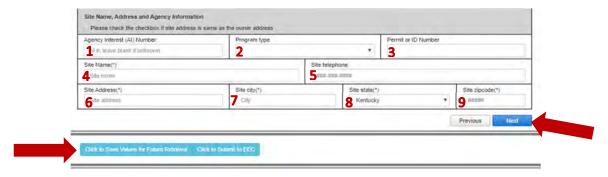
Owner and Site Info



- 1. Owner Business name
- 2. Owner first name
- 3. Owner middle initial
- 4. Owner last name
- 5. Owner address (*)
- 6. Owner City(*)
- 7. Owner State (*)

- 8. Owner Zip code (*)
- 9. Owner telephone (*)
- 10. If the Site Name, Address and Agency information is the same as the owner information, check the box to auto-populate the Site Name and Address information.

Site name, Address, and Agency Information



- 1. Agency Interest (AI) Number: if known, entering AI will auto-populate site information.
- 2. Program types
 - CERCLA
 - KPDES
 - Mining
 - PWS

- RCRA
- Solid Waste
- UST
- Water Withdraw

- 3. Permit or ID Number
- 5. Permit of 1D Number
- 4. Site Name (*)
- 5. Site Telephone number
- 6. Site Address (*)
- 7. Site City(*)
- 8. Site State (*)

9. Site Zip code (*)

Well Specs

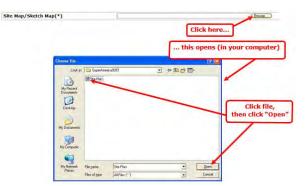
Supporting Documentation

- Site Map/Sketch Map
- Well location
- Well Diagram (monitoring well)
- Bacteria analysis (if applicable)
- Approved variance (if applicable)
- Drilling log (optional)
- Other laboratory analysis report (optional)
- Aquifer test results (optional)
- Casing/Screen Supplemental Info (if applicable)
- Other documentation (optional)

How to upload file

Hit the Upload file button, which will bring up the window to browse to file location and select for upload.





Well Specifications



- 1. Well Status (*)
 - Is prepopulated as Lost/Destroyed
- 2. Well Condition
 - No Selection option.

Lost/destroyed

- 1. Occurrence date (*)
- 2. Unable to locate?
 - Yes
 - No
- 3. Condition
 - Collapsed
 - Destroyed
 - Excavated
 - Flooded
 - Mined Through
 - Paved Over
 - Vandalized
 - Other: If other, Specify.
- 4. Detail all attempts made to locate well: Comments Box

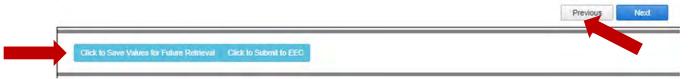
Lost/Destroyed

1 ate

3

5. Describe in detail the conditions of the well and surrounding area: Comments Box.

Detail all attempts made to locate the well, if



Once finished hit Save to complete at a later date, Previous to go back or Next to continue to the next screen.

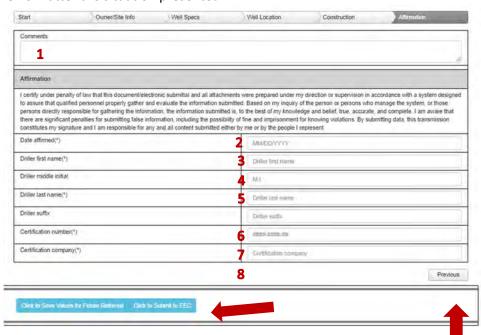
Affirmation

This will always be the same no matter the situation presented:

- 1. Comments
- 2. Date Affirmed (*)
- 3. Driller First Name (*)
- 4. Driller Middle Initial
- 5. Driller Last Name (*)
- 6. Driller Suffix
- 7. Certification Number (*)
- CertificationCompany(*)

Once completed you have 3 options

- 1. Previous to review
- 2. Save for future retrieval
- 3. Submit to EEC If you have errors within the form somewhere you will be asked to review and correct before it will allow the submission



Well Specs

If other, specify:(/).

3, if other

Describe in detail the condition of the well and surrounding area(4)

cribe in defail the condition of the well and surrounding area

Section: Water Wells

Although the Uniform Kentucky Well Construction Record was designed to be completed for either monitoring wells or water wells, there is some information relevant to water wells only.

It is important to complete as much information as possible when submitting a well construction record, but there are times when certain information is not available. Required fields are indicated on the form as (*); you will be unable to submit the information to DOW unless each of these fields is completed.

Keep in mind that although the fields in the water wells only section are not "required" for submittal of the eForm, they are **required for compliance** if you are submitting a water well record.

Overview of data needed for completion of Water Well eforms

- 1. Install
 - Start Purpose
 - Water Well Information
 - Owner/Site Info
 - Well Specs
 - Well Location
 - Construction
 - Affirmation
- 2. Install & Plugging
 - Start Purpose
 - Owner/Site Info
 - Well Specs
 - Well Location
 - Construction
 - Decommission
 - Affirmation

- 3. Maintenance/Rework
 - Owner/Site Info

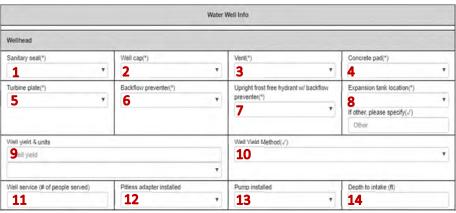
Start - Purpose

- Well Specs
- Well Location
- Maintenance/Rework
- Affirmation

- 5. Lost/Destroyed
 - Start Purpose
 - Owner/Site Info
 - Well Specs
 - Lost/Destroyed
 - Affirmation
- 4. Plugging/Decommission
 - Start Purpose
 - Owner/Site Info
 - Well Specs
 - Well Location
 - Decommission
 - Affirmation

Install only

Water Well Information



- 1. Sanitary Seal (*)
 - Yes
 - No
- 2. Well Cap (*)?
 - Yes
 - No
- 3. Vent? (*)
 - Yes
 - No
- 4. Concrete Pad? (*)
 - Yes
 - No
- 8. Expansion Tank Location: (*)
 - Basement
 - Garage
 - Set in Pit
 - Underground
- 9. Well Yield & Units, comments box, select measurement units.
 - gpm, (gallons per minute)
 - gph, (gallons per hour)
 - gpd, (gallons per day)
- 10. Well Yield Method
 - Estimated
 - Measured
- 11. Well service (# of people served), comments box
- 12. Pitless adapter installed
 - Yes
 - No
- 13. Pump Installed?
 - Bailer or Bucket
 - Hand
 - Jet
 - Submersible Bladder
- 14. Depth to Intake (ft) Comments box

- 5. Turbine Plate? (*)
 - Yes
 - No
- 6. Backflow Preventer? (*)
 - Yes
 - No
- 7. Upright frost free hydrant w/ backflow preventer? (*)
 - Yes
 - No
 - Well Head
 - Well House
 - Other, please specify

- Submersible centrifugal
- Turbine
- No Pump



Once finished hit Save to complete at a later date, Previous to go back or Next to continue to the next screen.

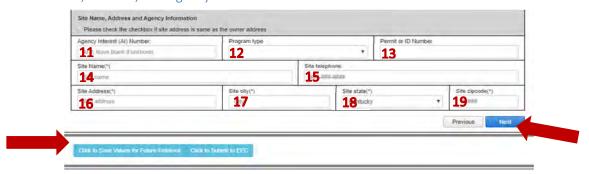
Owner and Site Info



- 1. Owner Business name
- 2. Owner first name
- 3. Owner middle initial
- 4. Owner last name
- 5. Owner address (*)
- 6. Owner City(*)
- 7. Owner State (*)

- 8. Owner Zip code (*)
- 9. Owner telephone (*)
- 10. If the Site Name, Address and Agency information is the same as the owner information, check the box to auto-populate the Site Name and Address information.

Site name, Address, and Agency Information



- 11. Agency Interest (AI) Number: if known, entering AI will auto-populate site information.
- 12. Program types
 - CERCLA
 - KPDES
 - Mining
 - PWS

- RCRA
- Solid Waste
- UST
- Water Withdraw

- 13. Permit or ID Number
- 16. Site Address (*)
- 19. Site Zip code (*)

- 14. Site Name (*)
- 17. Site City(*)
- 15. Site Telephone number
- 18. Site State (*)

Once finished hit Save to complete at a later date, Previous to go back or Next to continue to the next screen.

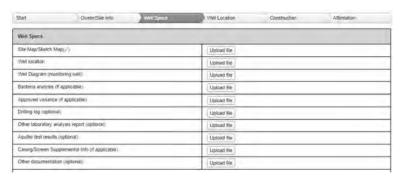
Well Specs

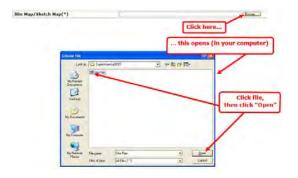
Supporting Documentation

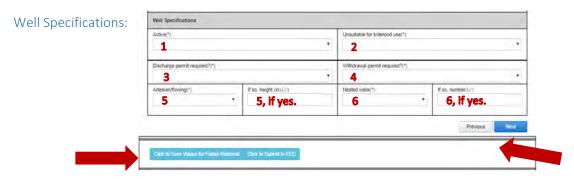
- Site Map/Sketch Map
- Well location
- Well Diagram (monitoring well)
- Bacteria analysis (if applicable)
- Approved variance (if applicable)
- Drilling log (optional)
- Other laboratory analysis report (optional)
- Aquifer test results (optional)
- Casing/Screen Supplemental Info (if applicable)
- Other documentation (optional)

How to upload file:

Hit the Upload file button, which will bring up the window to browse to file location and select for upload.





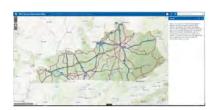


- 1. Is the well Active? (*)
 - Yes No
- 2. Unsuitable for Intended use? (*)
 - Yes No
- 3. Discharge permit required? (*)
 - Yes No
- 4. Withdrawal permit required? (*)
 - Yes No

- Artesian/flowing? (*)
 - Yes If so, height (in):
 - No
- 6. Nested Wells? (*)
 - Yes If so, number:
 - No



- 1. Well Latitude (*) <u>Driller Viewer</u> (Link to Map)
 - Must be in Decimal Degrees
- 2. Well Longitude (*)
 - Must be in Decimal Degrees
- 3. Method (*)
 - Driller Viewer (Link to map, found above)
 - GIS
- 4. USGS 7.5' Quadrangle (*)
 - This is a dropdown containing all available quadrangles.



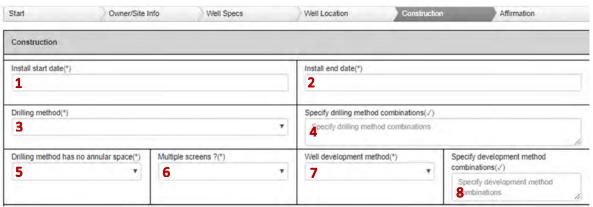
- GPS
- Paper Map
- Survey
- 5. County (*)
 - This is a dropdown containing all available Counties

- 6. Physiographic region (*)
 - Bluegrass
 - E. Coal Field
 - Jackson Purchase
 - Mississippian Plateau
 - Ohio River Alluvium
 - W. Coal Field
- 7. Surface Elevation (ft.) (*)

- 8. Surface elevation method (*)
- Driller Viewer (Link to map, found above)
- GIS
- GPS
- Paper Map
- Survey
- 9. Well in flood zone? (*)
 - Yes
 - No

Once finished hit Save to complete at a later date, Previous to go back or Next to continue to the next screen.

Construction:



- 1. Install Date (*)
- 2. Install End Date (*)
- 3. Drilling Method (*)
 - Air Hammer
 - Auger HS
 - Auger SS
 - Auger Bucket
 - Auger Hand
 - Cable tool

- Combo (specify)
- Core
- Direct Push (DPT)
- Dual Circulation
- Excavation
- Jet Wash

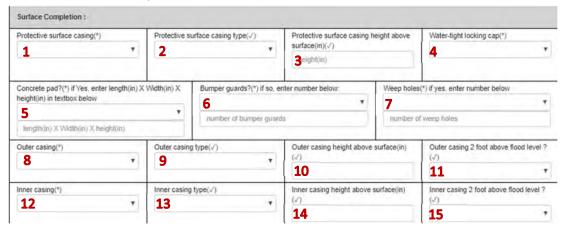
- Rotary Air
- Rotary Mud
- Rotary Reverse
- Sand Point
- Sonic
- 4. Specify drilling method combinations: Comments Box
- 5. Drilling method has no annular space
 - (*)
- Yes
- No

- 6. Multiple screens? (*)
 - Yes
 - No

- 7. Well development method(*)
 - Surging
 - Jetting
 - Pumping
 - Backwashing

- Bailing
- Compressed air
- Combinations of methods (Specify)
- 8. Specify development method combinations: Comments Box

Construction: Surface Completion



- 1. Protective surface casing (*)
 - Yes
 - No
- 2. Protective surface casing type
 - Aluminum
 - Steel
 - PVC
- 3. Protective surface casing height above surface(in)
- 4. Water-tight locking cap (*)
 - Yes
 - No
- 5. Concrete pad?(*) if Yes, enter length(in) X Width(in) X height(in) in textbox below
 - Yes
 - No
- 6. Bumper guards?(*) if so, enter number below:
 - Yes
 - No
- 7. Weep holes(*) if yes, enter number below
 - Yes
 - No
- 8. Outer casing (*)
 - Yes
 - No
- 9. Outer casing type
 - Concrete
 - Iron
 - Multiport PVC
 - Natural Formation
 - Open Hole
 - PE(polyethylene)Tubing

- PTFE(Teflon)
- PVC
- Steel
- Steel -Galvanized
- Steel Stainless
- Tile

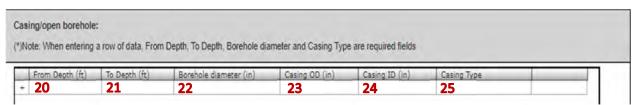
- 10. Outer casing height above surface(in)
- 11. Outer casing 2 foot above flood level?
 - Yes
 - No
- 12. Inner casing
 - Yes
 - No
- 13. Inner casing type
 - Concrete
 - Iron
 - Multiport PVC
 - Natural Formation
 - Open Hole
 - PE(polyethylene)Tubing
- 14. Inner casing height above surface(in)
- 15. Inner casing 2 foot above flood level?
 - Yes
 - No

- PTFE(Teflon)
- PVC
- Steel
- Steel -Galvanized
- Steel Stainless
- Tile

| Please report depths in feet below ground surface, | | | | |
|--|-------------------------------|--|--|--|
| Total depth (ft bgs):(*) | Depth to bedrock (ft bgs):(√) | | | |
| 16 | 17 | | | |
| Static water level (ft bgs): | SWL method(√) | | | |
| 18 | 19 | | | |

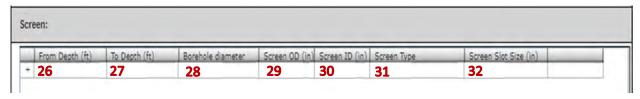
- 16. Total depth (ft bgs):
- 17. Depth to bedrock (ft bgs):
- 18. Static water level (ft bgs):

- 19. SWL method
 - Estimated
 - Measured
 - Reported



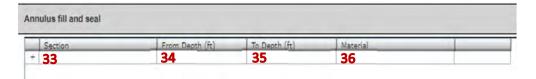
- 20. From Depth (ft)
- 21. To Depth (ft)
- 22. Borehole diameter (in)
- 23. Casing OD (in)
- 24. Casing ID (in)
- 25. Casing Type
 - Concrete
 - Iron
 - Multiport PVC

- Natural Formation
- Open Hole
- PE(polyethylene)Tubing
- PTFE(Teflon)
- PVC
- Steel
- Steel -Galvanized
- Steel Stainless
- Tile



- 26. From Depth (ft)
- 27. To Depth (ft)
- 28. Borehole diameter (in)
- 29. Screen OD (in)
- 30. Screen ID (in)
- 31. Screen Type
 - Iron
 - Multiport PVC
 - Natural Formation
 - Open Hole
 - PE(polyethylene)Tubing
 - PTFE(Teflon)
- 32. Screen Slot Size (in)

- PVC
- Steel
- Steel -Galvanized
- Steel Stainless
- Tile



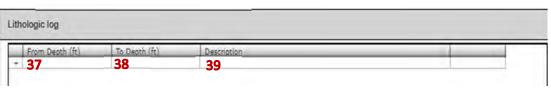
- 33. Section 36. Material
 - Grout
 - Seal
 - Filterpack
- 34. From Depth (ft)
- 35. To Depth (ft)
- Backfill
 - Bentonite
 - Bentonite chips
 - Bentonite pellets
 - Cement neat
 - Clay

- Concrete
- Cuttings
- Gravel
- Mixture bentonite & cement
- Mixture bentonite & cuttings
- Mixture- cement & cuttings
- Natural formation

- Open hole
- Packer formation
- Packer inflatable
- Packer mechanical

Previous

- Rock
- Sand



- 37. From Depth (ft)
- 38. To Depth (ft)

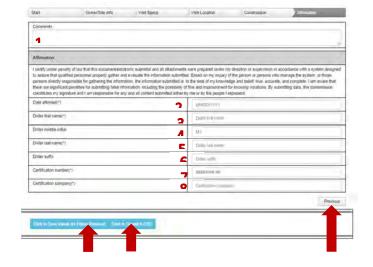
39. Description



Affirmation

This will always be the same no matter the situation presented:

- 1. Comments
- 2. Date Affirmed (*)
- 3. Driller First Name (*)
- 4. Driller Middle Initial
- 5. Driller Last Name (*)
- 6. Driller Suffix
- 7. Certification Number (*)
- 8. Certification Company(*)



Once completed you have 3 options

- 1. Previous to review
- 2. Save for future retrieval
- 3. Submit to EEC If you have errors within the form somewhere you will be asked to review and correct before it will allow the submission

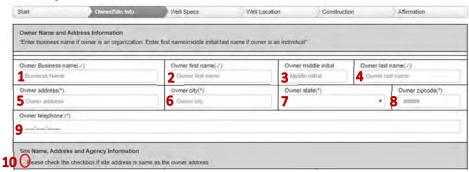
Install and Plugging

- Start Purpose
- Owner/Site Info
- Well Specs

- Well Location
- Construction
- Decommission

Affirmation

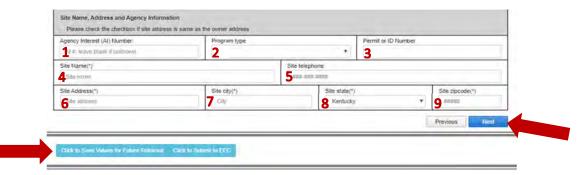
Owner and Site Info



- 1. Owner Business name
- 2. Owner first name
- 3. Owner middle initial
- 4. Owner last name
- 5. Owner address (*)
- 6. Owner City(*)
- 7. Owner State (*)

- 8. Owner Zip code (*)
- 9. Owner telephone (*)
- 10. If the Site Name, Address and Agency information is the same as the owner information, check the box to auto-populate the Site Name and Address information.

Site name, Address, and Agency Information



- 1. Agency Interest (AI) Number: if known, entering AI will auto-populate site information.
- 2. Program types
 - CERCLA
 - KPDES
 - Mining
 - PWS

- RCRA
- Solid Waste
- UST
- Water Withdraw

- 3. Permit or ID Number
- 4. Site Name (*)
- 5. Site Telephone number
- 6. Site Address (*)
- 7. Site City(*)
- 8. Site State (*)

9. Site Zip code (*)

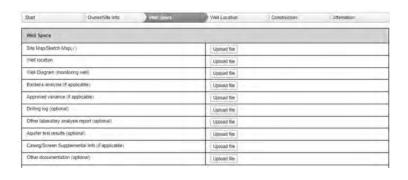
Well Specs

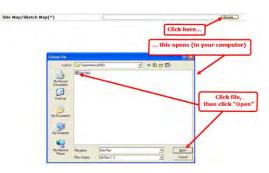
Supporting Documentation

- Site Map/Sketch Map
- Well location
- Well Diagram (monitoring well)
- Bacteria analysis (if applicable)
- Approved variance (if applicable)
- Drilling log (optional)
- Other laboratory analysis report (optional)
- Aquifer test results (optional)
- Casing/Screen Supplemental Info (if applicable)
- Other documentation (optional)

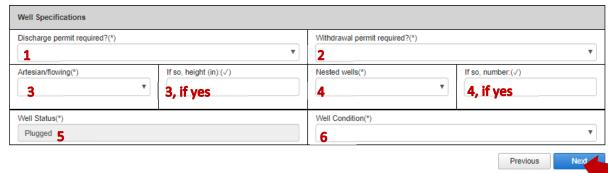
How to upload file:

Hit the Upload file button, which will bring up the window to browse to file location and select for upload.





Well Specifications:

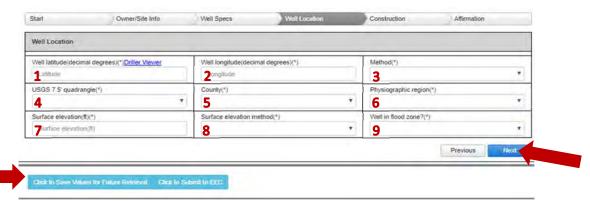


Click to Save Values for Future Retrieval Click to Submit to EEC

- 7. Discharge permit required? (*)
 - Yes
 - No
- 8. Withdrawal permit required? (*)
 - Yes
 - No
- 9. Artesian/flowing? (*)
 - Yes If so, height (in):
 - No

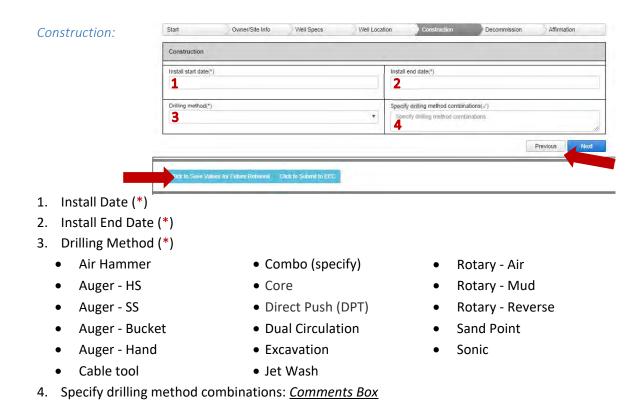
- 10. Nested Wells? (*)
 - Yes If so, number:
 - No
- 11. Well Status (*)
 - Is prepopulated as Plugged.
- 12. Well Condition
 - Over-drilled and grouted
 - Plugged and decommissioned

Well Location



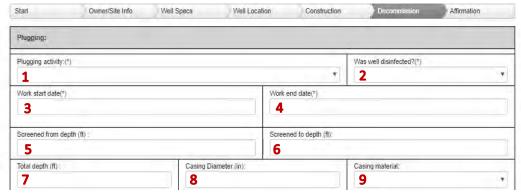
- 1. Well Latitude (*) <u>Driller Viewer</u> (Link to Map)
 - Must be in Decimal Degrees
- 2. Well Longitude (*)
 - Must be in Decimal Degrees
- 3. Method (*)
 - Driller Viewer (Link to map, found above)
 - GIS
 - GPS
- 4. USGS 7.5' Quadrangle (*)
 - This is a dropdown containing all available quadrangles.
- 5. County (*)
 - This is a dropdown containing all available Counties
- 6. Physiographic region (*)
 - Bluegrass
 - E. Coal Field
 - Jackson Purchase
 - Mississippian Plateau
 - Ohio River Alluvium
 - W. Coal Field

- - Paper Map
 - Survey
- 7. Surface Elevation (ft.) (*)
- 8. Surface elevation method (*)
 - Driller Viewer (Link to map, found above)
 - GIS
 - GPS
 - Paper Map
 - Survey
- 9. Well in flood zone? (*)
 - Yes
 - No



Decommission:

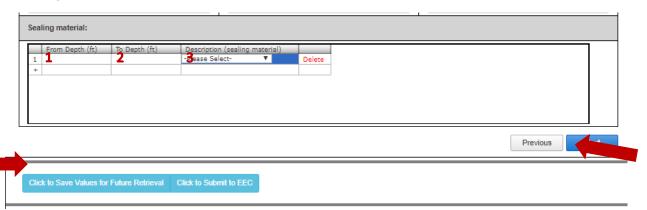
Plugging:



- 1. Plugging Activity (*)
 - Casting cutoff (min 5ft bgl), borehole filled w/gravel/sand/bottom to SWL, grouted SWL to top
 - Casting cutoff (min 5ft bgl), borehole grouted from bottom to top
 - Permanent bridge installed over void, borehole filled w/gravel/sand/bottom to SWL, grouted SWL to top
 - Permanent bridge installed over void, borehole grouted from bottom to top
 - Well casing pulled, borehole filled w/gravel/sand/bottom to SWL, grouted SWL to top
 - Well casing pulled, borehole grouted from bottom to top
 - Well over-drilled casing-screen-grout-filter pack removed, borehole filled w/ gravel, sand, bottom to SWL, grouted SWL to top
 - Well over-drilled casing-screen-grout-filter pack removed borehole grouted from bottom to top
 - Hole drilled, well not set, plugged.
- Was well disinfected? (*)
 - Yes
 - No
- Work Start Date(*)
- 4. Work End Date (*)
- 5. Screened from Depth (ft)
- 6. Screened to Depth (ft)
- 7. Total Depth (ft)
- 8. Casing Diameter (in)
- 9. Casing Material:
 - Concrete
 - Iron
 - Multiport PVC
 - Natural Formation
 - Open Hole
 - PE(polyethylene)Tubing
 - PTFE(Teflon)

- PVC
- Steel
- Steel -Galvanized
- Steel Stainless
- Tile

Sealing Material:



- 1. From Depth (ft)
- 2. To Depth (ft)
- 3. Description (Sealing Material) Select One
 - Bentonite Chips
 - Bentonite (Granular)
 - Bentonite (Pellets)
 - Cement neatConcrete

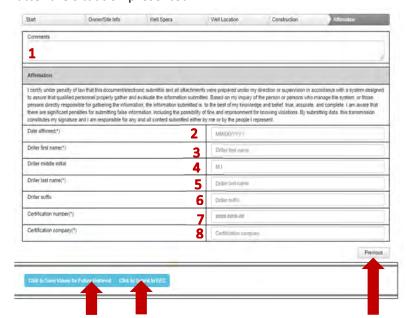
- DGA
- Mixture bentonite/Cement grout
- Sand
- Washed Gravel

Once finished hit save to complete at a later date, Previous to go back or Next to continue to the next screen.

Affirmation

This will always be the same no matter the situation presented:

- 1. Comments
- 2. Date Affirmed (*)
- 3. Driller First Name (*)
- 4. Driller Middle Initial
- 5. Driller Last Name (*)
- 6. Driller Suffix
- 7. Certification Number (*)
- 8. Certification Company(*)



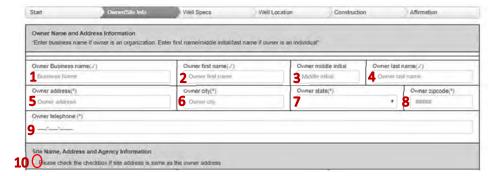
Once completed you have 3 options

- 1. Previous to review
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- 3. Submit to EEC If you have errors within the form somewhere you will be asked to review and correct before it will allow the submission

Maintenance/Rework

- Start Purpose
- Owner/Site Info
- Well Specs
- Owner and Site Info

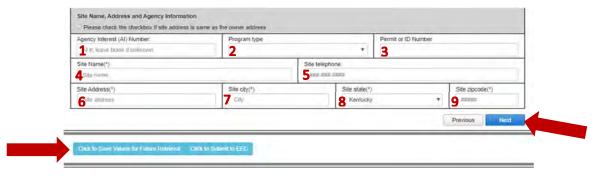
- Well Location
- Maintenance/Rework
- Affirmation



- 1. Owner Business name
- 2. Owner first name
- 3. Owner middle initial
- 4. Owner last name
- 5. Owner address (*)
- 6. Owner City(*)
- 7. Owner State (*)

- 8. Owner Zip code (*)
- 9. Owner telephone (*)
- 10. If the Site Name, Address and Agency information is the same as the owner information, check the box to auto-populate the Site Name and Address information

Site name, Address, and Agency Information



- 10. Agency Interest (AI) Number: if known, entering AI will auto-populate site information.
- 11. Program types
 - CERCLA
 - KPDES
 - Mining
 - PWS

- RCRA
- Solid Waste
- UST
- Water Withdraw

- 12. Permit or ID Number
- 15. Site Address (*)
- 18. Site Zip code (*)

- 13. Site Name (*)
- 16. Site City(*)
- 14. Site Telephone number
- 17. Site State (*)

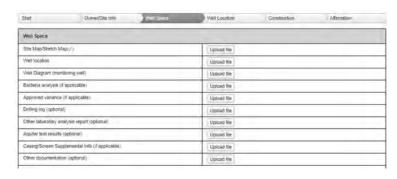
Well Specs

Supporting Documentation

- Site Map/Sketch Map
- Well location
- Well Diagram (monitoring well)
- Bacteria analysis (if applicable)
- Approved variance (if applicable)
- Drilling log (optional)
- Other laboratory analysis report (optional)
- Aquifer test results (optional)
- Casing/Screen Supplemental Info (if applicable)
- Other documentation (optional)

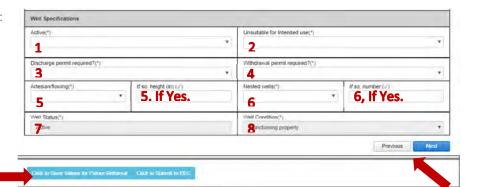
How to upload file:

Hit the Upload file button, which will bring up the window to browse to file location and select for upload.





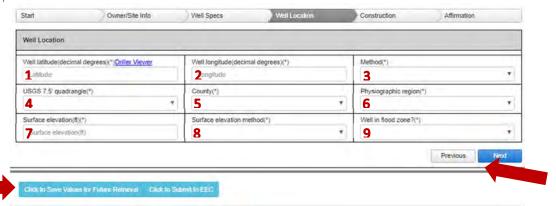
Well Specifications:



- 1. Active? (*)
 - Yes
 - No
- 2. Unsuitable for Intended use (*)
 - Yes
 - No
- 3. Discharge Permit Required? (*)
- 4. Withdrawal permit required? (*)
 - Yes
 - No
- Artesian/flowing? (*)
 - Yes If so, height (in):
 - No

- 6. Nested Wells? (*)
 - Yes If so, number:
 - No
- 7. Well Status (*)
 - Prepopulated as Active.
- 8. Well Condition
 - Prepopulated as Functioning Properly

Well Location



- 1. Well Latitude (*) <u>Driller Viewer</u> (Link to Map)
 - Must be in Decimal Degrees
- 2. Well Longitude (*)
 - Must be in Decimal Degrees
- 3. Method (*)
 - Driller Viewer (Link to map, found above)
 - GIS
 - GPS
- 4. USGS 7.5' Quadrangle (*)
 - This is a dropdown containing all available quadrangles.
- 5. County (*)
 - This is a dropdown containing all available Counties
- 6. Physiographic region (*)
 - Bluegrass
 - E. Coal Field
 - Jackson Purchase
 - Mississippian Plateau
 - Ohio River Alluvium
 - W. Coal Field



- Paper Map
- Survey
- 7. Surface Elevation (ft.) (*)
- 8. Surface elevation method (*)
 - Driller Viewer (Link to map, found above)
 - GIS
 - GPS
 - Paper Map
 - Survey
- 9. Well in flood zone? (*)
 - Yes
 - No

Maintenance/Rework



1. Work Start Date (*)

2. Work End Date(*)

Reason for replacement

Replacement:



4.

- 3. Replacement (Select One)
 - a. Replace backfill
 - b. Replace Improper seal
 - c. Replace Screen
 - d. Replace Pit-less adapter
 - e. Other

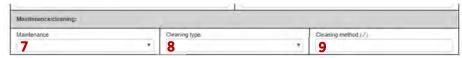
Modification:



- 5. Repair (Select One)
 - a. Deepen
 - b. Extend Casing above ground
 - c. Extend Protective cover
 - d. Install Liner
 - e. Install Packer
- 6. Other Comments Box

- f. Repair Casing
- g. Repair Concrete Pad
- h. Repair Steel Protective Casing
- i. Other

Maintenance/Cleaning



- 7. Maintenance
 - a. Corrosion
 - Screen Blocked by Biological Activity
 - c. Screen Blocked by Mineral Deposition
- 8. Cleaning Type
 - a. Chemical treatment
 - b. Mechanical removal

- d. Screen Blocked by Sediment
- e. Other
- f. Well Filled with Sediment
- 9. Cleaning method: Comment box

Affirmation

This will always be the same no matter the situation presented:

- 1. Comments
- 2. Date Affirmed (*)
- 3. Driller First Name (*)
- 4. Driller Middle Initial
- 5. Driller Last Name (*)
- 6. Driller Suffix
- 7. Certification Number (*)
- 8. Certification Company(*)

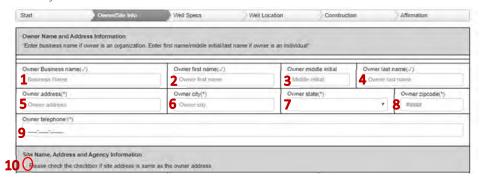
Once completed you have 3 options

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Plugging/Decommission

- Start Purpose
- Owner/Site Info
- Well Specs
- Well Location
- Decommission
- Affirmation

Owner and Site Info



- 1. Owner Business name
- 2. Owner first name
- 3. Owner middle initial
- 4. Owner last name
- 5. Owner address (*)
- 6. Owner City(*)
- 7. Owner State (*)

- 8. Owner Zip code (*)
- 9. Owner telephone (*)
- 10. If the Site Name, Address and Agency information is the same as the owner information, check the box to auto-populate the Site Name and Address information.

Site name, Address, and Agency Information



- 1. Agency Interest (AI) Number: if known, entering AI will auto-populate site information.
- 2. Program types
 - CERCLA
 - KPDES
 - Mining
 - PWS

- RCRA
- Solid Waste
- UST
- Water Withdraw

- 3. Permit or ID Number
- 4. Site Name (*)
- 5. Site Telephone number
- 6. Site Address (*)
- 7. Site City(*)
- 8. Site State (*)

9. Site Zip code (*)

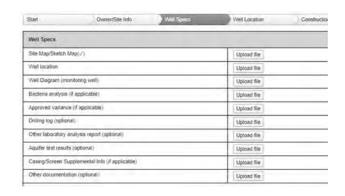
Well Specs

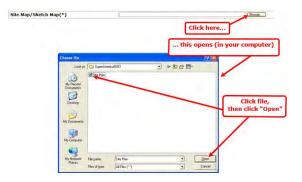
Supporting Documentation

- Site Map/Sketch Map
- Well location
- Well Diagram (monitoring well)
- Bacteria analysis (if applicable)
- Approved variance (if applicable)
- Drilling log (optional)
- Other laboratory analysis report (optional)
- Aguifer test results (optional)
- Casing/Screen Supplemental Info (if applicable)
- Other documentation (optional)

How to upload file:

Hit the Upload file button, which will bring up the window to browse to file location and select for upload.





Well Specifications:



- 1. Well Status (*)
 - Is prepopulated as Plugged.
- 2. Well Condition
 - Over-drilled and grouted
 - Plugged and decommissioned

Well Location



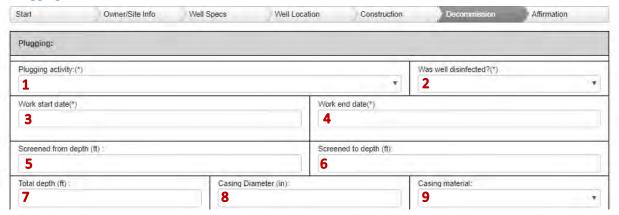
- 1. Well Latitude (*) <u>Driller Viewer</u> (Link to Map)
 - Must be in Decimal Degrees
- 2. Well Longitude (*)
 - Must be in Decimal Degrees
- 3. Method (*)
 - Driller Viewer (Link to map, found above)
 - GIS
 - GPS
- 4. USGS 7.5' Quadrangle (*)
 - This is a dropdown containing all available quadrangles.
- 5. County (*)
 - This is a dropdown containing all available Counties
- 6. Physiographic region (*)
 - Bluegrass
 - E. Coal Field
 - Jackson Purchase
 - Mississippian Plateau
 - Ohio River Alluvium
 - W. Coal Field



- Paper Map
- Survey
- 7. Surface Elevation (ft.) (*)
- 8. Surface elevation method (*)
 - Driller Viewer (Link to map, found above)
 - GIS
 - GPS
 - Paper Map
 - Survey
- 9. Well in flood zone? (*)
 - Yes
 - No

Decommission:

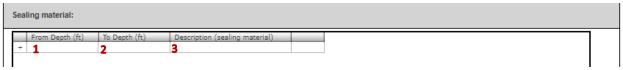
Plugging:



- 1. Plugging Activity (*)
 - Casting cutoff (min 5ft bgl), borehole filled w/gravel/sand/bottom to SWL, grouted SWL to top
 - Casting cutoff (min 5ft bgl), borehole grouted from bottom to top
 - Permanent bridge installed over void, borehole filled w/gravel/sand/bottom to SWL, grouted SWL to top
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 - Well casing pulled, borehole grouted from bottom to top
 - Well over-drilled casing-screen-grout-filter pack removed, borehole filled w/ gravel, sand, bottom to SWL, grouted SWL to top
 - Well over-drilled casing-screen-grout-filter pack removed borehole grouted from bottom to top
 - Hole drilled, well not set, plugged.
- Was well disinfected? (*)
 - Yes
 - No
- Work Start Date(*)
- 4. Work End Date (*)
- 5. Screened from Depth (ft)
- 6. Screened to Depth (ft)
- 7. Total Depth (ft)
- 8. Casing Diameter (in)
- 9. Casing Material:
 - Concrete
 - Iron
 - Multiport PVC
 - Natural Formation
 - Open Hole
 - PE(polyethylene)Tubing

- PTFE(Teflon)
- PVC
- Steel
- Steel -Galvanized
- Steel Stainless
- Tile

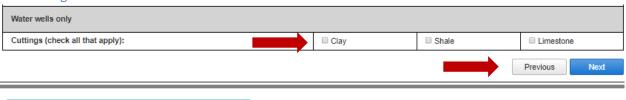
Sealing Material:



- 1. From Depth (ft)
- 2. To Depth (ft)
- 3. Description (Sealing Material) Select One
 - Bentonite Chips
 - Bentonite (Granular)
 - Bentonite (Pellets)
 - Cement neat
 - Concrete

- DGA
- Mixture bentonite/Cement grout
- Sand
- Washed Gravel

Cuttings



• Check all that apply for cuttings present in decommission/plugging process.

Once finished hit Save to complete at a later date, Previous to go back or Next to continue to the next screen.

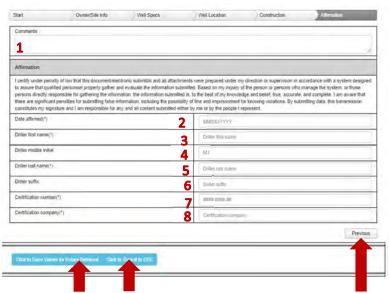
Affirmation

This will always be the same no matter the situation presented:

- 1. Comments
- 2. Date Affirmed (*)
- 3. Driller First Name (*)
- 4. Driller Middle Initial
- 5. Driller Last Name (*)
- 6. Driller Suffix
- 7. Certification Number (*)
- 8. Certification Company(*)

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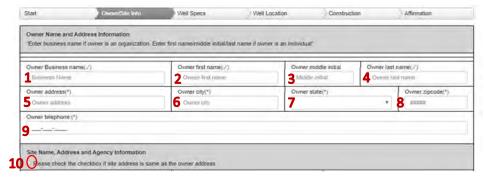


Lost/Destroyed

- Start Purpose
- Owner/Site Info
- Well Specs

- Affirmation
- Lost/Destroyed

Owner and Site Info



- 1. Owner Business name
- 2. Owner first name
- 3. Owner middle initial
- 4. Owner last name
- 5. Owner address (*)
- 6. Owner City(*)
- 7. Owner State (*)

- 8. Owner Zip code (*)
- 9. Owner telephone (*)
- 10. If the Site Name, Address and Agency information is the same as the owner information, check the box to auto-populate the Site Name and Address information

Site name, Address, and Agency Information



- 10. Agency Interest (AI) Number: if known, entering AI will auto-populate site information.
- 11. Program types
 - CERCLA
 - KPDES
 - Mining
 - PWS

- RCRA
- Solid Waste
- UST
- Water Withdraw

- 12. Permit or ID Number
- 15. Site Address (*)
- 18. Site Zip code (*)

- 13. Site Name (*)
- 16. Site City(*)
- 14. Site Telephone number
- 17. Site State (*)

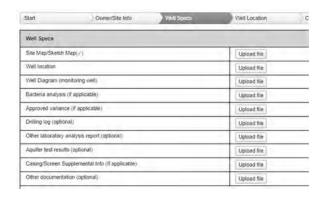
Well Specs

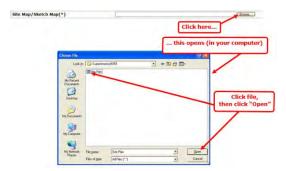
Supporting Documentation

- Site Map/Sketch Map
- Well location
- Well Diagram (monitoring well)
- Bacteria analysis (if applicable)
- Approved variance (if applicable)
- Drilling log (optional)
- Other laboratory analysis report (optional)
- Aquifer test results (optional)
- Casing/Screen Supplemental Info (if applicable
- Other documentation (optional)

How to upload file:

Hit the Upload file button, which will bring up the window to browse to file location and select for upload.





Well Specifications:



- 1. Well Status (*)
 - Is prepopulated as Lost/Destroyed
- 2. Well Condition
 - No Selection option.

Lost/destroyed

- 1. Occurrence date (*)
- 2. Unable to locate?
 - Yes
 - No
- 3. Condition
 - Collapsed
 - Destroyed
 - Excavated
 - Flooded
 - Mined Through
 - Paved Over
 - Vandalized
 - Other: If other, Specify.
- 4. Detail all attempts made to locate well: Comments Box

Lost/Destroyed

100

3

rence date(*

Detail all attempts made to locate the well(/)

5. Describe in detail the conditions of the well and surrounding area: Comments Box.



Once finished hit **Save** to complete at a later date, **Previous** to go back or **Next** to continue to the next screen.

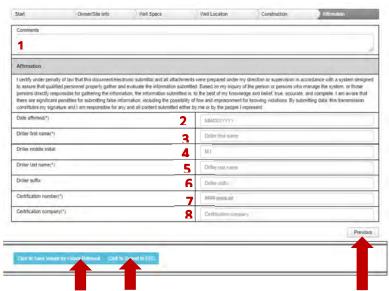
Affirmation

This will always be the same no matter the situation presented:

- 1. Comments
- 2. Date Affirmed (*)
- 3. Driller First Name (*)
- 4. Driller Middle Initial
- 5. Driller Last Name (*)
- 6. Driller Suffix
- 7. Certification Number (*)
- 8. Certification Company(*)

Once completed you have 3 options

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- 2. Save for future retrieval
- 3. Submit to EEC If you have errors within the form somewhere you will be asked to review and correct before it will allow the submission



Well Specs

Unable to locate?

If other, specify (7)

3, if other

Describe in detail the condition of the well and surrounding area(4)

the in detail the condition of the well and sur

2

Reminders

If, for some reason, our database does not show a record that you have submitted, our programmers can track it down using your Submittal ID. You might also need to use your eForm ID to pull up a previous record to use as a template.

We highly recommend using a spreadsheet to keep these IDs on hand. This could be something as simple as the one shown below:

| AI | Site | AKGWA | Submittal ID |
|-------|-----------------|-----------|--------------|
| 69479 | One Stop Market | 8007-3458 | 111251 |
| 69479 | One Stop Market | 8007-3459 | 111264 |
| 69479 | One Stop Market | 8007-3460 | 111266 |
| 58467 | Lowes Gulf | 8007-3436 | 107980 |
| 58467 | Lowes Gulf | 8007-3437 | 107995 |

If You Need More Information...

Again, if you have questions that are not addressed in this document, please contact the Kentucky Water Well Drillers Program (<u>DOWDrillersProgram@ky.gov</u>) and we will be glad to assist you.

Latitude and longitude must be reported in decimal degrees. We have provided you a link to a converter (from degrees-minutes-seconds to decimal degrees) next to the Site Latitude field. Clicking this link will open the converter in a separate window (so you will not lose the information already entered on the eForm) and allow you to convert your coordinates. Copy-and-paste your coordinates into the latitude and longitude fields on the eForm, then close the separate window.



You must include a negative sign with the longitude (e.g., -84.206738)



Be sure to leave the 'N' and 'W' prefixes in the latitude and longitude fields before clicking 'Convert' or you will not get correct values!