User Reference Guide

UIC Project Wells List Spreadsheet

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COURSE OVERVIEW

Course Description
How to populate the Underground Injection Control (UIC) Project Wells List spreadsheet.

Lesson Objectives:
- Populate the UIC Project Wells List Spreadsheet.
- Access the Wells Lists for an Existing UIC Project.

1.1 New Project; Populate the UIC Project Wells List Spreadsheet

The UIC Project Wells List spreadsheet allows data to be easily uploaded to the new version of the UIC Application for Injection Approval form in WellSTAR. CalGEM users download the uploaded spreadsheet from the Document Upload section of the Application for Injection Approval form. They use the spreadsheet to partially populate the internal Electronic Data Deliverable (EDD) spreadsheet to complete the well review process for both project injection wells and Area of Review (AOR) wells.

CalGEM UIC program will post the UIC Project Wells List template online. Please check the CalGEM website frequently to get the most current version of template.

API	Proposed	WellType	Description	Intersection Latitude	Intersection Longitude	Intersection Depth (ft)	Planned Use	Wellbore Code

Figure 1 UIC Project Wells List Spreadsheet – Part I

Field	Area	Pool	Pool Fracture Gradient (psi/ft)	Top Perf./Confining Pt. TVD (ft)	Injection Method	Operational MASP (psi)	Max. Daily Injection Rate	Max. Cumulative Volume	County

Figure 2 UIC Project Wells List Spreadsheet – Part II

Step	Action	Required Fields
1.	Download the template spreadsheet provided on CalGEM website.	
2.	Fill out the data fields on "Project Wells List" tab of the UIC Project Wells List spreadsheet, including **project injection well, AOR well,** and/or **proposed well**. <u>NOTE</u>: For proposed wells, in the "Proposed" column, enter "**PRP**" if the well does not exist yet and is being proposed. If well does exist, leave blank.	• **Required Fields** for: a) **Existing injectors**: API, Wellbore Code, Field, Area, Pool, Pool Fracture Gradient, Top Perf. /Confining Pt. TVD. b) **Existing AOR wells**: API c) **Proposed injectors:** Proposed (PRP), WellType, Description, Intersection Latitude, Intersection Longitude, Intersection Depth, County. d) **All wells**: Planned Use (Injection or Area of Review). • **Optional**: Injection Method, Operational MASP, Max. Daily Injection Rate, Max. Cumulative Volume.

Step	Action	Required Fields
3.	Upload the completed UIC Project Wells List spreadsheet into WellSTAR under Section 6 **Document Upload** on the UIC Application for Injection Approval form.	Document Type: Project Wells List
4.	Complete the Application for Injection Approval form and submit.	

Definitions:
1. **Injector**: A well that will be utilized for this project as an injector. Please note that if a well is an injector for another project, but may influence this project, it would be considered an AOR well in this project.

2. **Area of Review (AOR)**: an area around each injection well that is part of an underground injection project. The area of review shall be proposed by the Operator as part of an underground injection project application or review, but may be specified by the Division depending on project-specific data and any other factors determined by the Division to ensure that the area of review is at least as broad as the area of influence. (CCR 1720.1 (a))

3. **Proposed Well (PRP)**: a well that has not been drilled yet and is planned by the Operator. This well does not currently have an API. These wells will almost always be injectors for the project.

1.1.1 Additional Instructions on Populating UIC Project Wells List Spreadsheet

- The UIC Project Wells List spreadsheet can be renamed when saved if the file extension is not changed.
- Do not change the column order or names. This template mirrors the internal EDD for a streamlined and accurate data transfer. If these are changed, the fields will not align and process correctly when moved into the internal EDD and will required additional steps to correct the format by CalGEM.
- Use the FAP Combinations tab to ensure that the entered Field, Area, and Pool match WellSTAR conventions.
- The requirements of each column are described on the Instructions tab of the UIC Project Wells List spreadsheet. The screenshot above is a visual representation of what data field is required.
  - a) **Required for existing injectors:** API, Wellbore Code, Field, Area, Pool, Pool Fracture Gradient, Top Perf. /Confining Pt. TVD.
  - b) **Required for existing AOR wells**: API
  - c) **Required for Proposed injectors**: Proposed, WellType, Description, Intersection Latitude, Intersection Longitude, Intersection Depth, County.
  - d) **Required for all Wells:** Planned Use.
  - e) **Optional:** Injection Method, Operational MASP, Max. Daily Injection Rate, Max. Cumulative Volume.
- Use the reference code list below to populate the Planned Use and Injection Method data fields.

Code Type	Code
Injection Method	Annulus
Injection Method	Cemented Casing
Injection Method	Other
Injection Method	Tubing
Injection Method	Tubing/Annulus
Injection Method	Tubing/Cups
Injection Method	Tubing/Packer
Planned Use	Injector
Planned Use	Area of Review

1.2 Existing Project; Access the Wells Lists

To modify an existing UIC project, please verify which wells are already associated to the project by reviewing the Project Detail Page. Then, use UIC Project Wells List spreadsheet to only populate information for wells added to the project, or to update or correct data about wells already associated to the project.

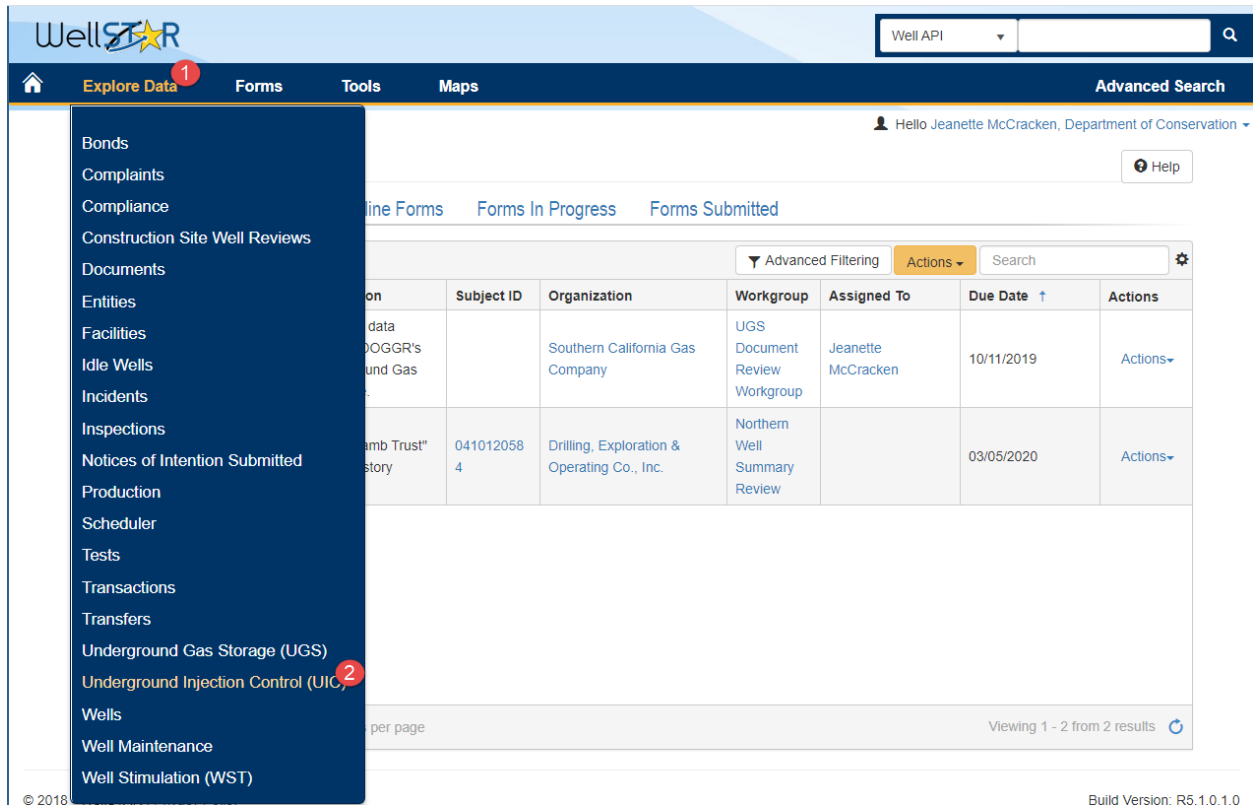### 1.2.1   Access and Export Wells Associated to an Existing Project

Figure 3 Explore Data Dropdown Menu

Step	Action	Required Fields
1.	Click **Explore Data** on WellSTAR home page.	
2.	Select **Underground Injection Control (UIC)**.	

Figure 4 UIC Projects Page

Step	Action	Required Fields
1.	Click **Advanced Filtering**	
2.	Use the advanced filtering to find the specific UIC Project.	
3.	Click the **Project Code** link to view the project detail page.	

Figure 5 UIC Project Detailed Page

Step	Action	Required Fields
1.	Click **Summary.**	
2.	Click **Injection Wells** or **Area of Review** to access the two lists wells currently associated to the UIC project.	

Figure 6 Injection Wells Session of the UIC Project Detailed Page

Step	Action	Required Fields
1.	From either the **Injection Wells** or **Area of Review** grids, click **Actions** button.	
2.	Click **Export-Excel** to export wells list on excel file**.**	
3.	Use the exported excel file to verify the wells that are already associated to the UIC project.	

1.2.2   Populate UIC Project Wells List Spreadsheet for an Existing Project

To modify an existing UIC project, you must verify the wells lists in the project, and then only populate any new and additional wells using the UIC Project Wells List spreadsheet. CalGEM users will transfer uploaded data from the Operator to the internal EDD spreadsheet to complete the well review process.

API	Proposed	WellType	Description	Intersection Latitude	Intersection Longitude	Intersection Depth (ft)	Planned Use	Wellbore Code

Figure 7 UIC Project Wells List Spreadsheet – Part I

Field	Area	Pool	Pool Fracture Gradient (psi/ft)	Top Perf./Confining Pt. TVD (ft)	Injection Method	Operational MASP (psi)	Max. Daily Injection Rate	Max. Cumulative Volume	County

Figure 8 UIC Project Wells List Spreadsheet – Part II

Step	Action	Required Fields
1.	Review the wells and associated well data in existing UIC project.	
2.	Fill out the data fields on "Project Wells List" tab of the UIC Project Wells List spreadsheet for **new and additional wells** only. <u>NOTE</u>: For proposed wells, in the "Proposed" column, enter "**PRP**" if the well does not exist yet and is being proposed. If well does exist, leave blank.	• **Required Fields** for: a) **Existing injectors:** API, Wellbore Code, Field, Area, Pool, Pool Fracture Gradient, Top Perf. /Confining Pt. TVD. b) **Existing AOR wells:** API c) **Proposed injectors:** Proposed, WellType, Description, Intersection Latitude, Intersection Longitude, Intersection Depth, County. d) **All wells:** Planned Use. • **Optional**: Injection Method, Operational MASP, Max. Daily Injection Rate, Max. Cumulative Volume.
3.	Upload the completed UIC Project Wells List spreadsheet into WellSTAR under Section 6 **Document Upload** on the UIC Application for Injection Approval form.	Document Type: Project Wells List
4.	Complete the Application for Injection Approval form and submit.	