# INJECTION WELL PLUGGING PLAN 40 CFR 146.92(b)

**INSERT PROJECT NAME**

|  |
| --- |
| **INSTRUCTIONS**  This template provides a suggested outline and recommendations for the Injection Well Plugging Plan. Permit applicants are not required to use this template. This document does not substitute for promulgated provisions or regulations, nor is it a regulation itself, and it does not impose legally-binding requirements on the U.S. Environmental Protection Agency (EPA), states, or the regulated community.  Note that references to EPA’s Class VI Rule in the code of federal regulations (CFR) are provided in this template. States with Class VI primacy have requirements that are at least as stringent as EPA’s. If your Class VI well is in a primacy state, consult your permitting authority about any additional requirements for what must be included in the plan.  In this template, instructions or suggestions appear in ***blue text***. These are provided to assist with site- and project-specific plan development. These are recommendations and are not required elements of the federal Class VI Rule.  Please delete the ***blue text*** and replace the yellow highlighted text before submitting your document. Similarly, please adjust the example text and tables throughout as necessary (e.g., by adding or removing rows or columns). Appropriate figures, references, etc. should also be included to support the text of the plan.  Remember that, pursuant to 40 CFR 146.94(a) of the federal Class VI Rule, the requirement to maintain and implement an approved Injection Well Plugging Plan is directly enforceable regardless of whether the requirement is a condition of the permit. For more information, see EPA’s Class VI guidance documents at <https://www.epa.gov/uic/class-vi-guidance-documents>. It is the responsibility of the owner or operator to maintain records of previous revisions to this plan.  To avoid duplicative reporting, you are encouraged to provide relevant cross-references to other submissions made with the GSDT. |

## Facility Information

Facility name: INSERT FACILITY NAME  
INSERT WELL NUMBER

Facility contact: INSERT CONTACT NAME/CONTACT TITLE  
INSERT ADDRESS  
INSERT PHONE NUMBER/EMAIL ADDRESS

Well location: INSERT CITY, COUNTY, STATE   
INSERT LAT/LONG COORDINATES

INSERT PERMIT APPLICANT NAME will conduct injection well plugging and abandonment according to the procedures below.

## Planned Tests or Measures to Determine Bottom-Hole Reservoir Pressure

*[Recommended considerations include:*

* *What tests or methods will be used to determine bottom-hole reservoir pressure? (Provide a list of steps or similar description.)]*

## Planned External Mechanical Integrity Test(s)

INSERT PERMIT APPLICANT NAME will conduct at least one of the tests listed in Table 1 to verify external mechanical integrity prior to plugging the injection well as required by 40 CFR 146.92(a).

*[Recommended considerations include:*

* *What are the specific procedures that will be followed for each type of test? (Provide a list of steps or similar description.)*
* *What gauges or other equipment will be used? What is the range, precision, etc. of the equipment?*
* *What will constitute a “pass” or “fail” for each test?]*

Table 1. Planned MITs.

|  |  |
| --- | --- |
| **Test Description** | **Location** |
| INSERT Test 1 |  |
| INSERT Test 2 |  |
| INSERT Test 3 |  |
| *Add rows as needed* |  |

## Information on Plugs

INSERT PERMIT APPLICANT NAME will use the materials and methods noted in Table 2 to plug the injection well. The volume and depth of the plug or plugs will depend on the final geology and downhole conditions of the well as assessed during construction. The cement(s) formulated for plugging will be compatible with the carbon dioxide stream. The cement formulation and required certification documents will be submitted to the agency with the well plugging plan. The owner or operator will report the wet density and will retain duplicate samples of the cement used for each plug.

*[Recommended considerations include:*

* *What methods will be used for volume calculations?]*

Table 2. Plugging details.

| **Plug Information** | **Plug #1** | **Plug #2** | **Plug #3** | **Plug #4** | **Plug #5** | **Plug #6** | **Plug #7** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Diameter of boring in which plug will be placed (Insert units) |  |  |  |  |  |  |  |
| Depth to bottom of tubing or drill pipe (Insert units) |  |  |  |  |  |  |  |
| Sacks of cement to be used |  |  |  |  |  |  |  |
| Slurry volume to be pumped (Insert units) |  |  |  |  |  |  |  |
| Slurry weight (lb./gal) |  |  |  |  |  |  |  |
| Calculated top of plug (Insert units) |  |  |  |  |  |  |  |
| Bottom of plug (Insert units) |  |  |  |  |  |  |  |
| Type of cement or other material |  |  |  |  |  |  |  |
| Method of emplacement (e.g., balance method, retainer method, or two-plug method) |  |  |  |  |  |  |  |

## Narrative Description of Plugging Procedures

### Notifications, Permits, and Inspections

In compliance with 40 CFR 146.92(c), INSERT PERMIT APPLICANT NAME will notify the regulatory agency at least 60 days before plugging the well and provide updated Injection Well Plugging Plan, if applicable.

*[Recommended considerations include:*

* *Will any other notifications, permits, or inspections be needed?]*

### Plugging Procedures

*[Recommended considerations include:*

* *What are the specific procedures that will be followed? (Provide a detailed list of steps and a representative schematic.)*
* *What contingency procedures/measures will be used?]*