



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8**

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UNDERGROUND INJECTION CONTROL PROGRAM

Draft Class V Permit
Ten-Year Permit Renewal

Class V Shallow System/Injection Well

Permit No. CO52205-00000

Issued to:

Smithfield Hog Production
dba Murphy Brown LLC
806 West 8th Avenue
Yuma, Colorado 80759

Date Prepared: August 30, 2021

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I. AUTHORIZATION TO OPERATE A CLASS V WELL; AUTHORIZATION TO INJECT

Pursuant to the Underground Injection Control (UIC) Regulations of the U. S. Environmental Protection Agency codified in Title 40 of the Code of Federal Regulations (40 CFR) Parts 124, 144, 146, and 147,

Smithfield Hog Production
dba Murphy Brown LLC
806 West 8th Avenue
Yuma, Colorado 80759

hereby referred to as the "Permittee" is authorized to inject backwash water from arsenic removal filters at nine drinking water treatment plants into the Class V injection wells located at the nine sites listed in Table 1 and shown on the maps in Appendices A and B. Under no circumstance should any other commercial or industrial waste product be injected into the above-mentioned injection wells.

This Permit is based on representation made by the applicant and on other information contained in the Administrative Record. Misrepresentation of information or failure to fully disclose all relevant information may be cause for: termination, revocation and reissuance, modification of this Permit and/or formal enforcement action. It is the Permittee's responsibility to read and understand all provisions of this Permit.

The authorization to inject is issued for a period of ten (10) years from the date it becomes effective, unless the Permit is terminated as provided in Part III, B.1. The Permit also may be terminated upon delegation of primary enforcement responsibility for the Class V UIC Program to the State of Colorado.

Please be advised that this Permit only authorizes underground injection in accordance with the specific terms of the Permit. Compliance with the terms of this Permit does not annul, alter or exempt the Permittee from complying with other applicable federal, state or local laws, regulations or requirements.

Issued this day of _____.

This Permit shall become effective _____.

DRAFT

Angelique D. Diaz, Ph.D., P.E.
Acting Chief, Safe Drinking Water Branch
Water Division

Draft Class V Area Permit CO52205-00000

II. SPECIFIC PERMIT CONDITIONS

A. GENERAL

The EPA Permit number the UIC Program Director has assigned to this Permit is CO52205-00000. All correspondence should reference the site name and address and include the EPA Permit number. Throughout this Permit the term “Director” refers to either the Safe Drinking Water Branch Chief of the Water Division or the Water Enforcement Branch Chief of the Enforcement and Compliance Assurance Division.

1. Copies of all reports and notifications required by this Permit for the purpose of any Permitting action must be signed and certified in accordance with the requirements under Part III, E.9 of this Permit, and must be submitted to EPA at the following address. For the purposes of issuing Permitting actions or authorization to commence injection, the person at EPA having this authority is the UIC Program Director.

U.S. Environmental Protection Agency - Region 8
Safe Drinking Water Branch Chief, Mail Code: 8WD-SDU
1595 Wynkoop Street
Denver, Colorado 80202-1129

2. Copies of all reports and notifications required by this Permit after the effective date of this Permit must be signed and certified in accordance with the requirements under Part III, E.9 of this Permit, and must be submitted to EPA at the following address. For the purposes of assessing for compliance and initiating enforcement actions, the person at EPA having this authority is the UIC Compliance Director.

U.S. Environmental Protection Agency – Region 8
Water Enforcement Branch Chief, Mail Code: 8ENF-WSD
1595 Wynkoop Street
Denver, Colorado 80202-1129

B. SHALLOW INJECTION WELL CONSTRUCTION

1. Construction Requirements. No owner or operator must construct a Class V injection well in a manner that allows the movement of fluid containing any contaminant into underground sources of drinking water, if the presence of that contaminant may cause a violation of any primary drinking water regulation under 40 CFR part 142 or may otherwise adversely affect the health of persons.
2. Class V Well Construction Design. The Class V wells that will be used for the disposal of arsenic filter backwash water will be constructed according to the design in Appendix A. The perforations in the Coyote Run and Gaytan Class V wells must be set at or below 34 inches below ground surface, below the B2tb horizon of the Haxtun loamy sand, where fine to very fine roots occur.

3. Proposed Changes. The Permittee must not make any alteration or addition to the injection system prior to approval of the modification by the Director in accordance with 40 CFR § 144.52(a)(1). An alteration or addition must be considered any work performed that affects the quantity or quality of the fluid being injected, or changes in the design of the injection system from the construction design indicated in the permit application. After approval by the Director, the Permittee must provide plans, as-built schematics sketches, or other test data, to EPA within sixty (60) days of completion of the alteration or addition that took place.

C. CORRECTIVE ACTION

No corrective action is required before the effective date of this Permit.

D. SHALLOW INJECTION WELL OPERATION AND MAINTENANCE

No owner or operator must operate or maintain a Class V injection well, or conduct any other injection activity, in a manner that allows the movement of fluid containing any contaminant into underground sources of drinking water, if the presence of that contaminant may cause a violation of any primary drinking water regulation under 40 CFR part 142 or may otherwise adversely affect the health of persons.

1. Injection Location. Injection must be limited to the nine Class V arsenic filter backwash disposal wells located at the facilities listed in Table 1.

Table 1. Class V well sites and locations in Yuma County

UIC Well Number	Facility name	Location
12191	Anchor	NESW Sec 31 T1S R48W
12192	Big Sky	SWSE Sec 30 T1S R48W
12193	Coyote Run	SESW Sec 8 T1S R47W
12194	Gaytan	NWSW Sec 8 T1S R47W
12195	Horizon	NESW Sec 19 T1S R48W
12196	Horseshoe	NWSW Sec 29 T1S R48W
12197	Sandhill	SWNW Sec 29 T1S R48W
12198	Sigmon's	SWSE Sec 6 T1S R47W
12199	Tree Row	SWSE Sec 8 T1S R47W

The locations of the facilities are shown in the maps included in Appendix B; the location of the Class V disposal well at each facility is shown in the maps included in Appendix C.

2. Injection Fluid Limitation. No substances other than sanitary waste and backwash water from arsenic removal filters at the drinking water treatment plants must be injected unless allowed by Permit modification. The Permittee must not inject any hazardous substances, as defined by 40 CFR, Part 261, at any time during the operation of the facility. Any unauthorized injectate must be considered a violation of this Permit and may result in an enforcement action.

3. Waste Fluid Analyses and Limits. At each facility, fluid samples must be collected from the discharge line prior to release to the Class V injection well. 40 CFR Part 141 specifies analytical methods that must be used for compliance monitoring under UIC Permits. Fluid samples must be analyzed for **total arsenic** using the analytical methods shown in Appendix D. Alternative analytical methods may be used with approval by the EPA before sample analyses are performed. The laboratory must provide Quality Control information to verify that the alternative analytical method is equivalent to the approved drinking water method. The laboratory performing the analyses for compliance monitoring under this Permit must be approved by the State Drinking Water Program to perform these analytical methods.

The analytical results must meet the Permit limit for **total arsenic** included in Appendix D. If an analysis of the waste fluid shows that the waste fluid exceeds this Permit limit, the Permittee must notify EPA within twenty-four (24) hours, per Part III, E.10(c) of this Permit. The Permittee must collect and analyze a follow-up sample within a month and report the results to EPA.

4. Surfacing of Fluids. If, at any time, there is fluid on the top of the ground surface resulting from the Class V well overflowing or not percolating into the subsurface, the Permittee must conduct maintenance to correct the situation. Maintenance should include excavating the top of the Class V well, removing the lid and flushing clean water through the gravel. The gravel may need to be removed and rinsed clean and the perforations may need to be scrubbed clean.
5. Best Management Practices. The Permittee must operate the facility in such a way that best environmental management practices are followed. These best management practices are intended to significantly reduce contaminants migrating into the ground water. These best management practices include:
 - (a) The backwash cycle for the arsenic filters must be set to last long enough that the effluent from the drain line is clear, to prevent the arsenic removal media from becoming fouled with sediment, and to ensure that the filters perform efficiently to achieve maximum arsenic removal.
 - (b) The volume of water flowing through the arsenic filters will be metered in order to determine when the filter has reached the maximum capacity of arsenic that can be loaded onto the filter.
 - (c) Once the arsenic filters have reached the maximum capacity for efficient arsenic removal, the filters must be replaced and disposed of in a manner in compliance with federal, state, and local regulations and requirements.

E. SAMPLING, REPORTING OF RESULTS, AND NOTIFICATION REQUIREMENTS

1. Shallow Injection Well Sampling Program. The Permit requires that backwash fluid samples be collected by the Permittee, or a representative of the Permittee, annually from the discharge line prior to release into the Class V injection well. Such sampling techniques must be utilized so that the fluid sample is representative of the injectate released to the subsurface, and so the sample can be analyzed with EPA approved drinking water or equivalent methods. The analyzing laboratory must utilize EPA methods indicated in

Appendix D (or other methods that have been approved by the Director in advance) to make determinations of **total arsenic**.

The Permittee must notify the Director in advance of any modifications in procedures that might result in changes in chemical components of the fluid waste stream. After reviewing the proposed changes, the Director may add additional monitoring requirements as deemed necessary for the protection of underground sources of drinking water.

Whenever there is a change in the composition of injection fluids, the Permittee must collect another fluid sample within thirty (30) days and submit the analytical results to the Director no later than one (1) week after the Permittee receives the analytical results from the laboratory.

2. Sampling Information. Records of any monitoring activity required under this Permit must include:

- (a) The date, exact place, and the time of fluid sampling;
- (b) The name of the individual(s) who performed the fluid sampling;
- (c) A certification by the individual(s) who performed the sampling as to the date, exact place, and the time of the sampling;
- (d) The name and address of the laboratory that performed the analysis of the fluid;
- (e) The exact sampling method(s) used to take the samples;
- (f) The date the fluid sample was sent to the laboratory;
- (g) The date(s) laboratory analyses were performed;
- (h) The name of the individual(s) who performed the analyses;
- (i) The analytical techniques or methods and quality control used by laboratory personnel; and
- (j) The results of the analyses.

3. Reporting of Results. The Permittee must report analytical results of samples collected and analyzed according to Part II, D.3 annually. The next sampling report is due within one year of the preceding annual report event under the previous Class V Area Permit.

The Permittee must report analytical results from sampling performed within thirty (30) days of an approved change in waste stream components to the Director no later than one week after the Permittee receives the analytical results from the laboratory.

4. Permit Limits. The Permittee must inject only the fluids specified in Part II, D.2. These fluids are subject to the analytical requirements of Part II, D.3. Appendix D shows the **total arsenic** Permit limit. Any unauthorized injectate or non-compliance with a condition of this Permit will be considered a violation of this Permit and may result in an enforcement action. Any exceedances of the total arsenic Permit limit may be considered a violation of this Permit and may result in an enforcement action.

5. Notification Requirements. The release of an unauthorized fluid as described in Part II, D.2 into the Class V shallow disposal system shall be considered a Permit violation subject to

enforcement action. Any such incidents shall be reported to EPA within twenty-four (24) hours in accordance with Part III, E.10(c).

F. RECORD KEEPING

1. Record Retention Requirement. The Permittee shall retain records of all monitoring activity and results (whether or not required by this Permit) and other information required by this Permit for the time periods specified below. These time periods may be extended at the request of the Director at any time. The following types of records should be retained.
2. Records to Retain and Retention Time.
 - (a) All data required to complete the Permit application for this Permit for a period of at least three (3) years after the Permit application was submitted.
 - (b) Copies of all reports required by this Permit for at least three (3) years after the reports were submitted.
 - (c) Records regarding the nature and composition of all injected fluids. The Permittee shall continue to retain these records for a period of three (3) years after the closure of the injection well system unless the records are delivered to the Director or written approval to discard the records is obtained from the Director. This period may be extended by request of the Director at any time.
 - (d) Records of monitoring information as specified under Part II, E.2.

G. PLUGGING AND ABANDONMENT

1. Plugging and Abandonment Requirements. The method for plugging and abandonment of any shallow injection well shall not allow the movement of a fluid containing any contaminant into any underground source of drinking water (USDW), if the presence of that contaminant may cause a violation of the primary drinking water standards under 40 CFR Part 141, other health-based standards, or may otherwise adversely affect the health of persons.
2. Notice of Plugging and Abandonment. The Permittee shall notify the Director in writing and provide a Plugging and Abandonment Plan at least thirty (30) calendar days before plugging and abandonment of the Class V disposal system. The Plugging and Abandonment Plan must meet the requirements found in G.1 above.
3. Plugging and Abandonment Plan Approval. The Permittee shall plug and abandon the well as provided in the Plugging and Abandonment Plan. The Plugging and Abandonment method must be approved by EPA prior to the plugging and abandonment of the shallow injection well. EPA reserves the right to change the manner in which the shallow injection well will be plugged and abandoned if it is deemed that the designated closure method is not protective of any USDW.
4. Cessation of Injection Activity. After a cessation of injection for two (2) years, the Permittee shall plug and abandon the well in accordance with the Plugging and Abandonment Plan unless the Permittee:
 - (a) provides notice to the Director;

- (b) demonstrates that the well will be used in the future; and
 - (c) describes actions or procedures satisfactory to the Director that will be taken to ensure that the well will not endanger underground sources of drinking water during the period of temporary abandonment.
5. Plugging and Abandonment Report. Within sixty (60) calendar days after plugging the well, the Permittee shall submit a narrative report to the Director. The person who performed the plugging operation shall certify per the requirements found in Part III, E.9 that the report is accurate.

The report shall consist of either:

- (a) a statement that the well was plugged in accordance with the approved Plugging and Abandonment Plan; or
- (b) a statement that the actual plugging procedures differed from the plan, including the different procedures that were followed with supporting justification for the selected closure method.

III. GENERAL PERMIT CONDITIONS

A. EFFECT OF PERMIT

The Permittee is allowed to engage in underground injection in accordance with the conditions of this Permit. The Permittee, as authorized by this Permit, shall not construct, operate, maintain, convert, plug and/or abandon, or conduct any other injection activity in a manner that allows the movement of contaminated fluid into any USDW, if the presence of that contaminant may cause a violation of any primary drinking water regulation under 40 CFR, Part 141 or otherwise adversely affect the health of persons. Any underground injection activity not authorized in this Permit or otherwise authorized by Permit or rule is prohibited.

Issuance of this Permit does not convey property rights of any sort or any exclusive privilege; nor does it authorize any injury to persons or property, any invasion of other private rights, or any infringement of other federal, state or local laws or regulations. Compliance with the terms of this Permit does not constitute a defense to any enforcement action brought under the provisions of Section 1431 of the Safe Drinking Water Act (SDWA); or any other law governing protection of public health or the environment for any imminent and substantial endangerment to human health, or the environment; nor does it serve as a shield to the Permittee's independent obligation to comply with all UIC regulations.

B. PERMIT ACTIONS

1. Modification, Reissuance or Termination. This Permit may be modified, revoked and reissued, or terminated either at the request of any interested person (including the Permittee) or upon the Director's initiative. However, permits may only be modified, revoked and reissued, or terminated for the reasons specified in 144.39 or 144.40. All requests shall be in writing and shall contain facts or reasons supporting the request. Also, the Permit is subject to minor modifications for cause as specified in 40 CFR, Section 144.41. The filing of a request for a

permit modification, revocation and reissuance, termination, the notification of planned changes, or anticipated noncompliance on the part of the Permittee does not stay the applicability or enforceability of any permit condition.

2. Transfers. This Permit is not transferable to any person except after notice is provided to the Director and the requirements of 40 CFR, Section 144.38 is complied with. The Director may require a modification or revocation and reissuance of the Permit to change the name of the Permittee and incorporate such other requirements as may be necessary under the SDWA.

C. SEVERABILITY

The provisions of this Permit are severable, and if any provision of this Permit or the application of any provision of this Permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this Permit shall not be thereby affected.

D. CONFIDENTIALITY

In accordance with 40 CFR, Part 2 and 40 CFR, Section 144.5, any information submitted to EPA pursuant to this Permit may be claimed as confidential by the submitter. Any such claim shall be asserted at the time of submission by stamping the words "Confidential Business Information" on each page containing such information. If no claim is made at the time of submission, EPA may make the information available to the public without further notice. If a claim is asserted, the validity of the claim shall be assessed in accordance with the procedures in 40 CFR, Part 2 (Public Information). Claims of confidentiality for the following information will be denied:

- The name and address of the Permittee; and
- Information about the existence, absence, or level of contaminants in drinking water.

E. GENERAL DUTIES AND REQUIREMENTS

1. Duty to Comply. The Permittee shall comply with all conditions of this Permit, except to the extent and for the duration such noncompliance is authorized by an emergency Permit. Any Permit noncompliance constitutes a violation of the SDWA and is grounds for: termination, revocation and reissuance, modification of this Permit, and/or formal enforcement action. Such noncompliance may also be grounds for enforcement action under other statutes.
2. Continuation of Expiring Permit.
 - (a) Duty to Reapply. If the Permittee wishes to continue an activity regulated by this Permit after the expiration date of this Permit, the Permittee must submit a complete application for a new permit at least one hundred and eighty (180) days before this Permit expires.
 - (b) Permit Extensions. The conditions of an expired permit may continue in force in accordance with 5 U.S.C. 558(c) until the effective date of a new permit, if:

- i. The Permittee has submitted a timely application that is a complete application for a new permit; and
 - ii. The Director, through no fault of the Permittee, does not issue a new permit with an effective date on or before the expiration date of the previous permit.
 - (c) Enforcement. When the Permittee is not in compliance with the conditions of the expiring or expired Permit the Director may choose to do any or all of the following:
 - i. Initiate enforcement action based upon the permit that has been continued;
 - ii. Issue a notice of intent to deny the new permit. If the permit is denied, the owner or operator would then be required to cease the activities authorized by the continued permit or be subject to enforcement action for operating without a permit;
 - iii. Issue a new permit under 40 CFR Part 124 with appropriate conditions; or
 - iv. Take other actions authorized by these regulations.
 - (d) State Continuation. An EPA issued permit does not continue in force beyond its expiration date under federal law if at that time a state has primary enforcement authority. A state authorized to administer the UIC program may continue either EPA or state-issued permits until the effective date of the new permits, only if state law allows. Otherwise, the facility or activity is operating without a permit from the time of expiration of the old permit to the effective date of the state-issued new permit.
3. Penalties for Violations of Permit Conditions. Any person who violates any requirement of the UIC Program is subject to enforcement action under Section 1423 of the SDWA (42 U.S.C. Section 300h-2, et seq.). If the violation is willful, criminal penalties and/or imprisonment may result in accordance with Title 18 of the United States Code.
4. Need to Halt or Reduce Activity Not a Defense. It shall not be a defense for a Permittee in an enforcement action that it would have been necessary to halt or reduce the Permitted activity in order to maintain compliance with the conditions of this Permit.
5. Duty to Mitigate. The Permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this Permit.
6. Proper Operation and Maintenance. The Permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) that are installed or used by the Permittee to achieve compliance with the conditions of this Permit. Proper operation and maintenance include, but are not limited to, effective performance, adequate funding, adequate operator staffing and training. This provision requires the implementation of Best Management Practices specified under Part II, D.5 to achieve compliance with the conditions of this Permit.
7. Duty to Provide Information. If at any time, the Director issues a written request for information: to determine whether cause exists for modifying; to revoke and reissue or terminate this Permit;

or to determine compliance with this Permit, the Permittee shall furnish the requested information within the time specified. The Permittee also shall furnish to the Director upon request copies of records required to be kept by this Permit.

8. Inspection and Entry. The Permittee shall allow the Director, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to:
 - (a) Enter upon the Permittee's premises where a regulated facility or activity is located or conducted or where records must be kept under the condition of this Permit;
 - (b) Have access to and copy, at reasonable times, records that must be kept under conditions of this Permit;
 - (c) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Permit; and
 - (d) Sample or monitor at reasonable times, for the purpose of assuring Permit compliance or as otherwise authorized by the SDWA, any substances or parameters at any location.

9. Signatory Requirements. All reports or other information requested by the Director shall be signed and certified as follows:
 - (a) All reports required by this Permit and other information requested by the Director shall be signed as follows:
 - i. for a corporation—by a responsible corporate officer, such as a president, secretary treasurer, or vice president of the corporation in charge of principal business function, or any other person who performs similar policy or decision-making functions for the corporation;
 - ii. for partnership or sole proprietorship—by general partner or the proprietor, respectively; or
 - iii. for municipality, state, federal, or other public agency—by either a principal executive or a ranking elected official.

 - (b) A duly authorized representative of the official designated in paragraph (a) above also may sign only if:
 - i. the authorization is made in writing by a person described in paragraph (a) above;
 - ii. the authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of plant manager, operator of a well or a well field, superintendent, or a position of equivalent responsibility. A duly authorized representative may thus be either a named individual or any individual occupying a named position; and
 - iii. the written authorization is submitted to the Director.

 - (c) If an authorization under paragraph (b) of this section is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of paragraph (b) of this section must be

submitted to the Director prior to or together with any reports, information or applications to be signed by an authorized representative.

- (d) Any person signing a document under paragraph (b) of this section shall make the following certification:

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

10. Reporting of Noncompliance.

- (a) Anticipated Noncompliance. The Permittee shall give advance notice to the Director of any planned changes in the Permitted facility or activity that may result in noncompliance with Permit requirements.
- (b) Compliance Schedules. Reports of compliance or noncompliance with or any progress reports on, interim and final requirements contained in any compliance schedule of this Permit shall be submitted no later than thirty (30) calendar days following each schedule date. The Permittee will be notified by EPA in writing upon being subject to such a compliance schedule.
- (c) Twenty-four (24) Hour Reporting.
- i. The Permittee shall report to the Director any noncompliance that may endanger health or the environment. Information shall be provided, either orally or by leaving a message, within twenty-four (24) hours from the time the Permittee becomes aware of the circumstances by telephoning (303) 312-6211 and asking for the EPA Region 8 UIC Program Compliance and Enforcement Director (during normal business hours), or by contacting EPA Region 8 Emergency Operations Center at (303) 293-1788 (for reporting at all other times).

The following information shall be included in the verbal report:

- Any monitoring or other information which indicates that any contaminant may cause endangerment to a USDW.
 - Any noncompliance with a Permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.
- ii. Written notice of any noncompliance that may endanger health or the environment shall be provided to the Director within five (5) calendar days of the time the Permittee becomes aware of the noncompliance. The written notice

shall contain a description of the noncompliance and its cause; the period of noncompliance including exact dates and times; if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to prevent or reduce recurrence of the noncompliance.

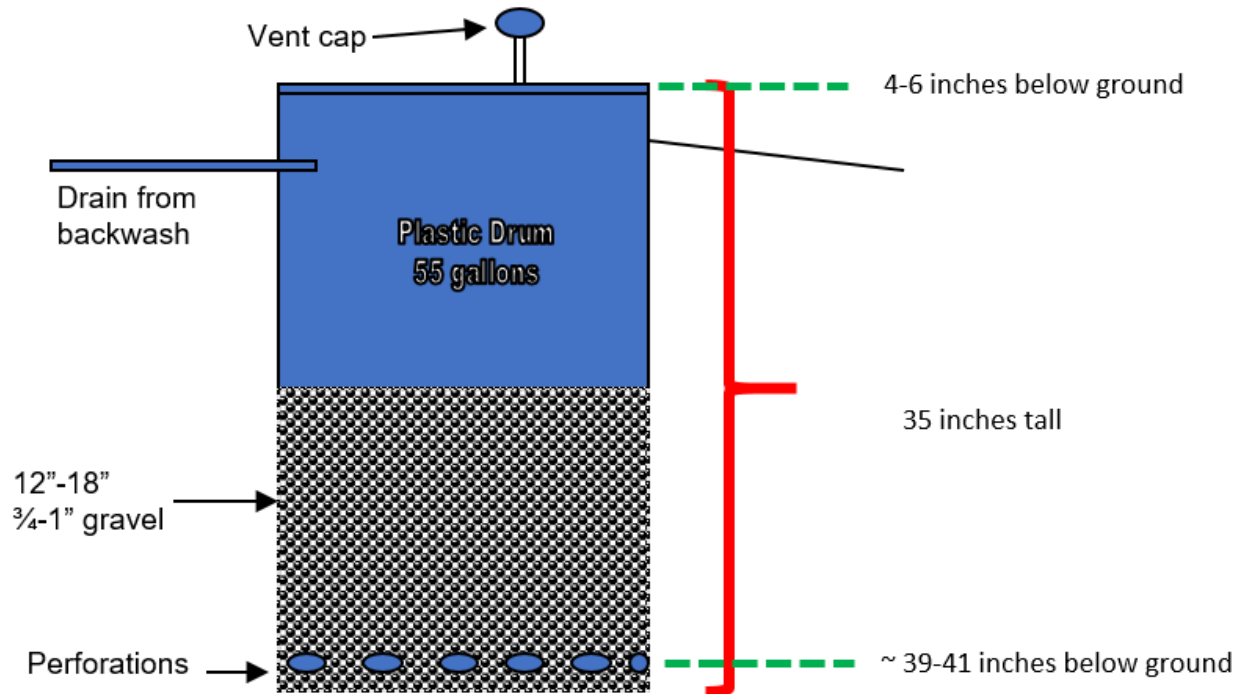
- (d) Other Noncompliance. The Permittee shall report all other instances of noncompliance not otherwise reported at the time of analysis submission. The reports shall contain the information listed in Part III, E.10(c)(i) of this Permit.
- (e) Other Information. When the Permittee becomes aware that any relevant facts were not submitted in the Permit application, or incorrect information was submitted in a Permit application or in any report to the Director, the Permittee shall submit such correct facts or information within fourteen (14) calendar days of the time such information becomes known.

11. Oil Spill and Chemical Release Reporting. The Permittee must comply with all other reporting requirements related to oil spills and chemical releases or other potential impacts to human health or the environment by contacting the National Response Center (NRC) at 1.800.424.8802, or through the NRC website at <https://nrc.uscg.mil/ContactUs.aspx>.

Appendix A
Class V Well Construction Diagram
Arsenic Filter Backwash Disposal Well

Class V Injection Well Design

55 gallon plastic drum, perforated on the bottom section filled with 18 inches of gravel. Will have a lid and vent on it. Removable lib for cleaning.



IWT Class V Injection Well Kit (for drinking water treatment filter backwash water)

- 58 Gallon Pre Drilled Tank, with screw cap.
- 30" vent attaches to the removable cap, 90 degrees and screened.
- 2" bulkhead fitting installed in tank for drain line with a 2" sch 40 pvc male adapter.
- 6" to 4" reducer, 4" 90, 4" to 2", sch 40 pvc funnel assembly for air gap drain assembly (in drinking water treatment plant).
- Gravel to fill the tank ½ full (¾" to 1" rock).



**Appendix B
Facility Location Maps**

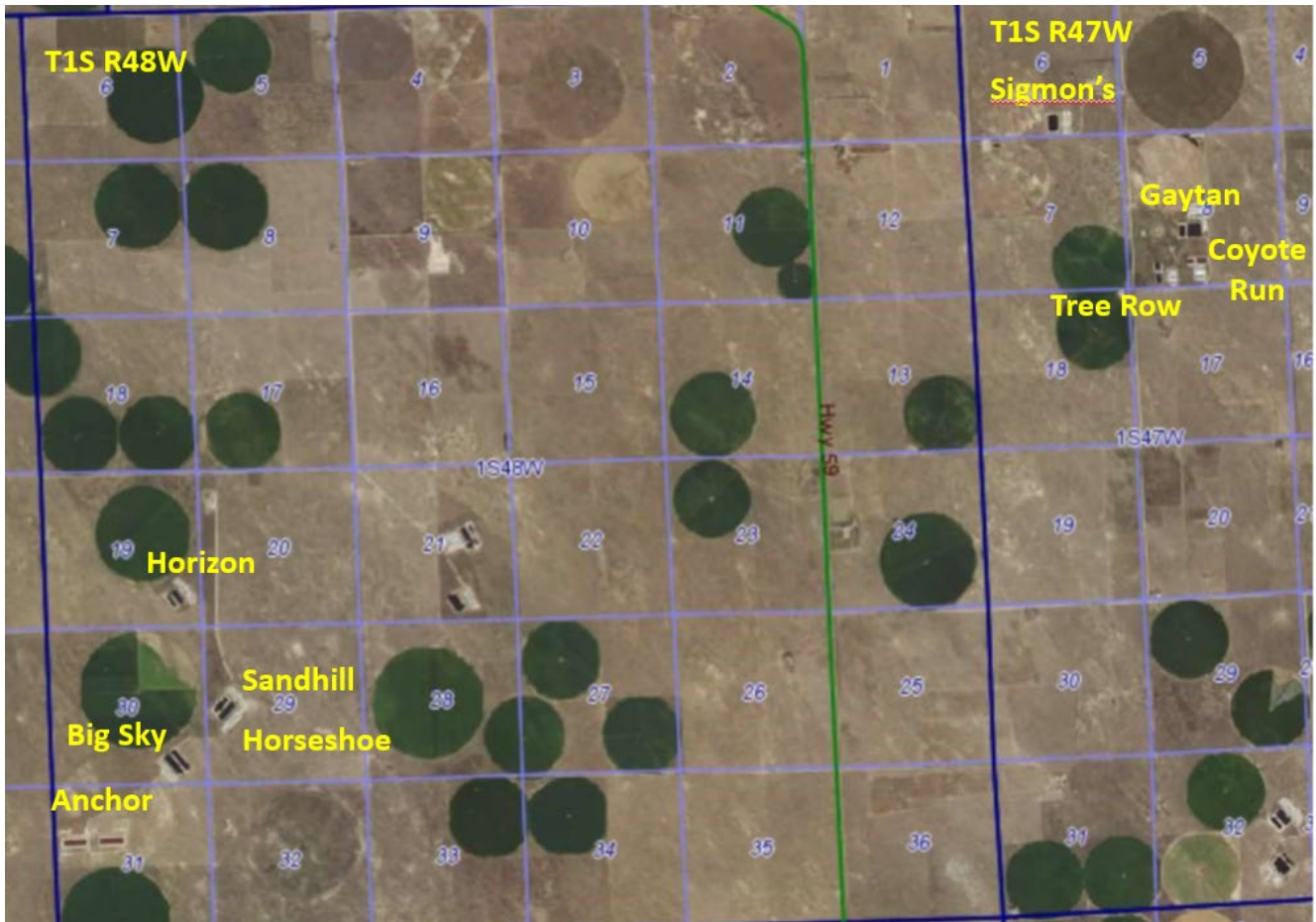


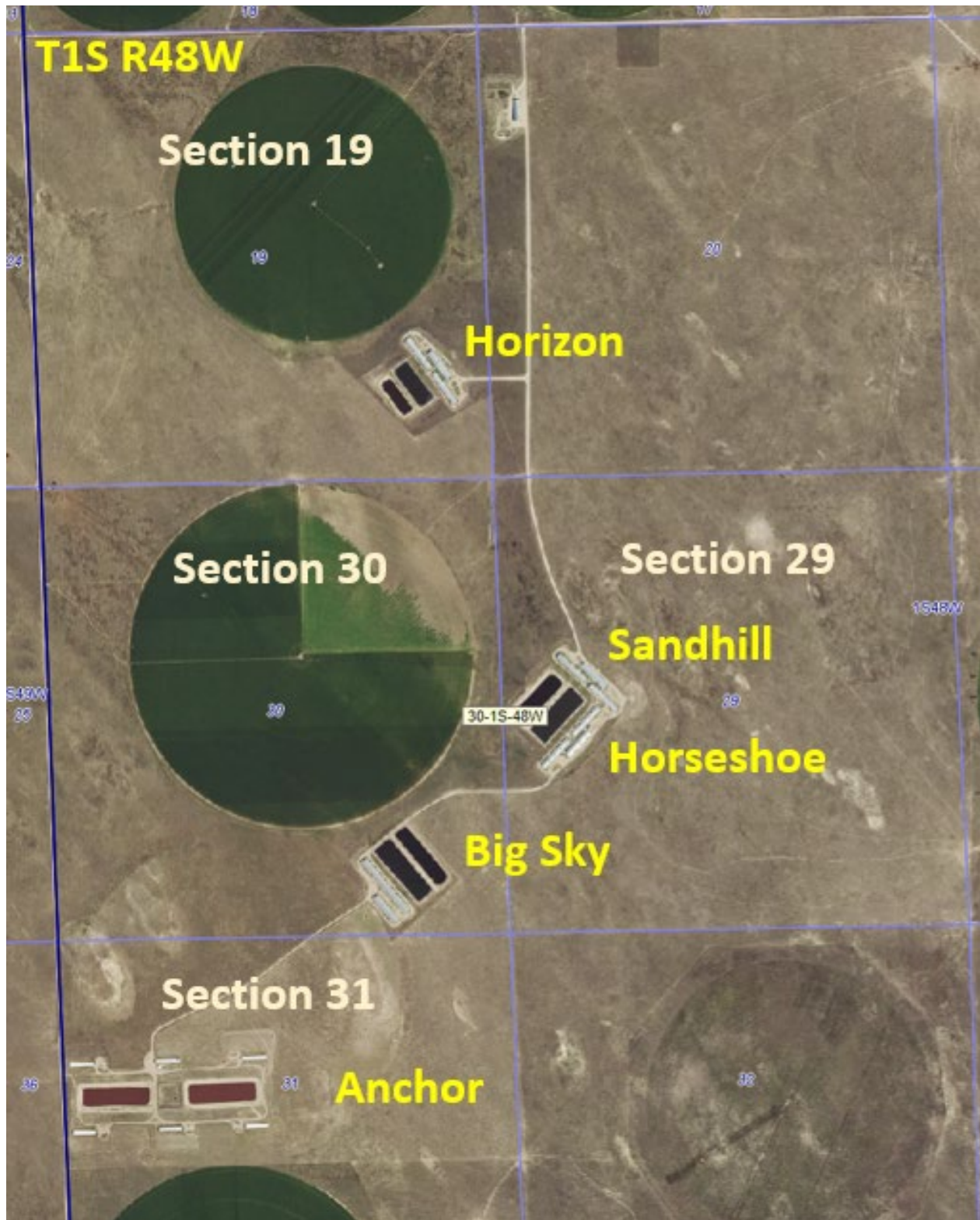
Table A1. Class V well sites and addresses in Yuma County

UIC Well Number	Facility name	Address
12191	Anchor	24786 County Road A, Yuma, CO
12192	Big Sky	716 County Road 27, Yuma, CO
12193	Coyote Run	7455 County Road 28, Yuma, CO
12194	Gaytan	7465 County Road 28, Yuma, CO
12195	Horizon	913 County Road 27, Yuma, CO
12196	Horseshoe	1267 County Road 27, Yuma, CO
12197	Sandhill	1265 County Road 27, Yuma, CO
12198	Sigmon's	29443 County Road H, Yuma, CO
12199	Tree Row	7451 County Road 28, Yuma, CO

**Sigmon's, Gaytan, Coyote Run and Tree Row Facility Locations
in Township 1 South, Range 47 West**



**Horizon, Sandhill, Horseshoe, Big Sky and Anchor Facility Locations
in Township 1 South, Range 48 West**

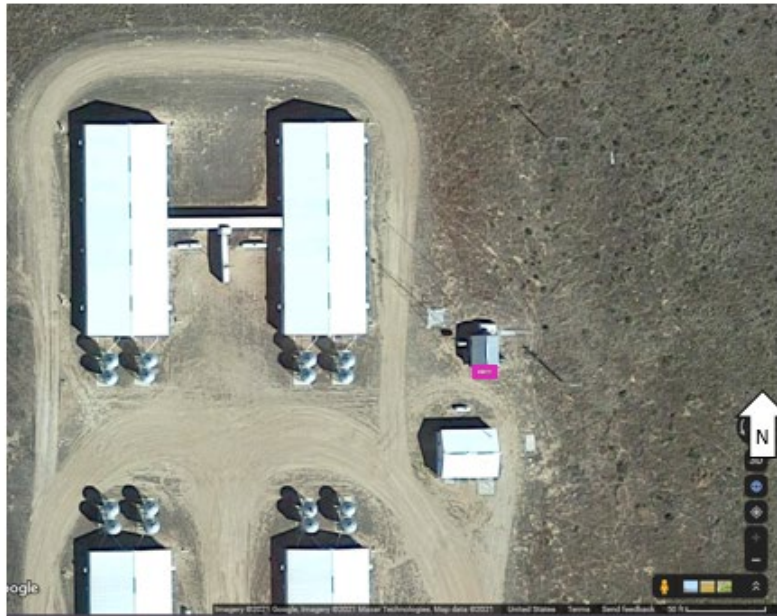



Appendix C
Class V Well Location Maps

SIGMON'S




Proposed
Class V well
location



GAYTAN



Proposed
Class V well
location 



Draft Class V Area Permit CO52205-00000

COYOTE RUN




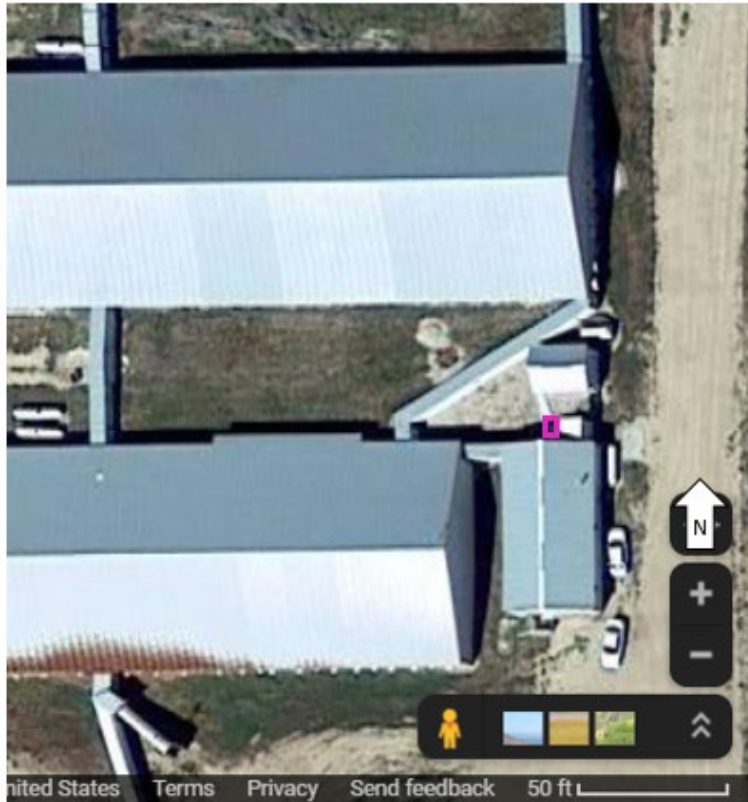
Proposed
Class V well
location



TREE ROW



Proposed
Class V well 
location



HORIZON



Proposed
Class V well
location



SANDHILL



Proposed
Class V well
location



HORSESHOE



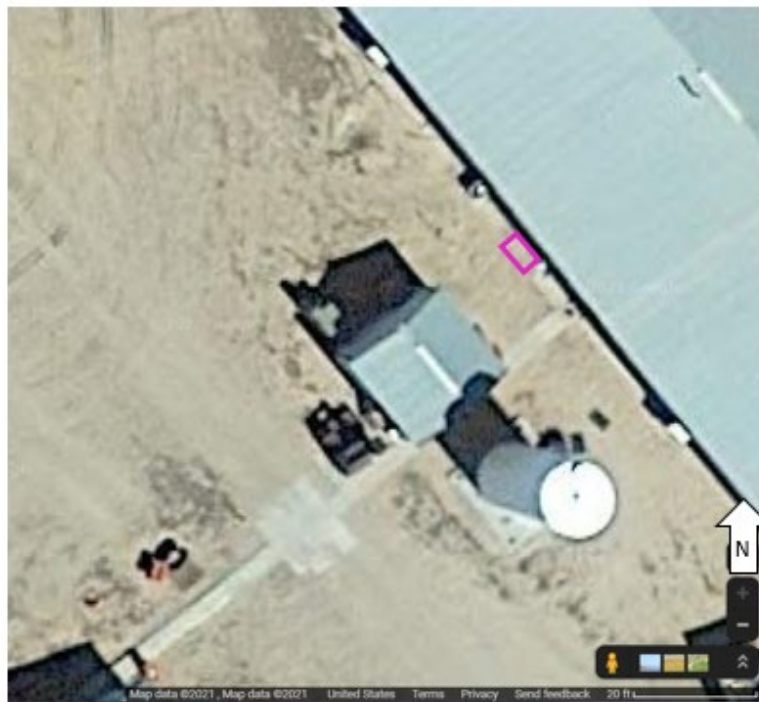
Proposed
Class V well
location



BIG SKY



Proposed
Class V well
location



ANCHOR



Proposed
Class V well
location



Appendix D
Permit Limits and Analytical Methods

Analyte	Permit Limit (mg/L)	Analytical Method	Required Analytical Method Minimum Detection Limit (mg/L)
Total Arsenic	0.01	EPA method 200.8	0.005