

STATE OF UTAH  
DIVISION OF WATER QUALITY  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
SALT LAKE CITY, UTAH

AUTHORIZATION TO DISPOSE OF BIOSOLIDS  
UNDER THE UTAH POLLUTANT DISCHARGE ELIMINATION SYSTEM (UPDES)

In compliance with provisions of the *Utah Water Quality Act, Title 19, Chapter 5, Utah Code Annotated ("UCA") 1953, as amended* (the "Act"),

the Snyderville Basin Water Reclamation District

is authorized to dispose of biosolids (sewage sludge) in accordance with specific limitations, monitoring requirements, management practices and other conditions set forth herein. Authorization to dispose of biosolids is limited by the specific provisions of this permit.

This permit shall become effective June 1, 2004.

This permit and the authorization to dispose of biosolids shall expire at midnight, May 31, 2009.

Signed this 28<sup>th</sup> day of April, 2004.

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Don A. Ostler  
Executive Secretary  
Utah Water Quality Board

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I. SPECIFIC LIMITATIONS AND MONITORING REQUIREMENTS

A. Definitions.

1. "Biosolids" means any material derived from sewage solids that have been biologically treated.
2. "CWA" means the *Clean Water Act* (formerly referred to as either the *Federal Water Pollution Act* or the *Federal Water Pollution Control Act Amendments of 1972*), *Pub. L. 92-500, as amended by Pub. L. 95-217, Pub. L. 95-576, Pub. L. 96-483, Pub. L. 97-117, and Pub. L. 100-4.*
3. "Executive Secretary" means the Executive Secretary of the Utah Water Quality Board.
4. "Dry Weight-basis" means 100 percent solids (i.e., zero percent moisture).
5. "EPA" means the United States Environmental Protection Agency.
6. "Pathogen" means an organism that is capable of producing an infection or disease in a susceptible host.
7. "Pollutant" for the purposes of this permit is an organic substance, an inorganic substance, a combination of organic and inorganic substances, or pathogenic organisms that, after discharge and upon exposure, ingestion, inhalation, or assimilation into an organism either directly from the environment or indirectly by ingestion through the food-chain, could, on the basis of information available to the Administrator of EPA, cause death, disease, behavioral abnormalities, cancer, genetic mutations, physiological malfunctions (including malfunction in reproduction), or physical deformations in either organisms or offspring of the organisms.
8. "Runoff" is rainwater, leachate, or other liquid that drains overland on any part of a land surface and runs off of the land surface.
9. "Total Solids" are the materials in the biosolids that remain as residue if the biosolids is dried at 103 to 105 degrees Celsius.
10. "Treatment Works" are either Federally owned, publicly owned, or privately owned devices or systems used to treat (including recycling and reclamation) either domestic sewage or a combination of domestic sewage and industrial waste of a liquid nature.

11. "Vector Attraction" is the characteristic of biosolids that attracts rodents, flies, mosquitoes or other organisms capable of transporting infectious agents.

B. Description of Biosolids Treatment and Disposal

The authorization to dispose of biosolids provided under this permit is limited to those biosolids produced from the treatment works owned and operated by the Snyderville Basin Water Reclamation District (SBWRD). The method and sites for disposal are specifically designated below.

1. Treatment

Biosolids produced at the SBWRD are result from aerobic processes in oxidation ditches and are de-watered with one belt filter press or three centrifuges.

2. Description of Biosolids Disposal Method

- a. The biosolids are further treated at ET Technolgies for final landfill cover at the Salt Lake Valley Solid Management Facility.
- b. The biosolids are further treated at the permitted R<sup>3</sup> facility for land application for agriculture production.
- c. The biosolids are land filled at a sanitary landfill.

3. Changes in Treatment Systems and Disposal Practices.

Should the SBWRD change their disposal methods or the biosolids generation and handling processes of the plant, the SBWRD must notify the Executive Secretary at least 180 days in advance. This includes, but is not limited to, the addition or removal of any biosolids treatment units (e.g., digesters, de-watering equipment, etc.) and/or any other change that would require a major modification of the permit. This change may be made without additional public notice.

All biosolids land filled must meet the requirements of *40 CFR 258, Utah Administrative Code R315-301-5* and *Section 2.12* of the latest version of the *EPA Region VIII Biosolids Management Handbook*.

C. Specific Limitations and Self-Monitoring Requirements.

All biosolids generated by this facility that are disposed shall meet the requirements of *Part I.C.1, 2 and 3* listed below.

1. Landfill Limitations.

All biosolids land filled must pass a paint filter test.

2. Vector Attraction Reduction Requirements.

All biosolids that are land filled must be covered with soil or another approved material at the end of each operating day for vector attraction reduction.

Minimum Frequency of Monitoring

Amount of biosolids Disposed Per Year	Monitoring Frequency
> 0 to < 290 DMT	One Time Per Year
> 290 to < 1500 DMT	Four times Per Year

Sample collection, preservation and analysis shall be performed in a manner consistent with the requirements of *40 CFR Part 503* and/or other criteria specified in this permit.

II. MONITORING, RECORDING AND REPORTING REQUIREMENTS

- A. Representative Sampling. biosolids samples used to measure compliance with Part I of this Permit shall be collected at locations representative of the quality of biosolids generated at the treatment works and immediately prior to land application.
- B. Monitoring Procedures. Monitoring must be conducted according to test procedures approved under *40 CFR Part 503* unless other test procedures have been specified in this permit.
- C. Penalties for Tampering. The *Act* provides that any person who falsifies, tampers with, or knowingly renders inaccurate, any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than \$10,000 per violation, or by imprisonment for not more than six months per violation, or by both.
- D. Reporting of Monitoring Results.  
The SBWRD shall provide the results of all monitoring performed in accordance with Part I.C., and information on biosolids disposal and certifications shall be provided no later than February 19 of each year. Each report is for the previous calendar year. Legible copies of these, and all other reports required herein, shall be signed and certified in accordance with the Signatory Requirements (see Part IV), and submitted to the Utah Division of Water Quality and the EPA at the following addresses:
- Original to: Biosolids Coordinator  
Utah Division of Water Quality  
P. O. Box 144870  
Salt Lake City Utah, 84114-4870
- Copy to: Biosolids Coordinator, 8P-W-P  
U. S. Environmental Protection Agency  
Region VIII  
999 18th Street, Suite 500  
Denver, Colorado 80202-2466
- E. Additional Monitoring by the Permittee. If the SBWRD monitors any pollutant more frequently than required by this permit, using test procedures approved under *40 CFR 503* or as specified in this permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted on the Biosolids Report form. Such increased frequency shall also be indicated.
- F. Record Keeping

1. If so notified by the Executive Secretary the SBWRD may be required to add additional record keeping if information provided indicates that this is necessary to protect public health and the environment.
2. The SBWRD is required to keep the following information for at least 5 years:

"I certify under the penalty of law, that the vector attraction requirements in Part I.C.2., have been met. This determination has been made under my direction and supervision in accordance with the system designed to assure that qualified personnel properly gathered and evaluated the information used to determine that the vector attraction reduction requirements have been met. I am aware that there are significant penalties for false certification including the possibility of imprisonment."

3. Records of monitoring information shall include:
  - a. The date, exact place, and time of sampling or measurements;
  - b. The initials or name(s) of the individual(s) who performed the sampling or measurements;
  - c. The date(s) analyses were performed;
  - d. The time(s) analyses were initiated;
  - e. The initials or name(s) of individual(s) who performed the analyses;
  - f. References and written procedures, when available, for the analytical techniques or methods used; and,
  - g. The results of such analyses, including the bench sheets, instrument readouts, computer disks or tapes, etc., used to determine these results.
5. The SBWRD shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit and records of all data used to complete the application for this permit for the life of the permit. Data collected on site, copies of Biosolids Report forms, and a copy of this UPDES biosolids-only permit must be maintained on site during the duration of activity at the permitted location.

G. Twenty-four Hour Notice of Noncompliance Reporting.

PART II  
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1. The SBWRD shall report any noncompliance including transportation accidents and spills from the transfer of biosolids which may seriously endanger health or the environment as soon as possible, but no later than 24 hours from the time the SBWRD first became aware of the circumstances. The report shall be made to the Division of Water Quality at (801) 538-6146 or (801) 536-4123 (24-hour answering machine).
  2. A written submission shall also be provided within five days of the time that the SBWRD becomes aware of the circumstances. The written submission shall contain:
    - a. A description of the noncompliance and its cause;
    - b. The period of noncompliance, including exact dates and times;
    - c. The estimated time noncompliance is expected to continue if it has not been corrected; and,
    - d. Steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.
  3. The Executive Secretary may waive the written report on a case-by-case basis if the oral report has been received within 24 hours by the Division of Water Quality, by phone, at (801) 538-6146.
  4. Reports shall be submitted to the addresses in Part II.D., Reporting of Monitoring Results.
- H. Other Noncompliance Reporting. Instances of noncompliance not required to be reported within 24 hours shall be reported at the time that monitoring reports for Part II.D. are submitted. The reports shall contain the information listed in Part II.F.3.
- I. Inspection and Entry. The SBWRD shall allow the Executive Secretary, or authorized representative, upon the presentation of credentials and other documents as may be required by law, to:
1. Enter upon the SBWRD's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
  2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
  3. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this



permit, including, but not limited to, biosolids treatment, collection, storage facilities or area, transport vehicles and containers.

3. Sample or monitor at reasonable times, for the purpose of assuring permit compliance or as otherwise authorized by the Act, any substances or parameters at any location, including, but not limited to, biosolids transfer or staging areas.
4. The SBWRD shall make the necessary arrangements with the landowner or leaseholder to obtain permission or clearance, the Executive Secretary, or authorized representative, upon the presentation of credentials and other documents as may be required by law, will be permitted to enter without delay for the purposes of performing their responsibilities.

III. COMPLIANCE RESPONSIBILITIES

- A. Duty to Comply. The SBWRD must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, modification, or for denial of a permit renewal. The SBWRD shall give the Executive Secretary advance notice of any planned changes at the permitted facility or of any activity which may result in permit noncompliance.
- B. Penalties for Violations of Permit Conditions. The Act provides that any person who violates a permit condition implementing provisions of the Act is subject to a civil penalty not to exceed \$10,000 per day of such violation. Any person who willfully or negligently violates permit conditions of the Act is subject to a fine not exceeding \$25,000 per day of violation; Any person convicted under UCA 19-5-115(2) a second time shall be punished by a fine not exceeding \$50,000 per day. Nothing in this permit shall be construed to relieve the SBWRD of the civil or criminal penalties for noncompliance.
- C. Need to Halt or Reduce Activity not a Defense. It shall not be a defense for the SBWRD 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.
- D. Proper Operation and Maintenance. The SBWRD shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances), including but not limited to, all treatment, transportation, and application equipment which are installed or used by the SBWRD to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by the SBWRD only when the operation is necessary to achieve compliance with the conditions of the permit.

IV. GENERAL REQUIREMENTS

- A. Planned Changes. The SBWRD shall give notice to the Executive Secretary as soon as possible of any planned physical alterations or additions to the permitted facility. Notice is required only when:
1. The alteration or addition could significantly change the nature or increase the quantity of pollutant land applied. This notification applies to pollutants which are not subject to limitations in the permit; or,
  2. The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source.
- B. Anticipated Noncompliance. The SBWRD shall give advance notice to the Executive Secretary of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- C. Permit Actions. This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the SBWRD for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.
- D. Duty to Reapply. If the SBWRD wishes to continue an activity regulated by this permit after the expiration date of this permit, the SBWRD must apply for and obtain a new permit. The application should be submitted at least 180 days before the expiration date of this permit.
- E. Duty to Provide Information. The SBWRD shall furnish to the Executive Secretary, within a reasonable time, any information which the Executive Secretary may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The SBWRD shall also furnish to the Executive Secretary, upon request, copies of records required to be kept by this permit.
- F. Other Information. When the SBWRD becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or any report to the Executive Secretary, it shall promptly submit such facts or information.
- G. Signatory Requirements. All applications, reports or information submitted to the Executive Secretary shall be signed and certified.

1. All permit applications shall be signed by either a principal executive officer or ranking elected official.
2. All reports required by the permit and other information requested by the Executive Secretary shall be signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative only if:
  - a. The authorization is made in writing by a person described above and submitted to the Executive Secretary; and,
  - b. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility, such as the position of plant manager, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters. (A duly authorized representative may thus be either a named individual or any individual occupying a named position.)
3. Changes to authorization. If an authorization under Part IV.G.2. 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 Part IV.G.2. must be submitted to the Executive Secretary prior to or together with any reports, information, or applications to be signed by an authorized representative.
4. Certification. Any person signing a document under this section shall make the following certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

- H. Penalties for Falsification of Reports. The Act provides that any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or noncompliance shall, upon conviction be punished by a fine of not more than \$10,000 per violation, or by imprisonment for not more than six months per violation, or by both.

- I. Availability of Reports. Except for data determined to be confidential under *40 CFR Part 2*, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Executive Secretary. As required by the Act, permit applications, permits and all data necessary to determine compliance with the permit conditions or applicable Federal or State biosolids regulations shall not be considered confidential.
- J. Oil and Hazardous Substance Liability. Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the SBWRD from any responsibilities, liabilities, or penalties to which the SBWRD is or may be subject under *Section 311 of the CWA*.
- K. Property Rights. The issuance of this permit does not convey any property rights of any sort, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.
- L. 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 affected thereby.
- M. Transfers. This permit may be automatically transferred to a new permittee if:
1. The current permittee notifies the Executive Secretary at least 30 days in advance of the proposed transfer date;
  2. The notice includes a written agreement between the existing permittee and the new permittee containing a specific date for transfer of permit responsibility, coverage, and liability between them; and,
  3. The Executive Secretary does not notify the existing permittee and the proposed new permittee of his or her intent to modify, or revoke and reissue the permit. If this notice is not received, the transfer is effective on the date specified in the agreement mentioned in paragraph 2. above.
- N. State or Federal Laws. Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the SBWRD from any responsibilities, liabilities, or penalties established pursuant to any applicable state law or regulation under authority preserved by *Section 510 of the Act* or any applicable Federal or State transportation regulations, such as but not limited to the Department of Transportation regulations.

- O. Reopener Provision. This permit may be reopened and modified (following proper administrative procedures) to include the appropriate biosolids limitations (and compliance schedule, if necessary), management practices, other appropriate requirements to protect public health and the environment, or if there have been substantial changes (or such changes are planned) in biosolids use or disposal practices; applicable management practices or numerical limitations for pollutants in biosolids have been promulgated which are more stringent than the requirements in this permit; and/or it has been determined that the SBWRD's biosolids use or disposal practices do not comply with existing applicable state or federal regulations.