

**FACT SHEET STATEMENT OF BASIS
BEST FRIENDS ANIMAL SOCIETY
OPERATING PERMIT UTOP8001 FOR TREATMENT AND DISPOSAL OF WASTEWATER**

FACILITY CONTACTS

Person Name:	Judah Battista	Person Name:	Bart Battista
Position:	Chief Sanctuary Officer	Position:	Director - Canyon Operations
Phone Number:	(435) 817-7639	Phone Number:	(808) 348-9769
Facility Name:	Best Friends Animal Society		
Facility Mailing Address:	5001 Angel Canyon Road Kanab, UT 84741		
Telephone:	(435) 644-2001		
Actual Address:	5001 Angel Canyon Road Kanab, UT 84741		

DESCRIPTION OF FACILITIES

Best Friends Animal Society (BFAS) is a national animal advocacy non-profit organization headquartered at Sanctuary, which is located in Kane County, Utah north of Kanab, and is comprised of more than 5,800 acres. The majority of the land is undeveloped, including roughly 2,500 acres of land non-contiguous with the Sanctuary's main campus. The BFAS site is bounded by Highway 89 to the west and south and Kanab Creek to the east. All buildings located on the BFAS site are serviced by onsite wastewater systems (OWS) or holding tanks to meet wastewater disposal and treatment needs. These buildings are used for various purposes related to BFAS's animal advocacy mission and for housing of BFAS principal volunteers and benefactors. There are 65 OWS treating approximately 39,030 gallons per day of wastewater and 4 holding tanks with approximately 5,250 gallons of holding capacity existing on the BFAS property.

DESCRIPTION OF DISCHARGE

BFAS acquired or constructed the existing OWS and holding tanks on the BFAS site. All of the existing OWS on the BFAS site were permitted by the Southwest Utah Public Health Department prior to 2019 and discharge below the ground surface in accordance with *Utah Code Annotated (UCA) R317-4*. Facilities where animal operations necessitate periodic cleaning and washdown have 4 separate holding tanks to contain high-strength non-domestic wastewater from these activities. Wastewater from the 4 holding tanks is collected and transported to publicly operated treatment works (POTW) permitted by the Utah Department of Environmental Quality, Division of Water Quality (Division). Solid animal waste is collected and transported to a local landfill.

RECEIVING WATERS AND CLASSIFICATION

The BFAS site sits over two aquifers, called the Navajo and the Lambs Point aquifers, within the Kanab Creek Watershed. According to UCA R317-6-3, these aquifers underneath the BFAS site meet the characteristics of a Class 1A Pristine Ground Water. No culinary wells exist in the aquifer down gradient of the BFAS OWS.

Treated wastewater effluent from approved OWS is permitted to be discharged below the ground surface. Treated wastewater effluent from any OWS may not be discharged to surface waters or upon the surface of the ground.

BASIS FOR GROUNDWATER QUALITY LIMITATIONS FOR SITE

Limitations on total dissolved solids (TDS), Nitrate as N, and total inorganic nitrogen as N (TIN-N) are based on historical analyses and best professional judgement and parameters set forth in a BFAS draft wastewater management plan (WMP) and quantitative analytical results submitted to the Division. BFAS will collect semi-annual samples from culinary wells and springs to measure groundwater quality downslope of the BFAS site. BFAS will monitor Kanab Creek to demonstrate there is no discharge to surface waters and for reference purposes.

Monitoring is required to demonstrate proper OWS operation, regulatory compliance, and groundwater protection. BFAS personnel will monitor operations according to a WMP approved by the Division and to alert the operator of any malfunctions. BFAS will have a State of Utah Certified Onsite Professional of at least Level 2, as described in UCA R317-11, to inspect all OWS locations and equipment at a frequency described in the Division-approved WMP.

BFAS personnel will collect water samples semi-annually as listed in the Division-approved WMP. Water quality shall be monitored via collection of water samples as listed in Table 1, Table 2, and Table 3 below:

1. Water Monitoring Sample Collection Locations

Table 1: Water Monitoring Sample Collection Locations		
Name	Description	Location
<i>Upgradient Monitoring Locations</i>		
Kanab Creek North*	Junction of Peekaboo Trail and Kanab Creek	37.156406° N -112.539189° W
Big Lake Spring	Near Big Lake Meetinghouse on Lake House Road	37.156853° N -112.543405° W
Honeybee Spring	Off ATV trail near Honeybee Pasture	37.153252° N -112.541088° W
<i>Downgradient Monitoring Locations</i>		
Kanab Creek South*	USGS gage on HWY 89	37.100694° N -112.547694° W
Hackleberry Spring	Behind the Rock House	37.125855° N -112.545983° W
Well #2	DDW Source # 13049WS003	37.135531° N -112.543030° W
Well #3	DDW Source # 13049WS009	37.135593° N -112.542654° W

* Samples collected from Kanab Creek locations are from surface water sources and are collected to demonstrate no surface water discharge and as upstream and downstream references.

2. Self-Monitoring Requirements for Water Sampling and Reporting

Table 2: Water Monitoring Frequency, Analytes, and Sample Types for Monitoring Sample Collection Locations*			
Analyte	Frequency	Sample Type	Units
TDS*	Semi-Annual	Grab	mg/L
Nitrate-N	Semi-Annual	Grab	mg/L
TIN-N	Semi-Annual	Grab	mg/L

*TDS samples are not required from surface water sample collection locations.

3. Water Quality Limitations

Table 3: Water Quality Limitations for Downgradient Monitoring Locations*	
Analyte	Limitation
TDS*	500 mg/L
Nitrate-N	5.0 mg/L
TIN-N	5.0 mg/L

*TDS samples are not required from surface water sample collection locations.

If the Action Level (3.0 mg/L TIN-N) is exceeded as described in Part I.C(5) of the permit BFAS must take the action described including submission or a report for possible actions to lower Nitrate levels for Director review and approval.

If the Protection Level (5.0 mg/L TIN-N) is exceeded as described in Part I.C(5) of the permit BFAS must submit a ground water permit application and may be required to take corrective action in accordance with R317-6-6(6.15).

BIOSOLIDS

Any septage or sludge collected from any OWS or holding tank shall be managed by a licensed liquid waste operator as defined in UCA R317-550. Waste collected from any OWS shall be disposed at an approved location in accordance with UCA R317-550-7. The State of Utah has adopted the 40 CFR 503 federal regulations for the disposal of septage and sewage sludge (biosolids) by reference.

PRETREATMENT REQUIREMENTS

BFAS is prohibited from having any industrial discharges under this permit.

BFAS is not connected to a POTW. Wastewater from BFAS, either as a direct discharge or as a hauled waste, is subject to Federal, State and local pretreatment regulations. Pursuant to Section 307 of the CWA, the permittee shall comply with all applicable Federal Pretreatment Regulations promulgated at 40 CFR Part 403, the State Pretreatment Requirements at UAC R317-8-8, and any specific local discharge limitations developed by the Publicly Owned Treatment Works (POTW) accepting the wastewaters.

In addition, in accordance with 40 CFR Part 403.12(p)(1), the permittee must notify the POTW, the EPA Regional Waste Management Director, and the State hazardous waste authorities, in writing, if the permittee discharges any substance into a POTW which if otherwise disposed of would be considered a hazardous waste under 40 CFR Part 261. This notification must include the name of the hazardous waste, the EPA hazardous waste number, and the type of discharge (continuous or batch).

STORM WATER REQUIREMENTS

Based on the type of industrial activities occurring at the facility, the permittee may be required to maintain separate permit coverage, or an appropriate exclusion, under the Multi-Sector General Permit (MSGP) for Storm Water Discharges Associated with Industrial Activities (UTR000000). UCA R317-8-3.9 requires storm water permit provisions to include the development of a storm water pollution prevention plan for waste water treatment facilities if the facility meets one or both of the following criteria.

1. Waste water treatment facilities with a design flow of 1.0 MGD or greater, and/or,
2. Waste water treatment facilities with an approved pretreatment program as described in 40CFR Part 403,

The permittee does not meet either of the above criteria; therefore this permit does not include storm water provisions. The permit does however include a storm water re-opener provision.

Separate permit coverage under the Construction General Storm Water Permit (CGP) may be required for any construction at the facility which disturbs an acre or more of land, or is part of a common plan of development or sale that is an acre or greater. A Notice of Intent (NOI) is required to obtain a construction storm water permit prior to the period of construction. This can also be accomplished online: <https://deq.utah.gov/water-quality/general-construction-storm-water-updes-permits>.

BIOMONITORING REQUIREMENTS

No toxicity testing is included in this permit, however this permit may be reopened and modified (following proper administrative procedures) to include whole effluent toxicity (WET) testing, a WET limitation, a compliance schedule, a compliance date, additional or modified numerical limitations, or any other conditions related to the control of toxicants if toxicity is detected during the life of this permit.

REPORTING REQUIREMENTS

Monitoring results obtained during the calendar year (January 1st through December 31st) shall be summarized and submitted to the Division in an annual report. The permittee shall maintain annual reports on file and these shall be made available to the Division upon request. The semi-annual monitoring results from all monitoring locations shall be included in the annual report. Annual reports shall be submitted to the Director by March 28th of the following year.

PERMIT DURATION

It is recommended that this permit be effective for a duration of five (5) years.

Drafted by
Robert Beers, Onsite Wastewater Program
Jennifer Robinson, Pretreatment Requirements
Carl Adams, Stormwater Requirements
Dan Griffin, Biosolids Requirements
Utah Division of Water Quality, (801) 536-4380

PUBLIC NOTICE

Began: November 19, 2021

Ended: December 20, 2021

Comments will be received at: 195 North 1950 West
PO Box 144870
Salt Lake City, UT 84114-4870

The Public Notice of the draft permit was published on the Department of Environmental Quality Division of Water Quality Public Notice website.

During the public comment period provided under R317-8-6.5, any interested person may submit written comments on the draft permit and may request a public hearing, if no hearing has already been scheduled. A request for a public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing. All comments will be considered in making the final decision and shall be answered as provided in R317-8-6.12.

Addendum to Fact Sheet

During finalization of the Permit certain dates, spelling edits and minor language corrections may be completed. Due to the nature of these changes they are not considered major and the permit was not required to be Public Noticed again.

Responsiveness Summary

No comments were received during the public notice period from November 19, 2021 to December 20, 2021.

File: P:\WQ\DWQDatabases\LargeUndergroundSystemDatabase\Project Documents\Best Friends Animal Society
DWQ-2021-015143