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Jim Webb
Director of EHS & Public Affairs
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February 6, 2020

Erica Gaddis
Division Director
Utah Division of Water Quality
195 North 1950 West
P.O. Box 144870
Salt Lake City, UT 84114-4870

Subject: Application for Renewal of Ground Water Discharge Permit UGW010012

Dear Director Gaddis:

This application is for renewal of the above referenced Ground Water Discharge Permit number UGW010012.

1. Administrative Information:

Facility Name: Smithfield Hog Production

UGW010012: Smithfield Bioenergy Plant and Collection System

Mailing Address: P.O. Box 100, Milford, UT 84751

Phone #: (435) 387-6000

Facility Legal Location: The southwest 1/4 of the southeast 1/4 of section 4, Township 30 south, Range 11 west, Salt Lake Base & Meridian.

2. Owner/Operator Information:

Owner Name: Smithfield Hog Production

Official Representative: James W. Webb, Director of EHS

This site consists of an Anaerobic Digester System for all finisher farms in the Skyline Farm Complex, however the entire system has been shut down and inactive since 2007. These farm sites and their anaerobic lagoons are still covered under existing permit UGW010012. The hog barns have shallow concrete pits that discharge into smaller on-farm buffer basins. In previous operations the effluent in the buffer basins was pumped and the wastewater transferred in HDPE pipe to the gravity anaerobic digesters at the Smithfield Bioenergy site. Return water was then pumped back to the farm sites' primary lagoons. Excess Smithfield Bioenergy process water was pumped into the wastewater evaporation basin on-site. As previously stated, the entire system has been dormant since 2007. The buildings, pipelines and waste handling facilities are in good operational condition. The building has

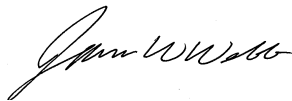
been re-purposed as our Environmental Department headquarters. The pipelines are occasionally used in the Skyline pyramid to transfer and balance levels in primary lagoons.

Even though the facility and operations have been abandoned since 2007, compliance with water quality objectives and the Ground Water Discharge Permit continues due to effluent remaining in the digesters and evaporative lagoon. Compliance is verified by sampling and test results from ground water monitoring wells situated near the anaerobic digesters and evaporative lagoon.

Compliance limits are based on initial testing from upgradient background monitor well testing during the first year of site operation. The compliance limits are listed as follows for each site.

Well Name	N+N	Cl	TDS	HCO3	pH
MDBB1	2.5	34	408	222	6.5-8.5
MDBB2	2.5	34	408	222	6.5-8.5
MUBB	2.5	34	408	222	6.5-8.5
SBMD3	2.5	44	614	222	6.5-8.5
SBMU	2.5	44	614	222	6.5-8.5

James W. Webb
Director of EHS



SIGNATURE

2/6/2020

DATE