



Water quality can be affected by a number of natural elements as well as chemical elements introduced by humans.

What kind of contaminants might reach our rivers and streams?

Contaminants resulting from unwise landscaping practices such as over applying or over watering might include: dirt, leaves, grass clippings, fertilizers, herbicides, and pesticides.

Chemicals from household products from washing your car, painting, or household cleaners.

Toxins such as oil or antifreeze that may leak from your car.

Local recreation areas are affected by storm water contamination and can result in harmful situations for humans and wildlife.

These areas include the Weber River, Ogden River (including North, Middle & South Fork), Pineview Reservoir among others.

In March 1999, the U.S. Department of Agriculture (USDA) and EPA completed a joint national strategy for the management of livestock manure from animal feeding operations. The Strategy divides the animal feeding operation into two categories: AFOs and CAFOs. According to the strategy, all CAFOs must have a pollution discharge permits and comprehensive nutrient management plan, and are subject to regulation under the Clean Water Act.

What is an AFO?

Animal Feeding Operations (AFO) are agricultural operations where animals are kept and raised in confined situations for at least 45 days in a 12-month period. AFOs generally congregate animals, feed, manure, dead animals, and production operations on a small land area. Feed is brought to the animals rather than the animals grazing or otherwise seeking feed in pastures. This also covers pets like horses, chickens, pigs, etc. AFOs are not regulated by themselves unless they become a CAFO.



Concentrated Animal Feeding



Operations.

CAFOs are advanced AFOs. CAFOs are largely determined by the size of the operation and is characterized by large, medium, and small CAFOs. This is not always the case no matter what size your operation is; if it is an AFO, it may be designated a CAFO. If your permitting authority inspects your operation and finds that it's adding pollutants to surface waters, you might need a CAFO permit.

What do I do now?

If you have determined that you are operating a CAFO, you will need to contact the Utah Department of Environmental Quality to get a Utah Pollution Discharge Elimination Systems (UPDES) Permit.

All animal operations are responsible to make sure that they are not polluting water by properly managing waste, manure, wastewater, and prevent any contamination of the stormwater. A few management practices would be:

- Fence animals out of streams or ponds to reduce contamination and manure in water.
- Leave a minimum 30ft buffer strip between manure application and any streams, ditches, wells, or other water bodies. Steep slopes or others sensitive conditions may warrant a wider buffer strip.
- For facilities that do not have adequate land to dispose of manure, consider options such as composting, off-site transport, or conversion to a higher value product.



Remember a facility of any size can be designated a CAFO if pollutants are discharged into water passing across, through, or adjacent to the facility. Also any water that comes into contact with animals or manure must be contained on site. There are many ways to prevent pollution from livestock operations. To find out how to implement a way that best fits your operation needs, contact Natural Resources Conservation Service at 801-629-0580 #26

For more information on AFOs & CAFOs:

State of Utah Department of Agriculture and Food
<http://ag.utah.gov/>

EPA's: Animal Feeding Operation

http://cfpub.epa.gov/npdes/home.cfm?program_id=7

U. S. Department of Agriculture: Animal Feeding Operation

<http://www.nrcs.usda.gov/programs/afo/>

For additional information on Storm Water Protection refer to the following brochures:

- Erosion Control
- Fresh Concrete and Mortar Application
- Household and Vehicle Maintenance
- Impervious Surfaces
- Landscaping, Gardening, and Yard Maintenance
- Paint and Household Hazardous Waste
- Pet Waste Water Quality
- Utah and its Water, Why Conserve
- Water Conservation Inside the Home
- Water Conservation Outside the Home
- Xeriscaping



For more information about the Weber County Storm water quality management program and additional pamphlets, contact:

Weber County Stormwater Management

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www.co.weber.ut.us/stormwater

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Spill Response

Dial 911

-or-

Environmental Health Division of the
 Weber/Morgan Health Department
 (801) 591-7168

State Of Utah
 Environmental Response
 (801) 536-4123

Utah Division of Water Quality
 (801) 538-6146



1-800-458-0145

Used Oil Recyclers
 (for DIYers in Weber County)

Weber County Transfer Station

Auto Zone Stores

Checker Auto Parts Stores

NAPA Auto Parts Stores

Pep Boys Stores

Little Tire & Lube

Jiffy Lube

The preceding list is not all encompassing nor does it constitute an endorsement by Weber County of any particular company

ANIMAL FEED OPERATIONS

&

CONCENTRATED ANIMAL FEEDING OPERATIONS

