

Many people believe that storm water is treated before it is released, but the fact is that most storm water is not treated. Springville City employs many means to handle storm water and disperse it downstream.

## Detention Basins

Detention basins are designed primarily for the purpose of providing storage from runoff and to control downstream flow rates. This is important for flood control. Detention basins can also be used for pollutant treatment. Dry extended flow through detention basins are effective at removing suspended soils and moderately effective at removing nutrients and other metals which have bonded with sediments.

## Wetlands

Wetlands are generally capable of removing pollutants through the processes of sedimentation, filtration, absorption, microbial decomposition and vegetative uptake. With this broad capability, they are generally able to remove sediments, nutrients, oil and grease, bacteria, metals with moderate success. Because of its affinity for sediments, wetlands are capable of intercepting lead with great success, and are fairly capable of removing ammonia, phosphorous and zinc.

## Floatables and Oil/Water Separators

Oil/water separators are designed to remove petroleum based products and floatables from runoff from impervious surfaces before the runoff is conveyed into the storm water system. The idea is simple, oil and other petroleum products are less dense than the water and therefore float. An oil/water separator slows the water down enough to allow oil to collect on top of the catch basin. Springville City crews inspect and clean up these facilities on a regular schedule.



## How Can You Help

While the City is trying to assure the storm water is as clean as possible before being discharged into our streams and Utah Lake we encourage you to:

- Sweep your gutters
- Rake your leaves
- Shovel or blow snow onto your lawn instead of the street
- Pick up litter
- Recycle oil and other petroleum products
- Clean up after your pets
- Dispose of household chemicals responsibly