

OREM CITY

STORM WATER ORDINANCE UPDATE

City Council
General Session
Aug 25, 2015



STORM WATER 101

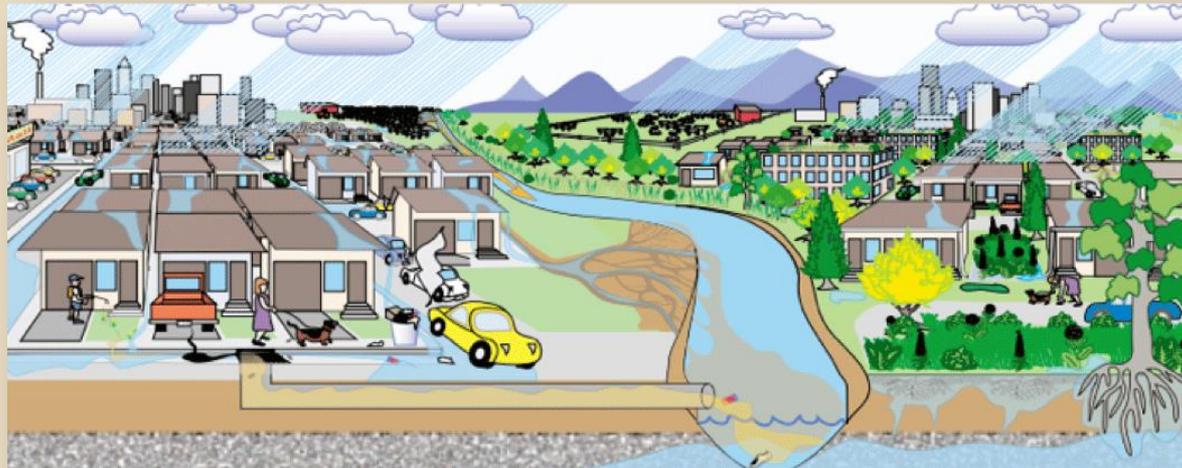
■ Storm water code

- Disasters can occur anywhere, and they often occur when we least expect them. Storm water codes and standards are there to:
 - provide us with ways to prevent their occurrence,
 - manage their impact, and
 - protect us.
- Not just to prevent disasters.
 - Federal and State Law requirement
 - Water quality
 - Clean neighborhoods



STORM WATER 101

- **MS4: Municipal Separate Storm Sewer System**
 - Infrastructure used to convey storm water runoff
 - Roads/sidewalks/curbs/gutters
 - Pipes
 - Sumps
 - Detention basins
 - The owner of the infrastructure that is permitted to discharge runoff.



OREM STORM WATER UTILITY HISTORY

- 1987
 - Congress mandates EPA to control certain storm water discharges.
- 1990
 - Utah issues first permits to large municipalities
- 1996
 - Orem Storm Sewer Utility approved in March
 - Numerous findings
 - Improve water quality
 - Protect health and safety of public
 - Enhance water availability
 - Reduce flooding potential



OREM STORM WATER UTILITY HISTORY

■ 2002

- Utah issues a general permit for discharges from small MS4s
 - Minimum Control Measures
 - Public education and outreach on storm water impacts
 - Public involvement/participation
 - *Illicit Discharge Detection and Elimination (IDDE)*
 - Construction site storm water runoff control
 - *Long-term, post-construction storm water management*
 - Pollution prevention and good housekeeping for municipal operations
 - Storm Sewer Ordinance Update

■ 2010

- Orem's permit is renewed.
 - Defined requirements to make improvements.
 - Update ordinance.

■ 2015

- Orem's permit needs to be renewed.

WHY ARE WE CHANGING THE CODE?

- Come into compliance with UDWQ storm water permit
- Ensure long-term functionality of our system
- Protect environment
- Ensure public safety
- Philosophical approach has changed
 - Treat storm water as a resource rather than a waste product
 - Mirror pre-development hydrology



WHAT IS CHANGING?

- General housekeeping
 - Storm Sewer → Storm Water
- Article 23-4
 - Best management practices
 - Prohibits illegal discharges
 - Prohibits illicit connections
 - Protects watercourses
 - Prohibits pollutant storage and littering



WHAT IS CHANGING?

- Article 23-4 (cont.)
 - Best management practices
 - Protects drinking water sources
 - Clarifies land disturbance permitting process
 - Strengthens post-construction storm water management
 - Requires low impact design (LID) and green infrastructure



WHAT IS CHANGING?

- Article 23-4-8
 - Long-term storm water runoff control
 - Long-term management plans required for development
 - Maintenance agreements
 - Inspection requirements
 - Non-structural maintenance practices
 - Protection of receiving stream
 - Inspection and monitoring
 - Post-construction storm water management



WHAT IS CHANGING?

- **Article 23-5**
 - Clarifies violations
 - Strengthens enforcement and penalties
- **Add text to Article 17-7-10.H**
 - Driveway drainage toward landscaped areas
- **Change Article 22-14-7.B**
 - Front yards of lots landscaped within 6 mo.



WHAT IS CHANGING?

- Add text to Article 22-14-20.F.1.f
 - w/development, SWPPP & Long-term storm water management plan
- Add text to Article 22-14-20.E.7
 - Roof drainage to landscaped areas
- Add text to Article 22-17-8.E
 - Solid waste receptacles should drain to landscaped areas.



SUMMARY

- **Article 23—Storm Water Utility**
 - General Housekeeping
 - Changes made required by Division of Water Quality (DWQ)
 - Strengthen BMPs
 - Ensure long-term storm water runoff control
 - Requires post-construction maintenance
 - Clarifies violations and penalties
- **Article 17 & 22**
 - Ensure long-term storm water runoff control
 - Requirements to retain water on-site.

QUESTIONS?

