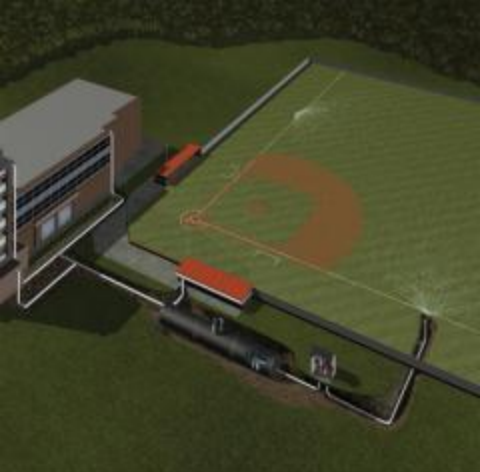




Maintenance Procedures: OEPA Alternative BMPs for Post Construction Storm Water Quality Controls



Why should we care about storm water pollutants?



Why should we care about storm water pollutants?





**Approximately 80% of all
sites will have land-
based, vegetated storm
water treatment!**



Bio-Retention Cell





Grassed Linear Bio-retention





Bio-Infiltration Ditch



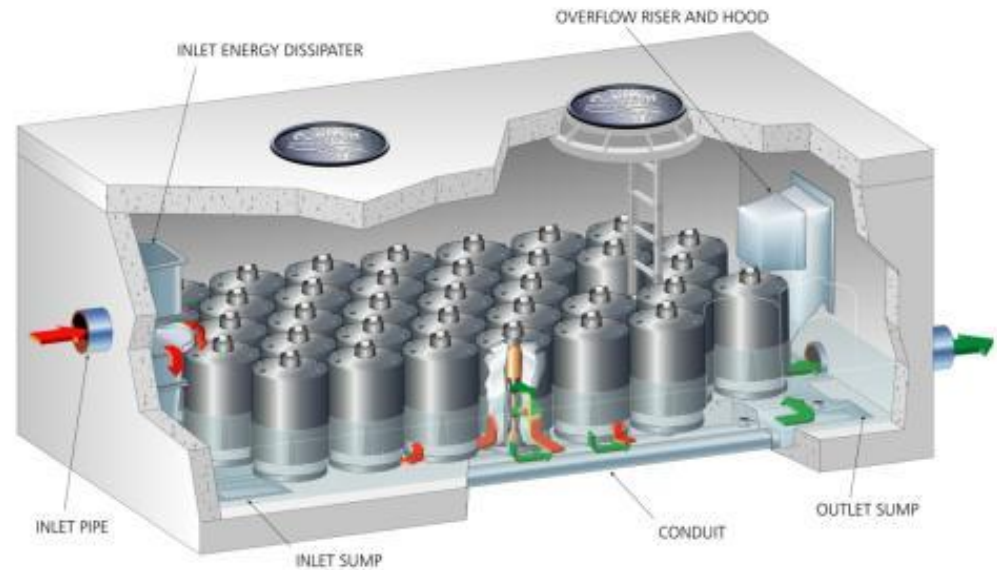
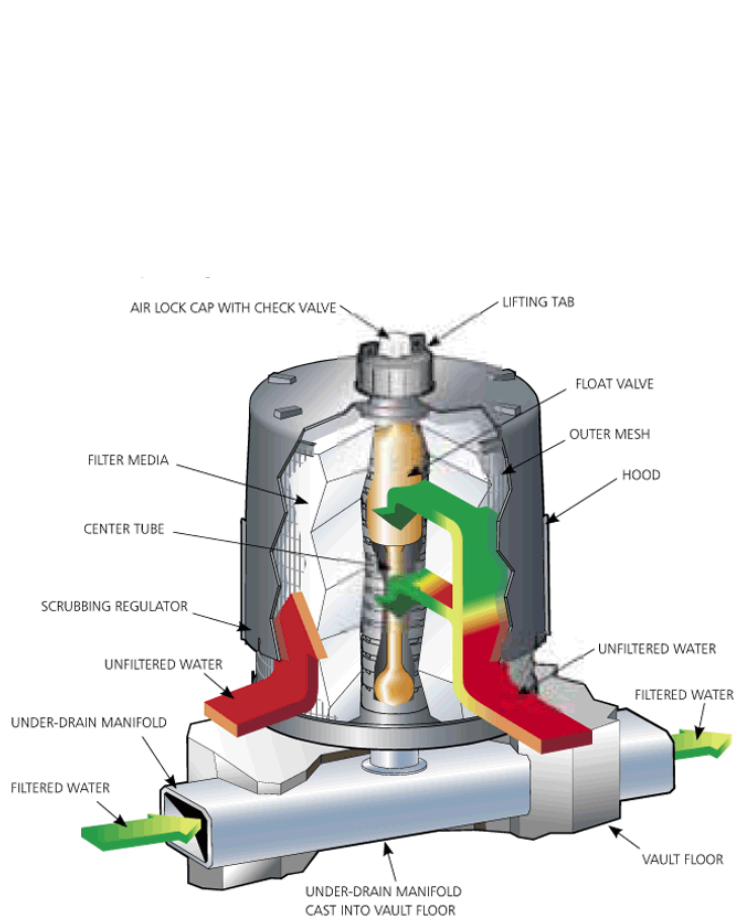


Alternative Storm Water BMPs

- **Urbanized settings**
- **Manufactured or Pre-fabricated**
- **Buried applications**
- **Often requires a vacuum truck for maintenance**



Stormwater Management StormFilter[®]





StormFilter with Upstream Volume Control





Beachwood, Ohio - 2010





Beachwood, Ohio - 2010





StormFilter Maintenance

- **Regular inspection intervals**
- **Filter replacement and vault cleaning**
- **Documentation and reporting**



Regular Inspection Intervals





StormFilter Maintenance





StormFilter Maintenance with Vacuum Truck





Documentation & Reporting

- **Date maintenance performed**
- **Quantify amount of sediment removed from BMP**
- **Describe other maintenance items**
- **Explain pollutant disposal methods**



Examples of Other Manufactured BMPs



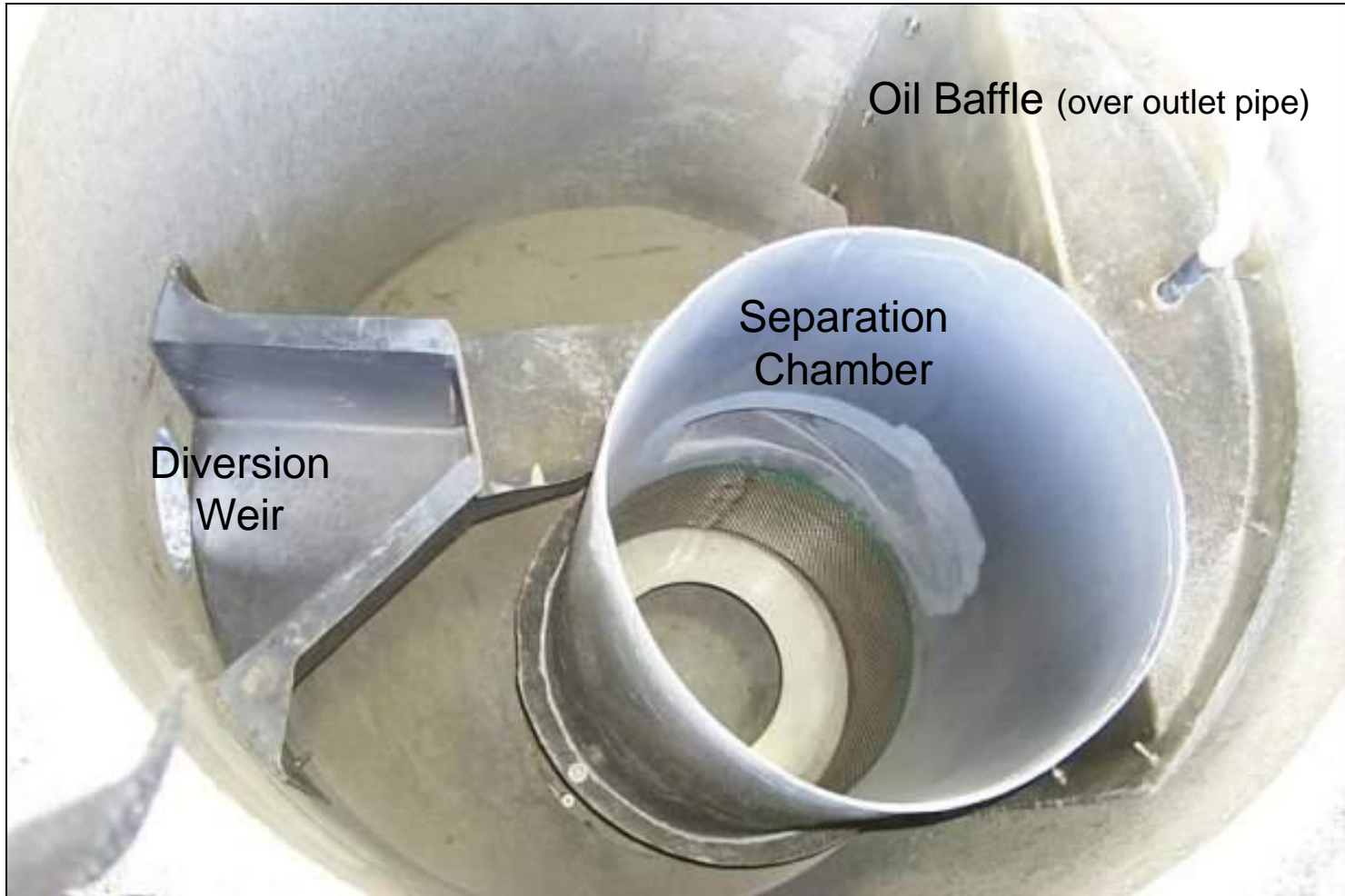


Examples of Other Manufactured BMPs





Examples of Other Manufactured BMPs





Examples of Other Manufactured BMPs





Examples of Other Manufactured BMPs





Examples of Other Manufactured BMPs





Questions from Audience

