3rd Party Construction Inspection - Lessons Learned
EPA- 2013 Audit

• CCH’s MS4 NPDES Program was audited by USEPA in April 2013
• Potential permit violations or deficiencies in current training program identified
• Identified the need for a dedicated third party storm water construction inspection program

Highest training priorities!
3rd Party Construction Inspections

Purpose

• Meet the NPDES MS4 permit requirement.

• Assess the adequacy and effectiveness of the City inspection program.

• Provide general environmental awareness pertaining to construction activities.
Assessing Program Effectiveness

• Visual observation during inspections.
• Data analysis pulled from CloudCompli reports.
• Observed knowledge increase of contractors and City staff from training (online, onsite, handouts).
• Project scoring when added to CloudCompli will allow us to assess projects without placing weight on size or time length.
Inspection Overview

• Coordinate with City inspectors, PM, engineers, and site Contractors to schedule our inspections.
• Perform monthly site inspections.
• Assess observed deficiencies, and discuss with Contractor.
• Provide suggestions & recommendations for stormwater management and compliance.
• Write the report in CloudCompli- online database.
• Follow up on corrective actions with assistance from DFM SWQ Branch.
Onsite Training

• Walking together = Learning.
Data Analysis

CloudCompli data analysis allows us to query any information documented within a report field.

• Total deficiencies over time.
• Deficiencies by individual Contractor over time.
• Deficiencies by BMP type or category.
• Deficiencies by City Department/Division over time.
• Response times for corrective actions implemented.
Deficiencies 2016-2017
Waste Management

Erosion Control

Sediment Control
Deficiencies by BMP type
Top Deficiencies

• Concrete Waste Management.
• Storm Drain Inlet Protection.
• Material Delivery and Storage.
• Spill Prevention and Control.
Concrete Waste Management
Storm Drain Inlet Protection
Storm Drain Inlet Protection
Tracking Soils Offsite
Exposed Soils
Spill Prevention
Goals

• Continued improvement as a project progresses.
• Contractors showing less deficiencies from project to project.
• Seeing Contractors utilizing our recommendations and suggestions to be compliant.
• Analysis showing a reduction in total BMP deficiencies.
• Using results of our 3rd Party Construction Inspection program to better inform our technical training program objectives.