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

  Highest training priorities!

• Identified the need for a dedicated third party storm water construction inspection program
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
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.