Solving NPDES Regulatory Requirements by Leveraging the AGO Platform

Ray de León, GISP
JMT Technology Group

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AGENDA

• VDOT MS4 Program & Challenges
• ArcGIS Online
• Roadmap for the Field Data Collection
PROJECT TEAM

EEE Consulting, Inc.
JMT Technology Group
Louis Berger Group, Inc.
NPDES REGULATORY REQUIREMENTS

• General permit for MS4 Pursuant
  – 9VAC25-890-40

• Clean Water Act (CWA)
  – 33 USC § 1251 et seq

• Virginia Stormwater Management Act
  – 62.1-44.15:24 et seq.
CUA – KINGSPORT, TN-VA
CHALLENGES - FIELD INSPECTION
VDOT MS4 – GIS SOLUTION

- ArcGIS to **model and predict** MS4 outfalls
- VDOT’s ArcGIS Online
- Collector App
GIS Analysis - MS4 TARGET MODEL
OUTFALL IDENTIFICATION
ARCGIS ONLINE
FIELD INSPECTION – COLLECTOR APP
COLLECTOR – SIMPLE MENU

- GPS Location
- Layers
- Measure Tool
- Basemap Selector
- Map Views
- Bookmarks
- Search Tool
- Collection Tool
COLLECTOR – DIRECTIONS
STANDARDIZED REPORTS
LESSONS LEARNED

• Clearly define the DB schema
• Use Tiling Package
• Plan your Web map service
• Set your permission
• Pre-plan Offline collection
ROADMAP

- Complete IDDE Inspections
- 2nd Validation Inspections
- Stormwater BMP Inspections
- Robust form
- Integrate with Operations
THANK YOU
CONNECT WITH US...

Ray de León, GISP
Project Manager
JMT Technology Group
RdeLeon@JMTTG.com

Web | www.jmttg.com
Twitter | @JMTTG
LinkedIn | JMT Technology Group