YOUser Training

Lucity Web

2014 Lucity User Conference

Jerry Biedenbender, GIS Coordinator

SD1

Background

- SD1
  - Service area
    - Boone, Kenton, & Campbell Counties
      - These counties boarder the Ohio river
  - Sewer
    - 1,600 +/- miles of sanitary sewer lines
    - 46,000 +/- Sanitary Structures
    - 121 pump Stations
    - 15 flood Stations
    - 3 Regional Treatment Plants
    - 8 Small Package Plants
  - Storm
    - 437.5 +/- Miles of Storm Pipe
    - 31,758 +/- Storm Structures

Background Continued

1999 purchased GBA in – (January)

1999 Completed implementation – (November)

2011 Purchased Lucity Web in – (November)

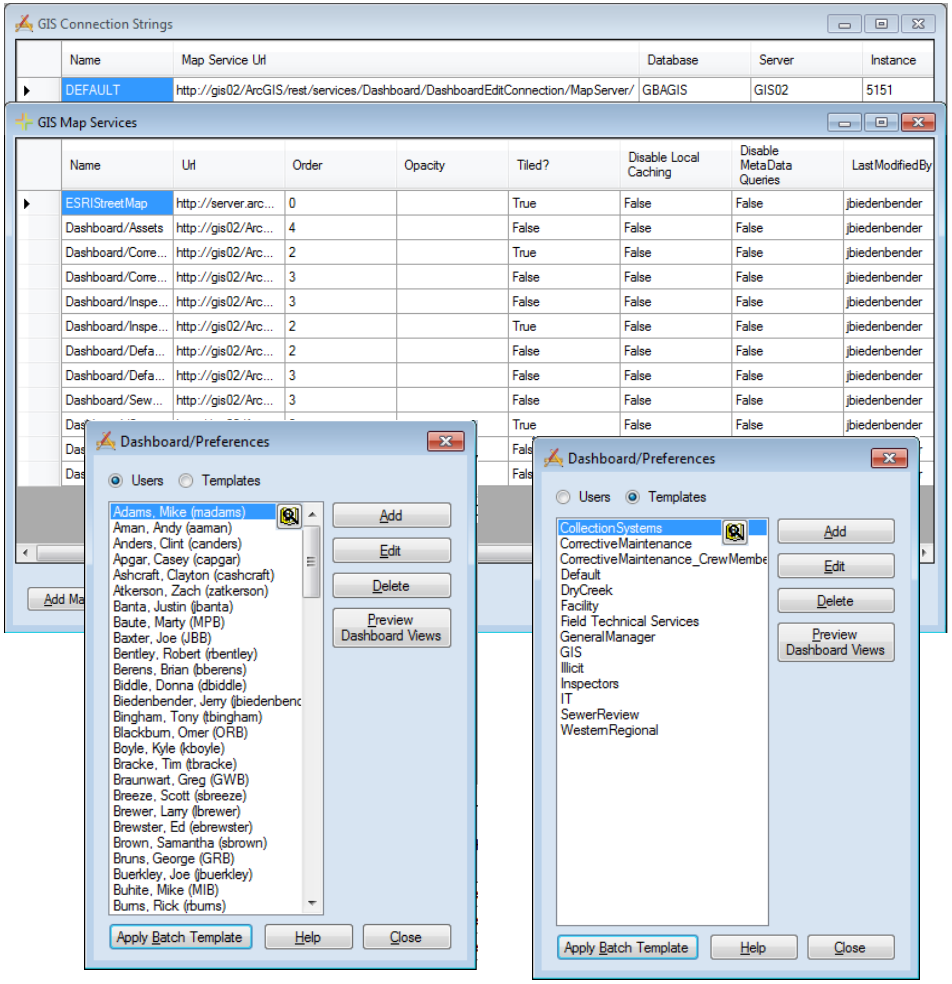
2012 Implemented Lucity Web – (January)

2014 Configuring mobile Android – (January)

Modules

- Work
- Sewer
- Storm
- Equipment
- Fleet
- Facility
- Mobile
- Warehouse
- General
- GIS

Dashboard Progress



August 2012

- 229 people setup with dashboard
- 19 different templates
- 7 different map groups
- 17 ArcServer Services
- 76 “Shared Tabs”
- 85 customized Forms
- 119 customized Views

Where to start?

- 250 +/- Lucity Users within SD1
- Different types of users
  - Categorize and locate them.
- Identify departments
  - Make a list
- Set priorities and develop an action plan

10 steps to moving to Lucity Web

- Step 1
  - Choose a department and meet with the manager
- Step 2
  - Create Views/Grids/Forms
- Step 3
  - Set Securities
- Step 4
  - ArcGIS Server
    - Create Map Services
    - Add ArcServer services to (GIS map services) in lucity admin tools
- Step 5
  - Configure map setup
- Step 6
  - Setup Templates and apply shared tabs
- Step 7
  - Assign groups to forms
- Step 8
  - Configure menu's
- Step 9
  - Get organized
- Step 10
  - Training Training Training

Step 1 - Meet with the manager

- Choose fields (Packets)
- Choose employees
- Discuss map layers
- Discuss needs
- Decide on a layout
- Create and identify filters

Dashboard Layout

Illicit Page

Illicit Status – (Illicit discharge)

Total number of illicits (Category: Illicit)
Detection (Status: Detection)
Investigation (Status: Investigation)
Enforcement (Status: Enforcement)
Completed (Status: Complete)
Remediated (Remediation Method: In list = Best Management Practices, Clean up, Disconnected, DOW, IHD, No Discharge, Other, Repaired)
Notifications (Remediation Method: In list = DOW, IHD)
No discharge (Remediation Method: Equal = No discharge)

PCI – (Storm structures)

Total number of PCI outfalls (NKPDES Permit? = 1)
Annual total number Inspected – needed a subset or advanced qry
PCI Under investigation
PCI Revisit
PCI Completed

Work Orders

Work orders created (Requested By: In List = 633, 766, 862; Status Date: Greater Than = 3/1/11)
New Work Order (Requested By: In List = 633, 766, 862; Status Date: Greater Than = 3/1/11/; Status Text: Equal = New Work Order)
Ongoing (Requested By: In List = 633, 766, 862; Status Date: Greater Than = 3/1/11/; Status Text: Equal = On-Going)
Closed in field (Requested By: In List = 633, 766, 862; Status Date: Greater Than = 3/1/11/; Status Text: Equal = Closed In Field)
Completed (Requested By: In List = 633, 766, 862; Status Date: Greater Than = 3/1/11/; Status Text: Equal = Complete)

Sample Inspections – (stream sampling)

Annual number of Sample Records (Sample Date: Between = 12/31/10 and 12/31/11)
Annual number of locations visited – needed a subset or advanced qry

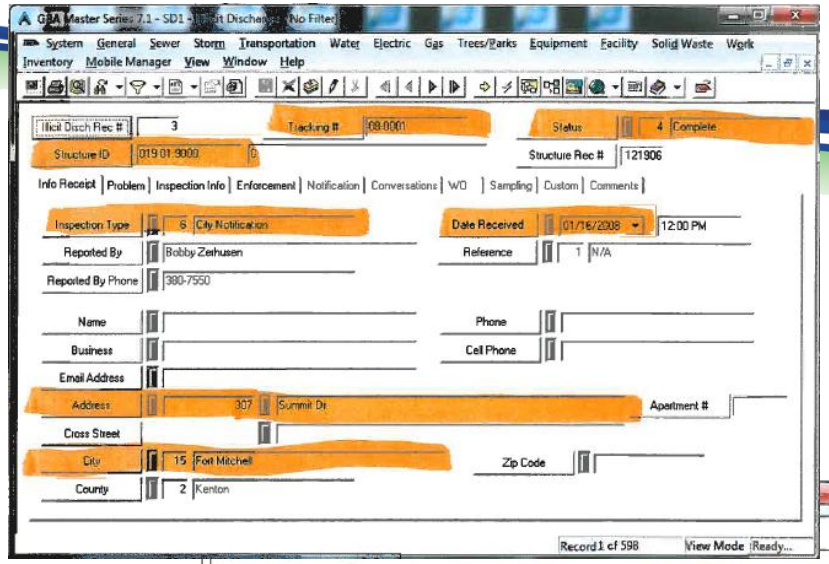
Pipe Diameter Inspections

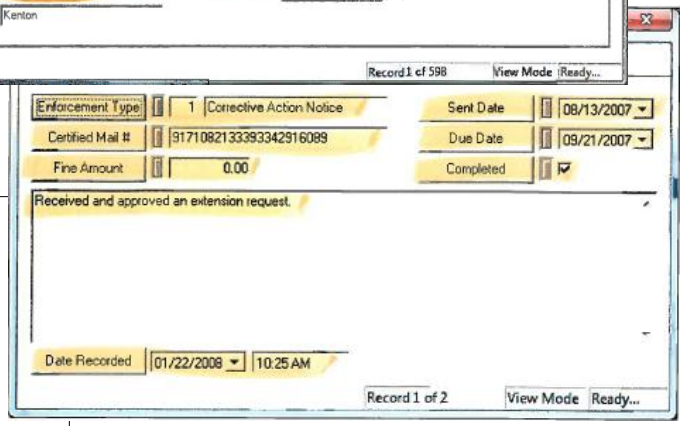
Outfalls without pipe diameter – Dawn is getting with Jordan for afix.
Outfall inspected (Inspected By: DG, CA; CA, DG; CA; DG) – (storm structure inspection)

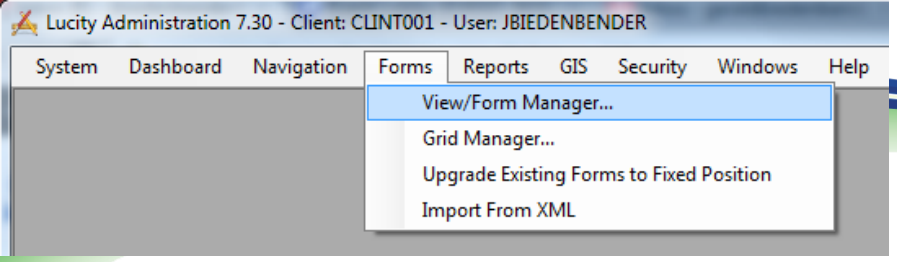
Potable water (received: between = 1/1/2011 – 12/31/2011, category text: equal = illicit, contaminant: text = potable water)
Septic (received: between = 1/1/2011 – 12/31/2011, category text: equal = illicit, contaminant: text = septic)
Sewage (received: between = 1/1/2011 – 12/31/2011, category text: equal = illicit, contaminant: text = sewage)
Non point (received: between = 1/1/2011 – 12/31/2011, source: equal = non point)

Structures (Storm structures)

Total number of outfalls (outfall type: in list = open, closed)
Total number of major outfalls (NPDES permit?: equal = 1)
Annual number of locations Inspected – cannot do, Requires Subset
Annual number PCI Inspected – cannot do Requires Subset

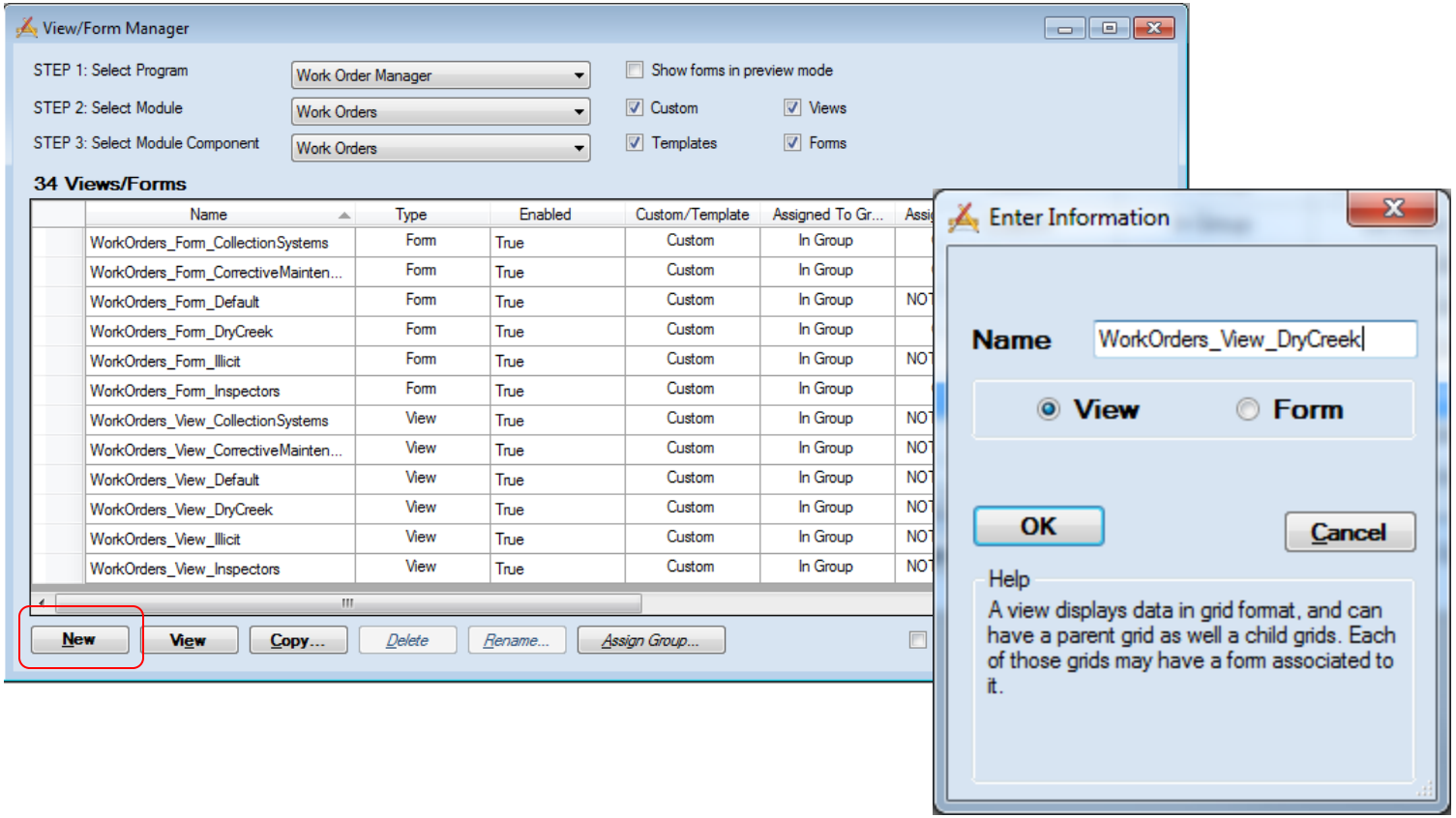






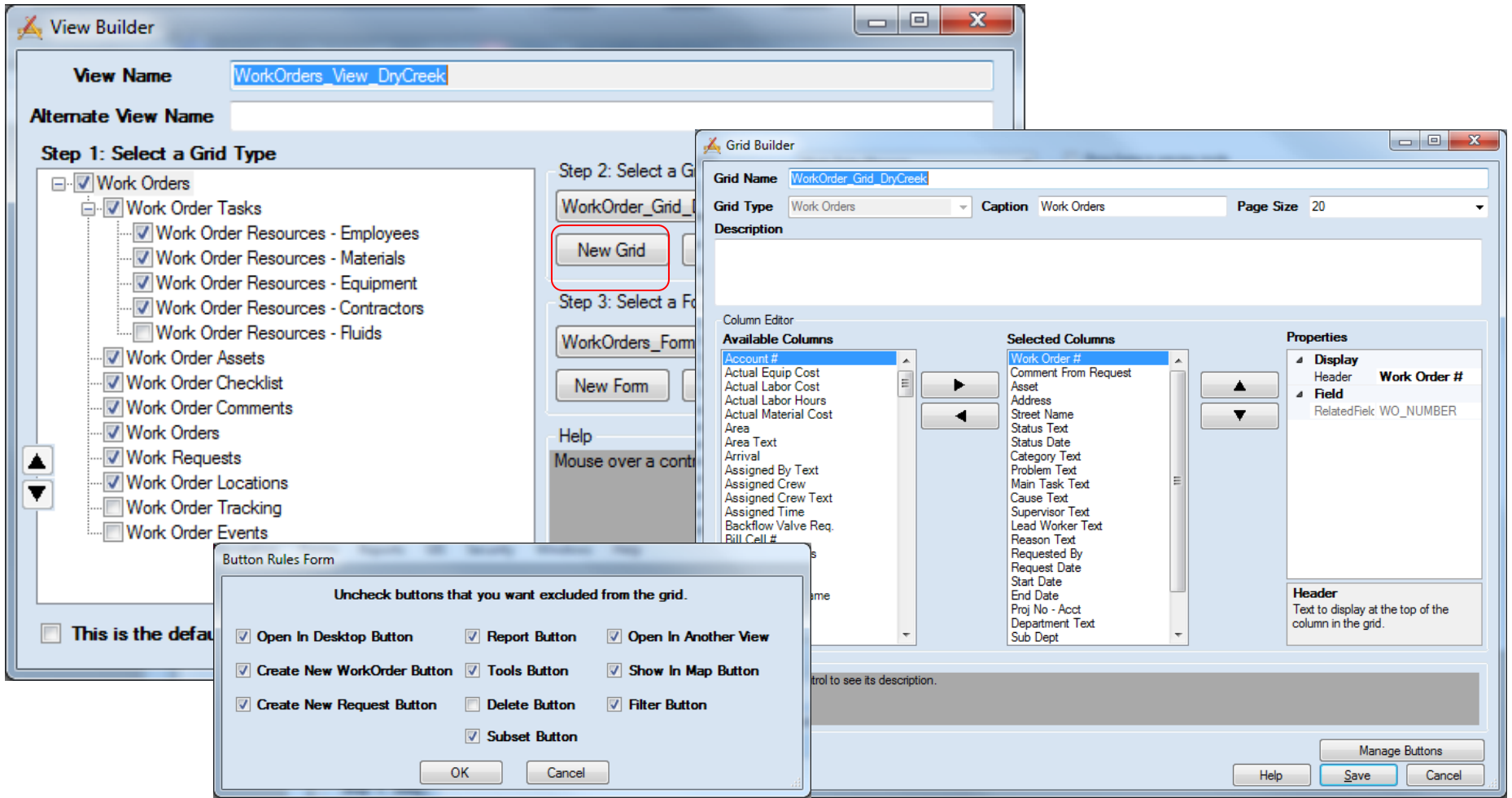
Step 2 – Create Views, Grids & Forms

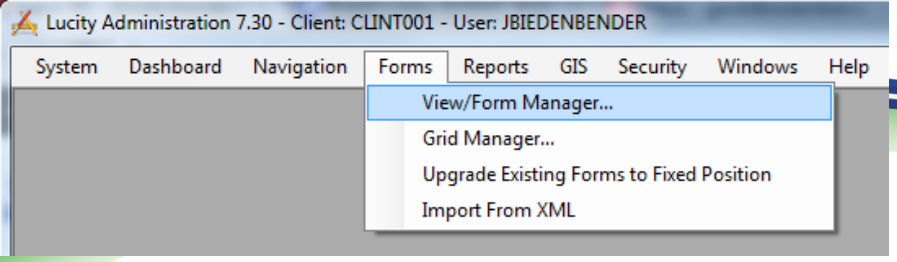
- Create a view…



Step 2 – continued

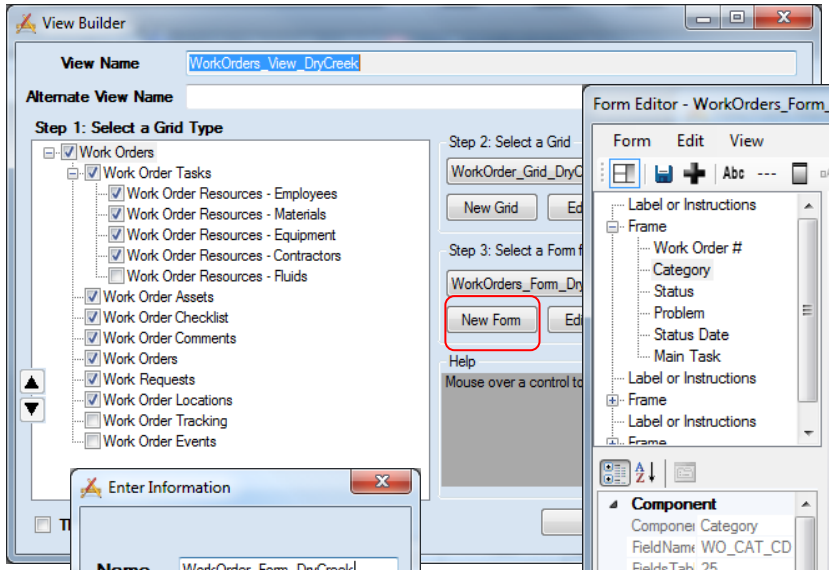
- Create grids…

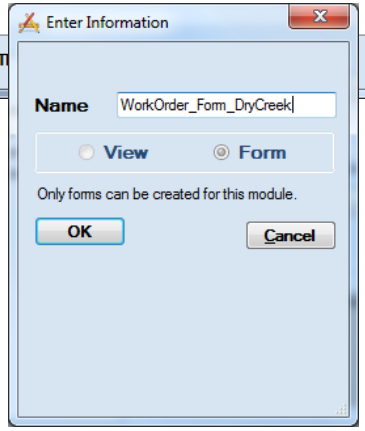


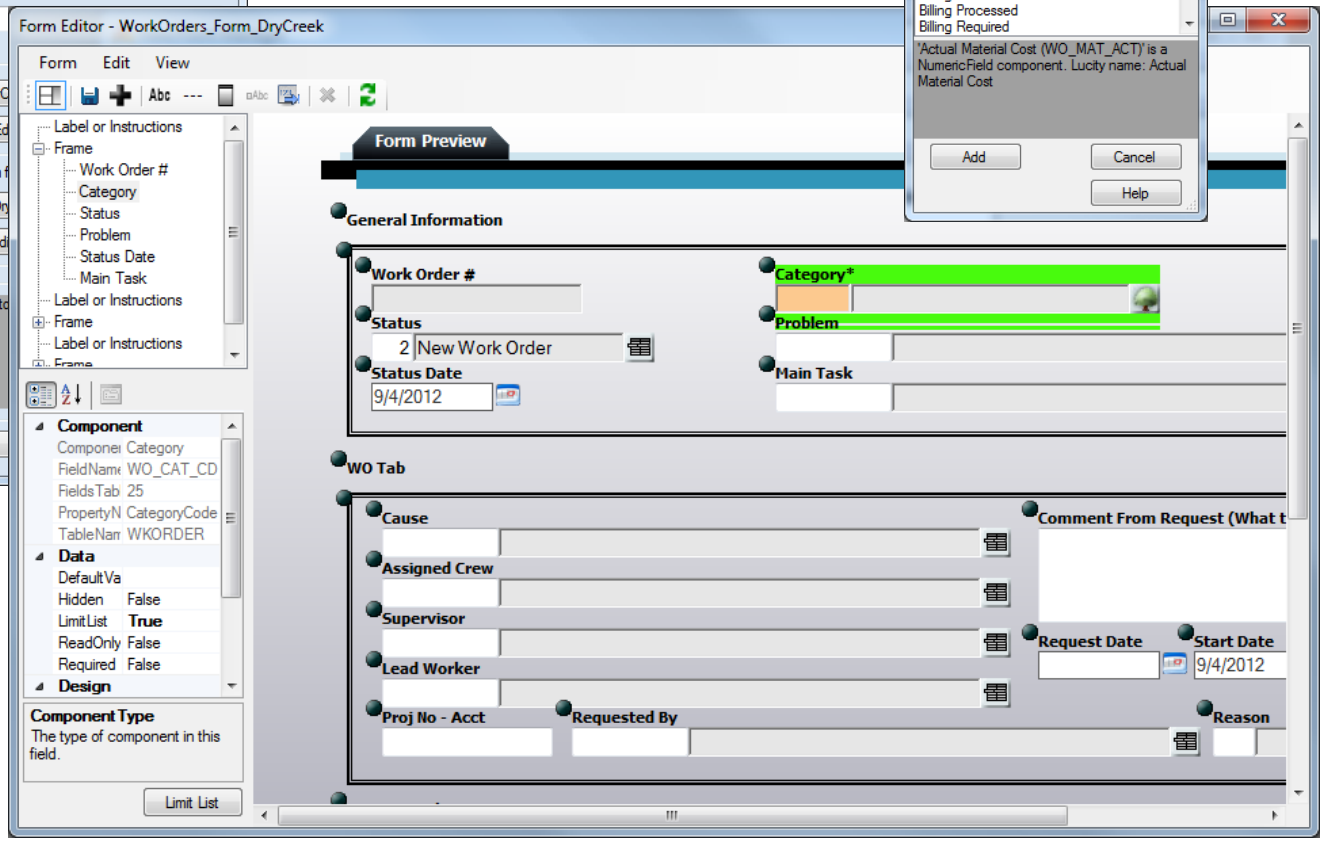


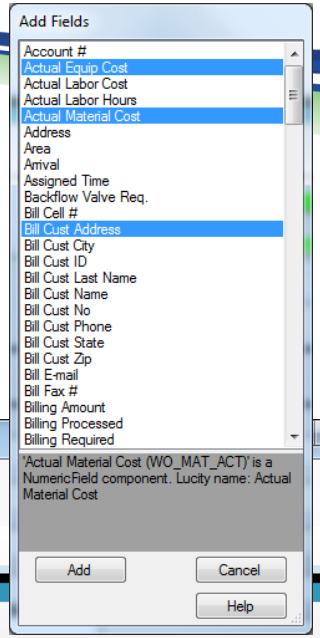
Step 2 – continued

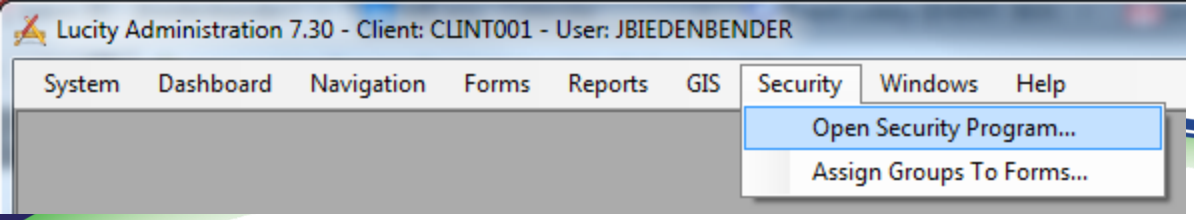
- Create Forms…

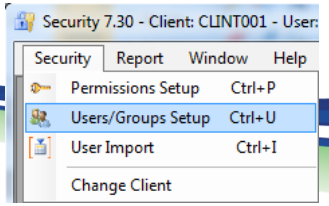






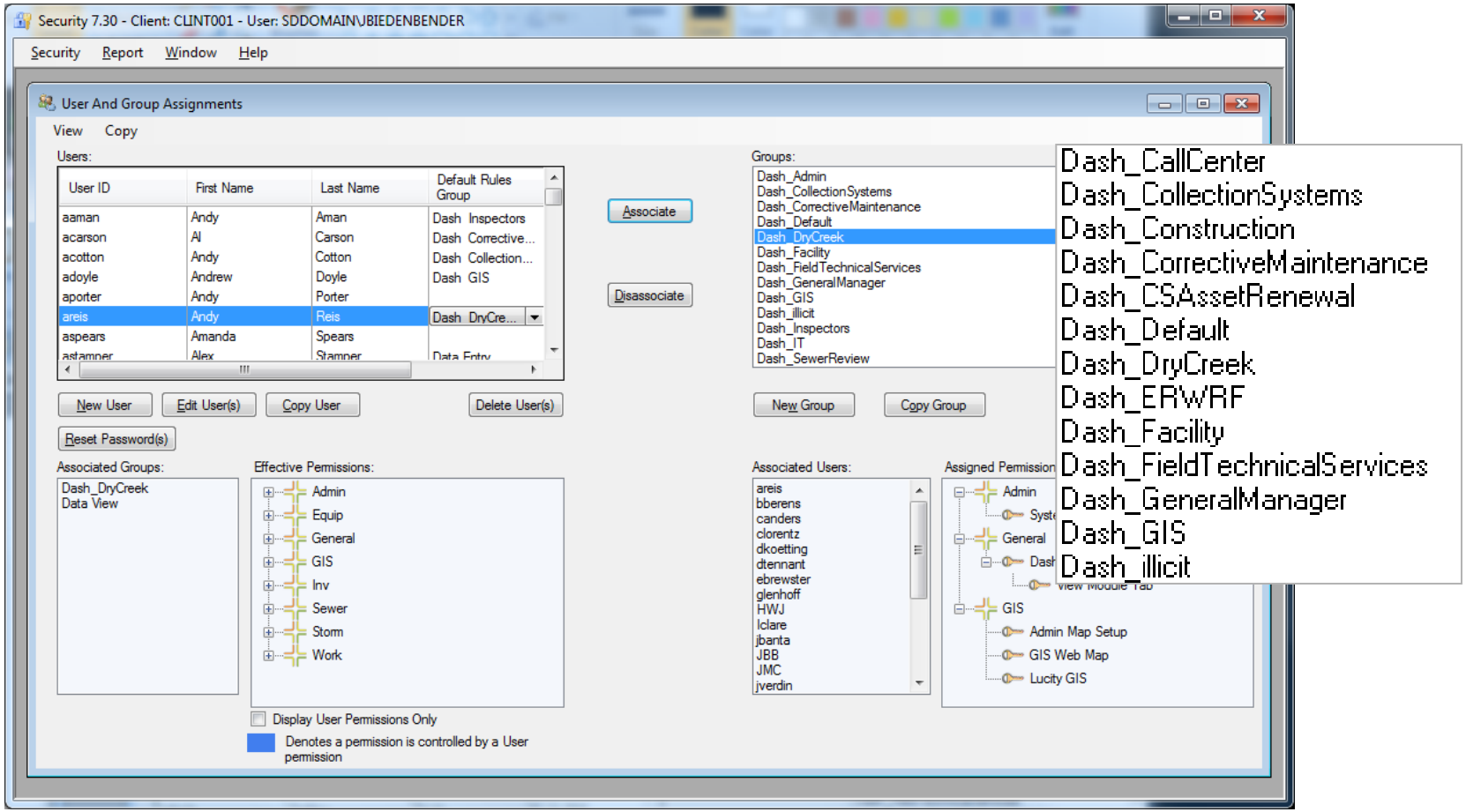






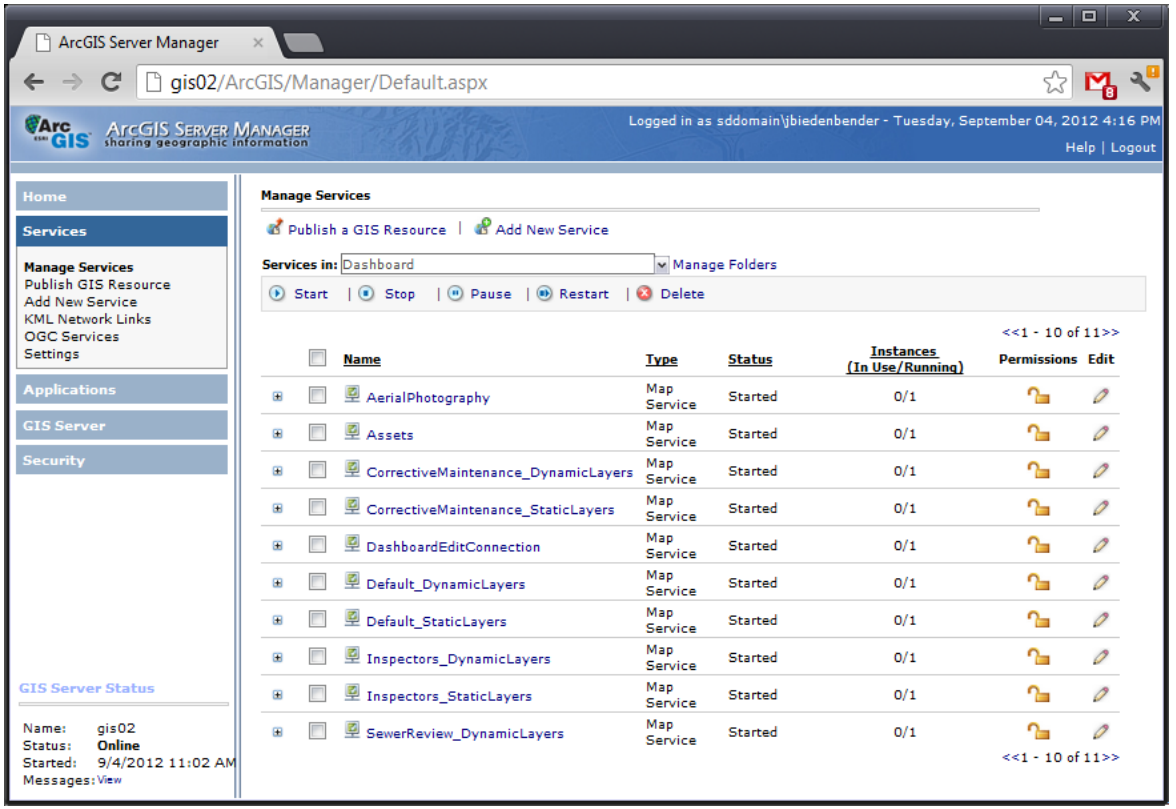
Step 3 – Set Securities

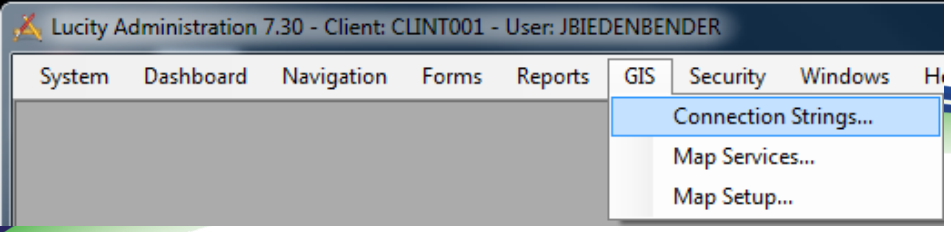
- Create groups, Assign permissions, Associate users, Set user default group



Step 4 – ArcGIS Server

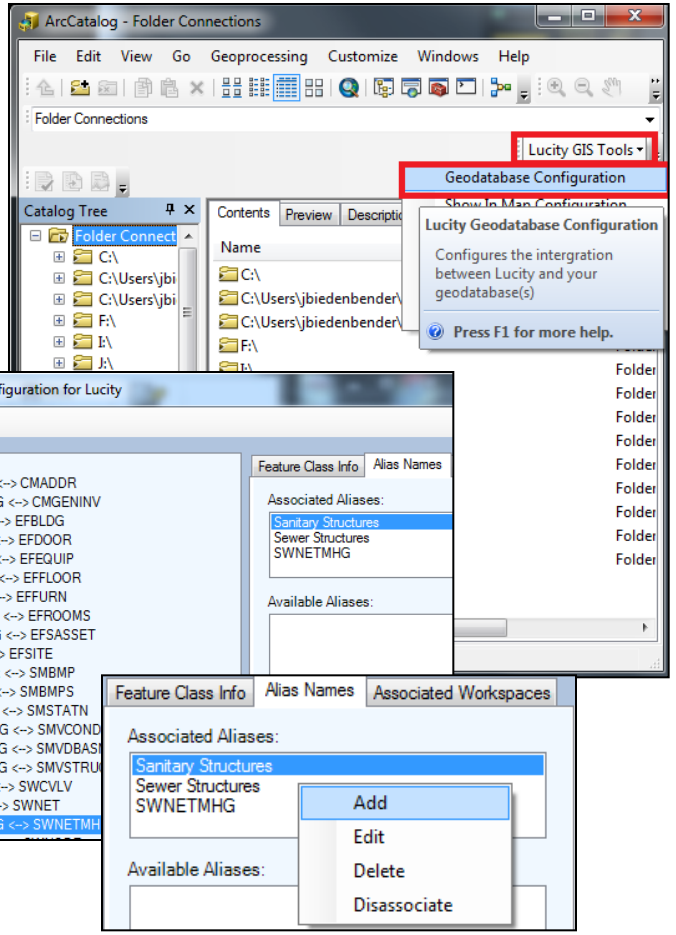
- Create map Services…
  - Dynamic services
  - Cached services
  - Feature Service
  - Photography service
  - Data service
    - Alias's
      - See next slide

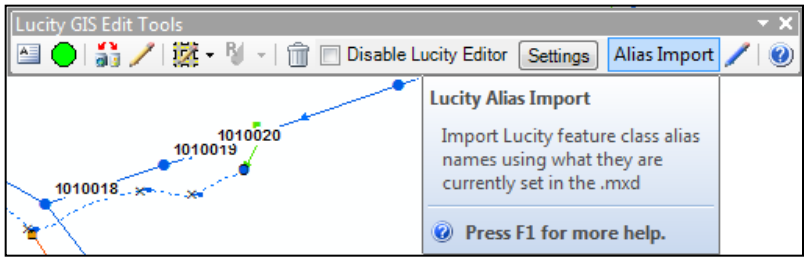


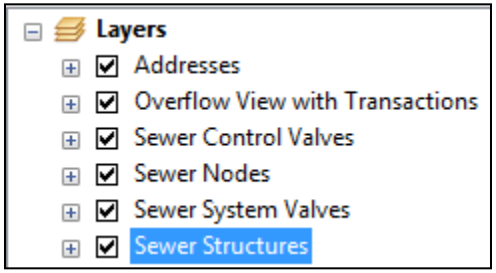


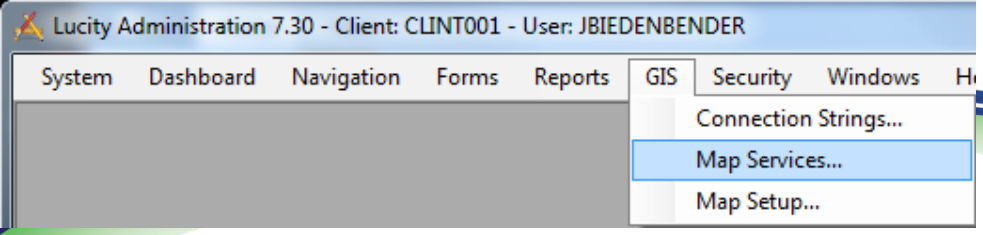
Step 4 – Continued

- Aliases…
  - Verify Aliases are synced
  - Adding Aliases
    - Import Tool
    - Manual option



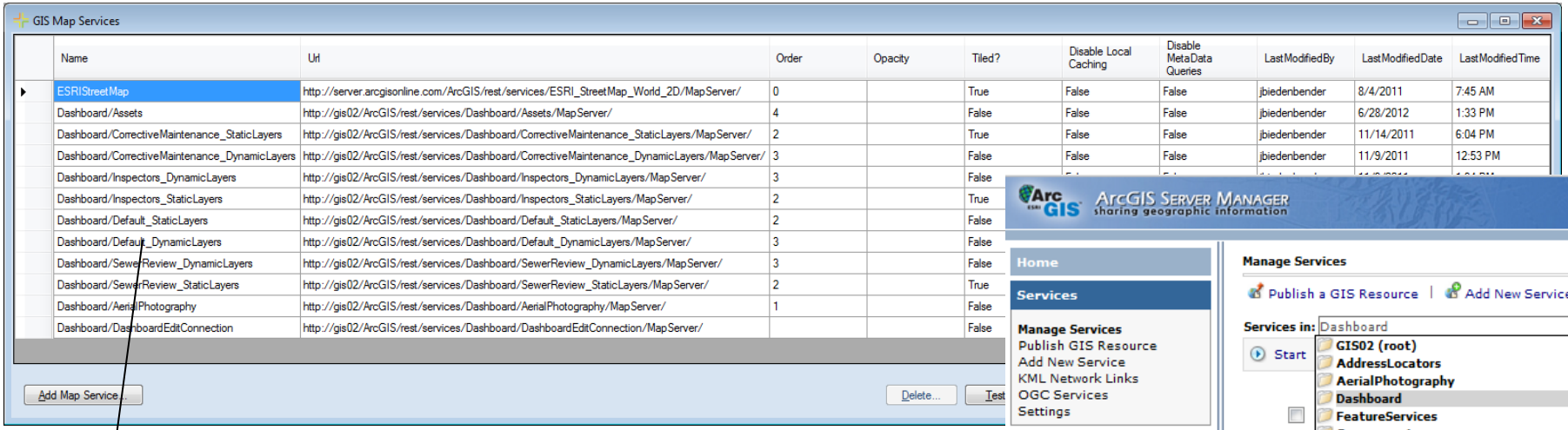




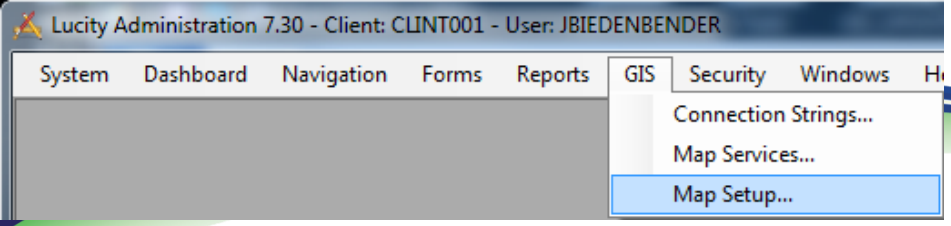


Step 4 – Continued

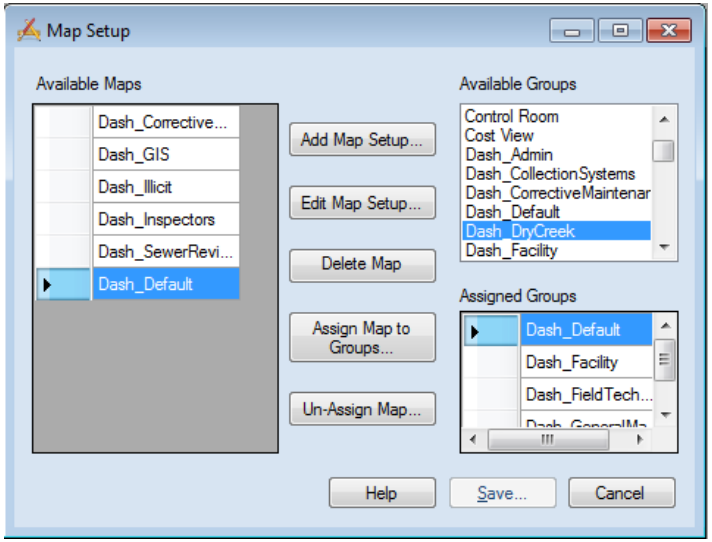
- GIS Map Services setup
  - Name
  - Url
  - Order
  - Opacity
  - Tiled?
- Disable Local Caching
- Disable MetaData Queries
- LastModifiedBy
- LastModifiedDate
- LastModifiedTime

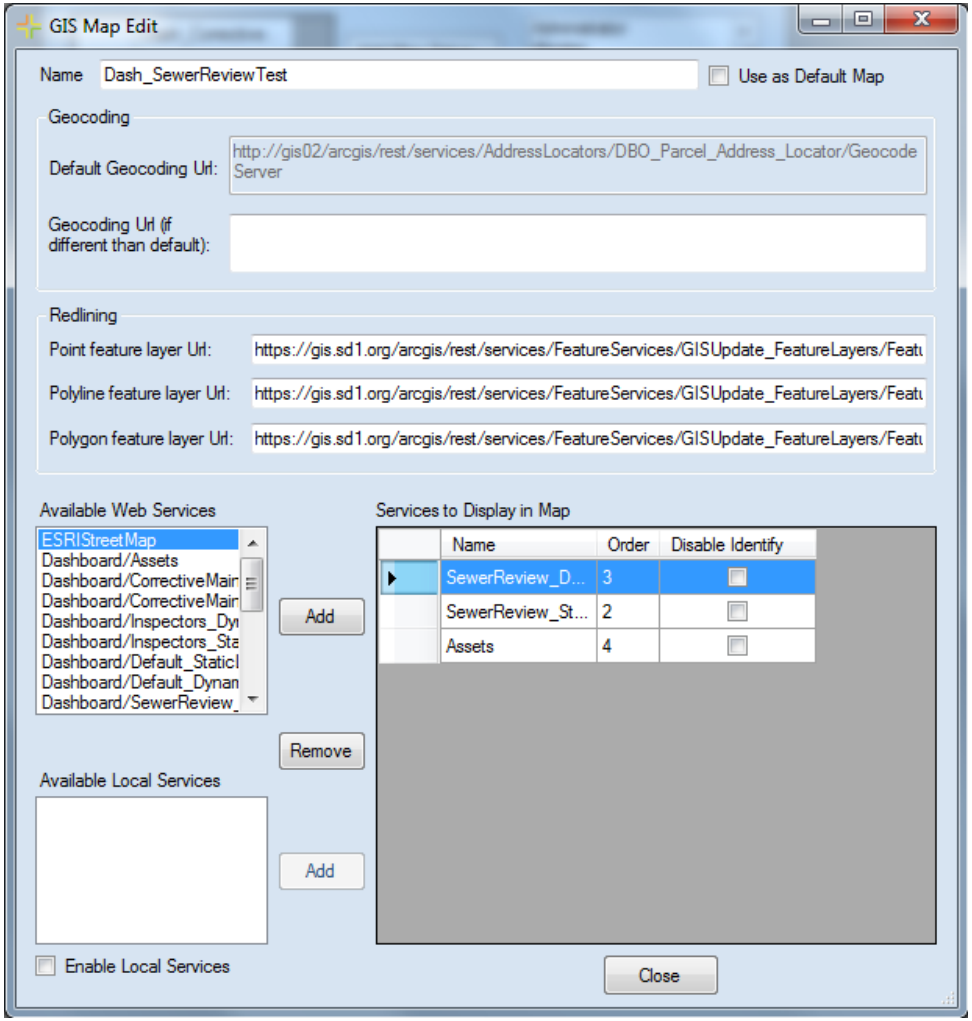


Dashboard/Default_DynamicLayers



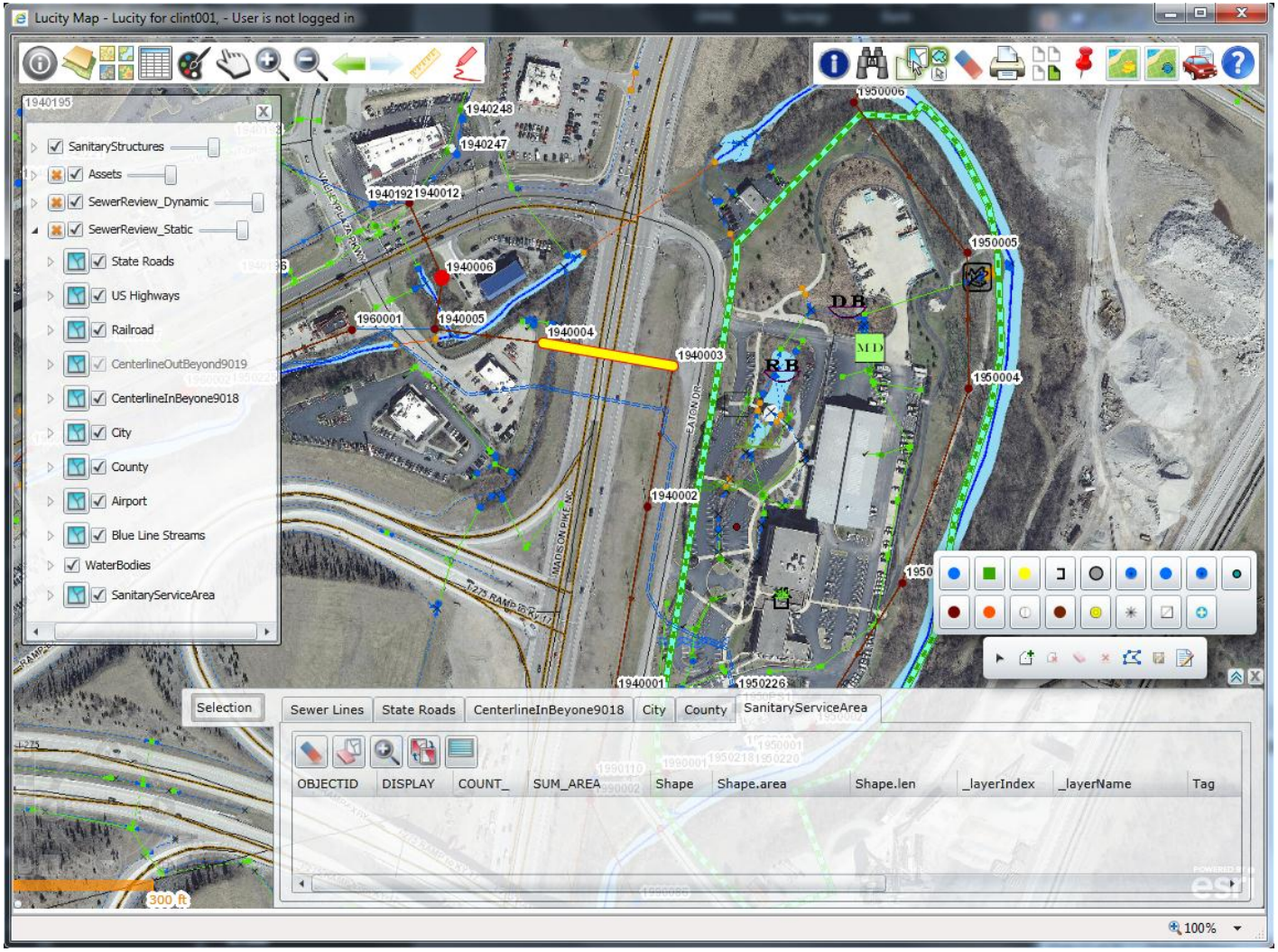
Step 5 – Configure Map Setup



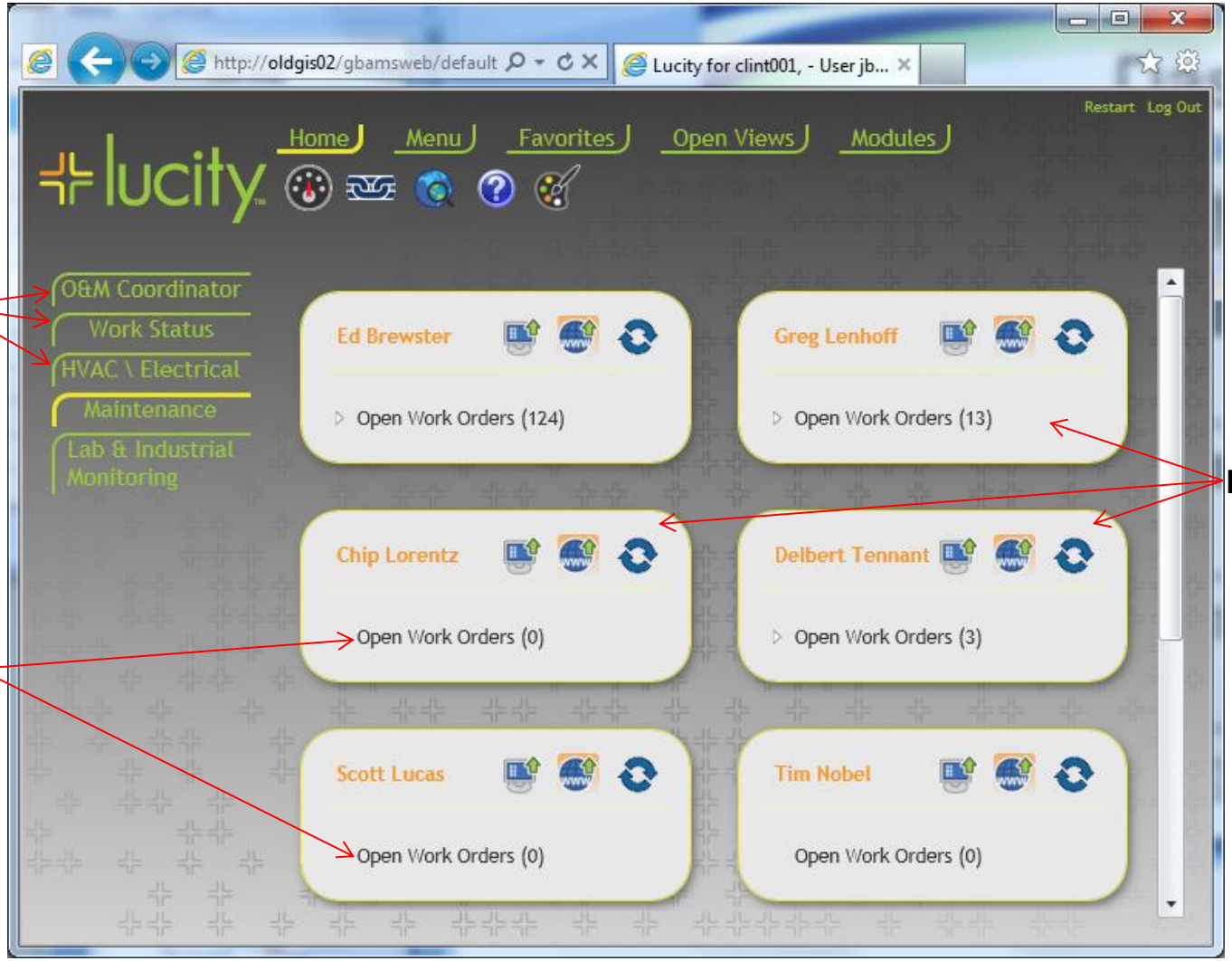


- Map Setup…
  - Add Map Setup
  - Configure Map
  - Assign Map to groups

Web Map


Lucity Map - Lucity for clint001, - User is not logged in
SanitaryStructures
Assets
SewerReview_Dynamic
SewerReview_Static
State Roads
US Highways
Railroad
CenterlineOutBeyond9019
CenterlineInBeyone9018
City
County
Airport
Blue Line Streams
WaterBodies
SanitaryServiceArea
Selection
Sewer Lines
State Roads
CenterlineInBeyone9018
City
County
SanitaryServiceArea
OBJECTID
DISPLAY
COUNT_
SUM_AREA
Shape
Shape.area
Shape.len
_layerIndex
_layerName
Tag
100%

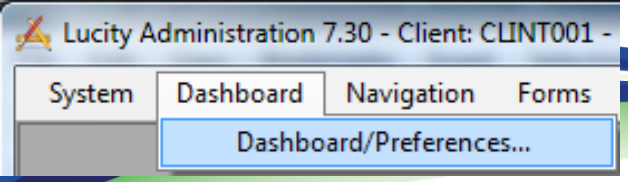
Dashboard



Dashboard Tab *(Page)*

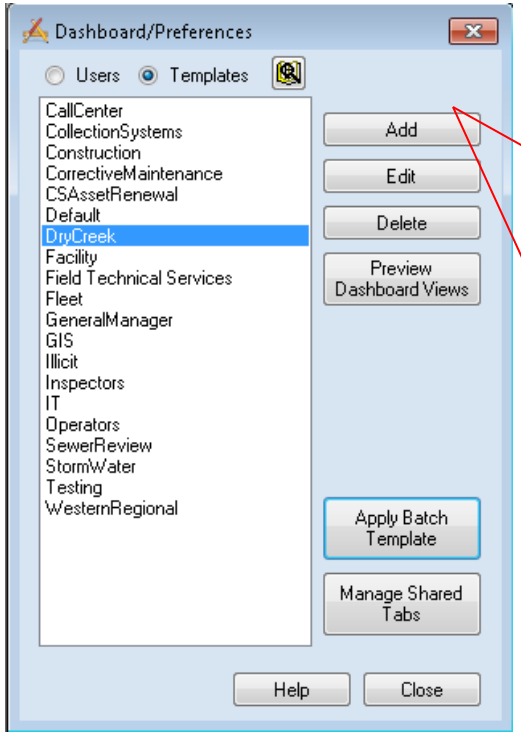
Frame

Plugin-Data Drill *(Filter)*

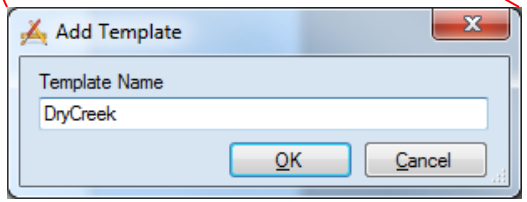


Step 6 – Setup templates and apply shared tabs

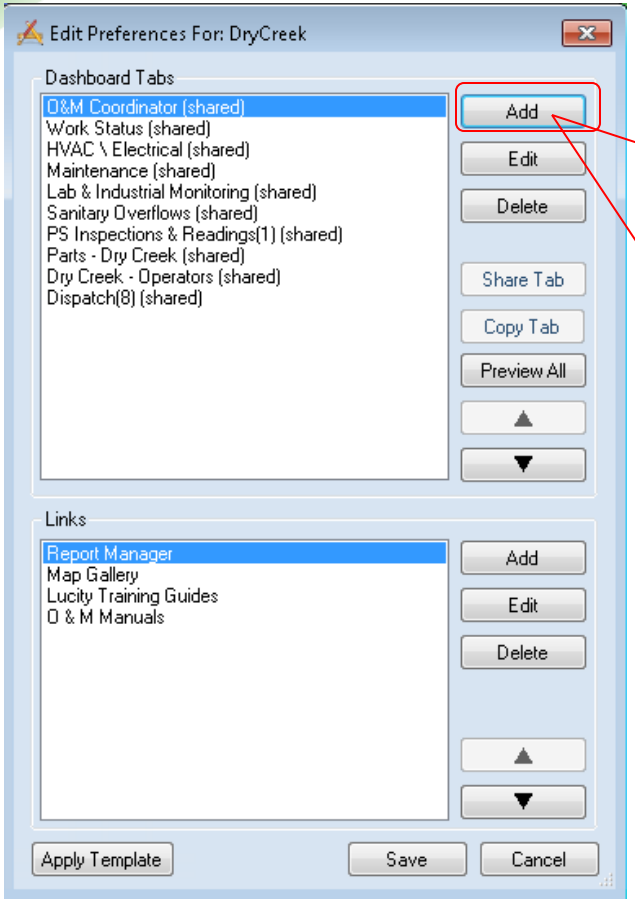
- Setup Template
  - Add Template
    - Add Tab
    - Add Frame
      - Add plug-in



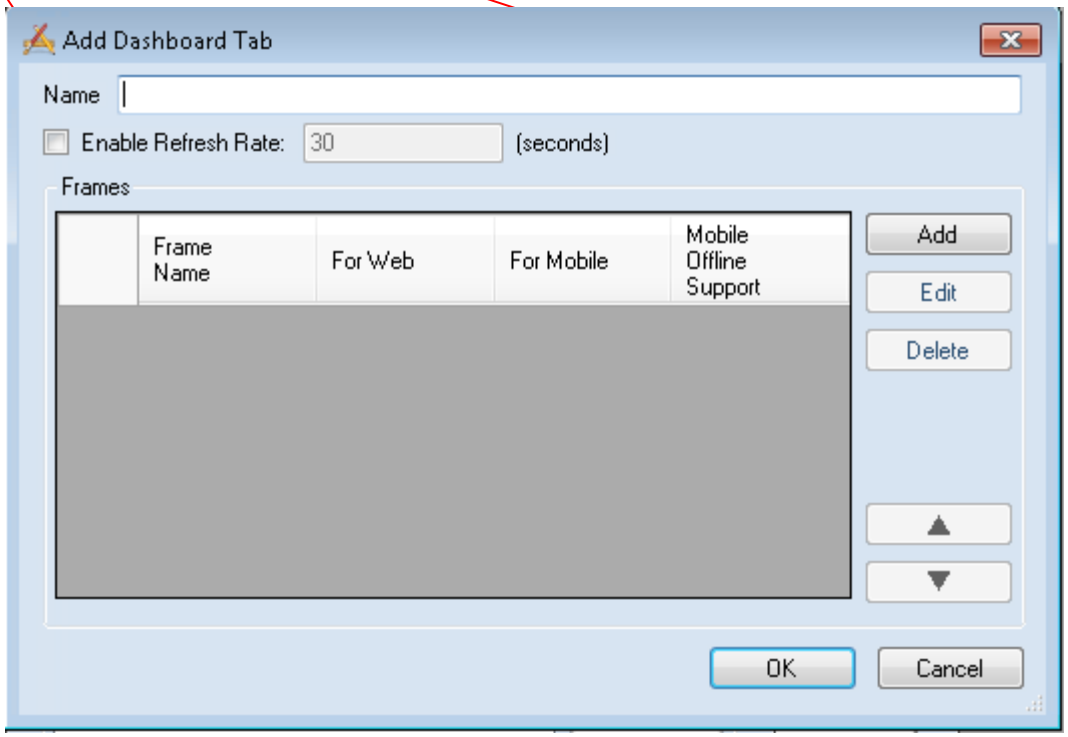
- Add new template



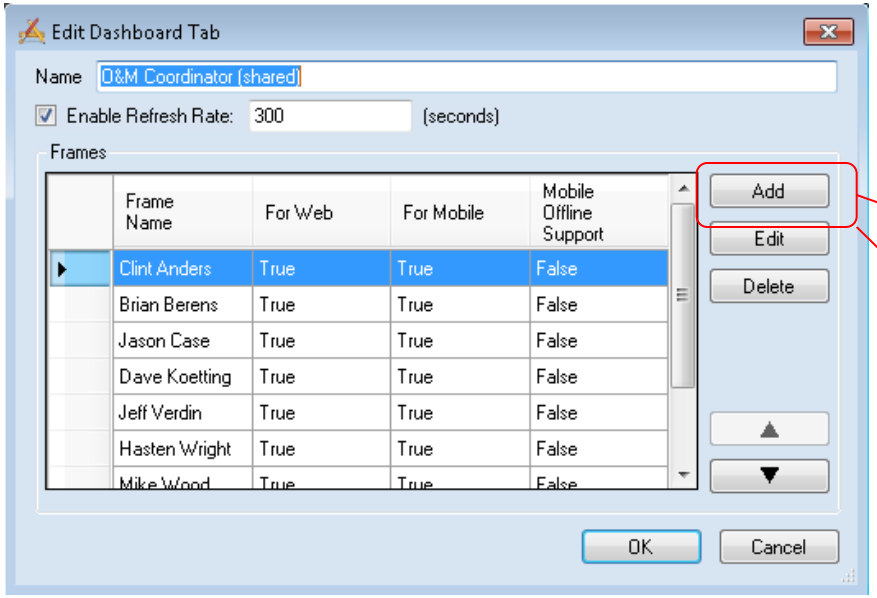
Step 6 – Continued

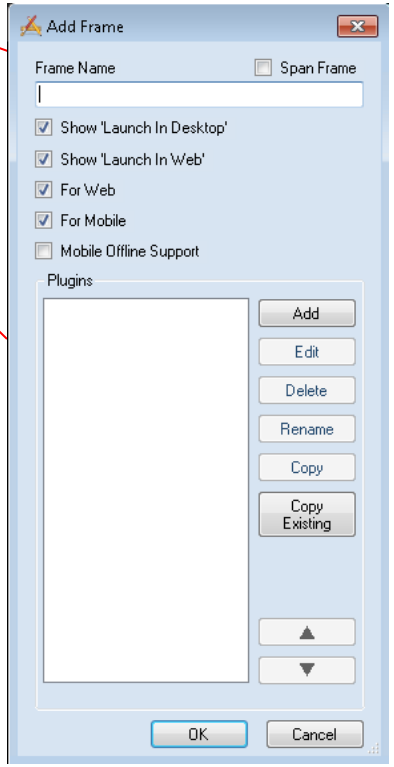


- Add Tabs *(Pages)*



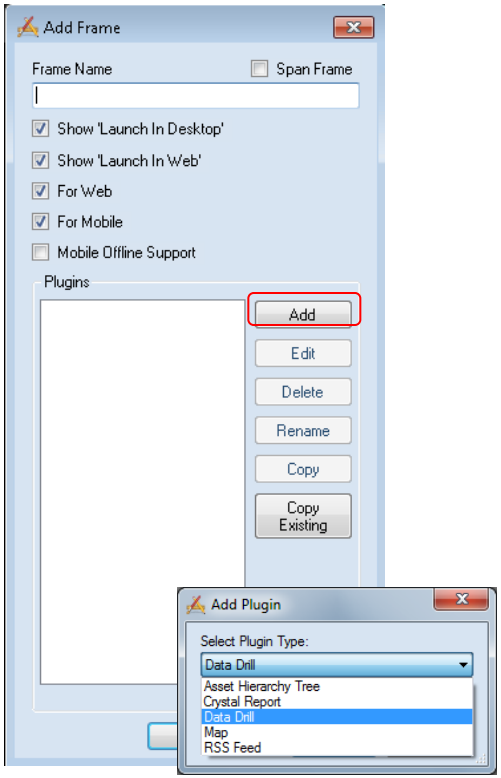
Step 6 – Continued

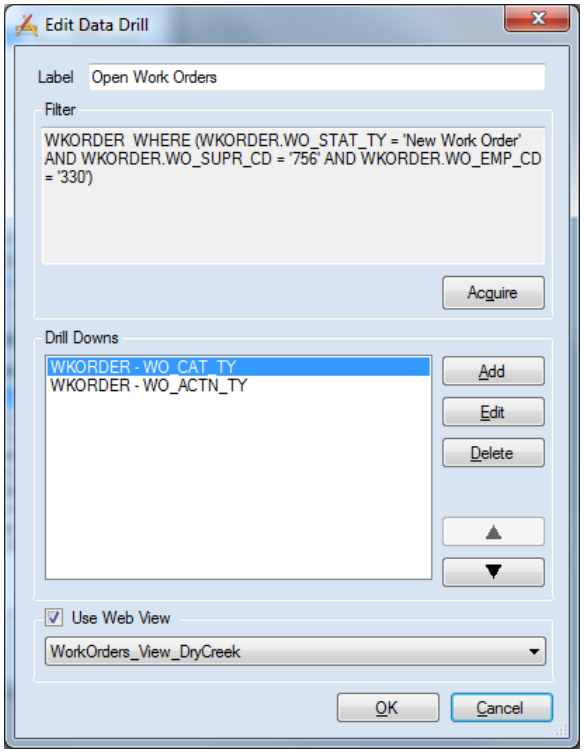




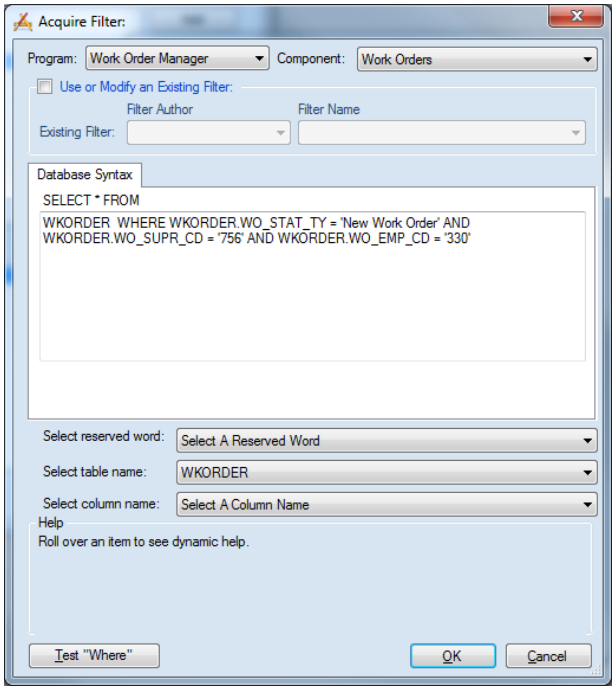
- Add Frame

Step 6 – Continued





- Add plugins

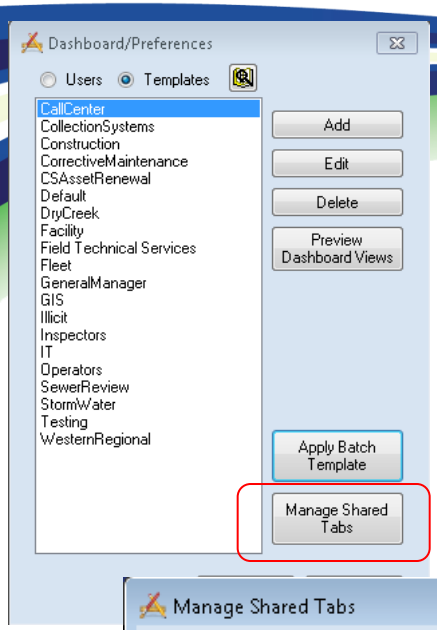


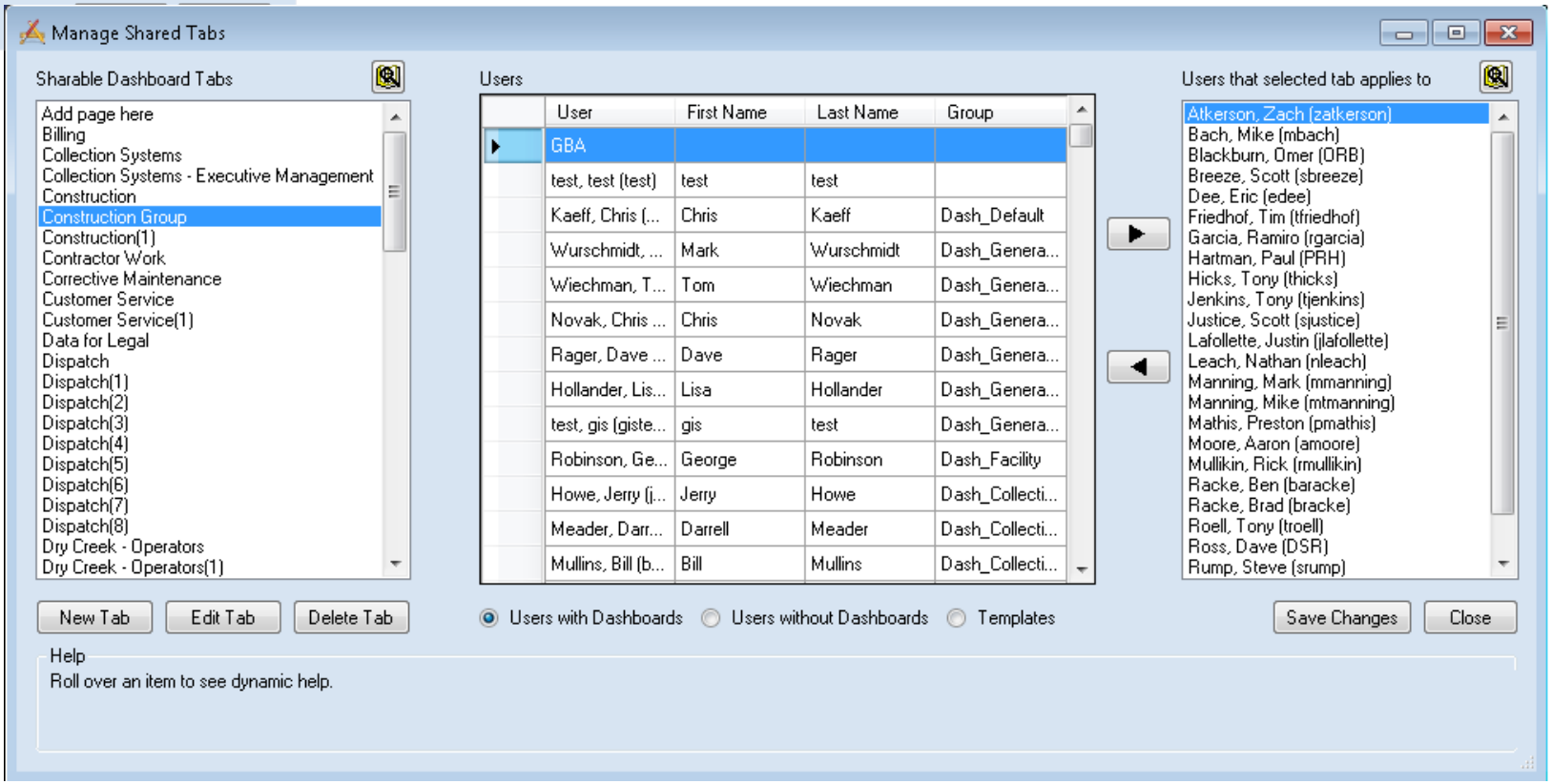
Advanced Filters

- **Work orders between 10-20 days old**
  - WKORDER WHERE (WKORDER.WO_STAT_CD < 800 AND WKORDER.WO_SUPR_CD = '418' AND ((WKORDER.WO_INIDATE >dateadd(day,-20,getdate()) AND (WKORDER.WO_INIDATE <dateadd(day,-10,getdate()))))))
- **Structures as an asset on a specific type of work order**
  - **SWNETMH** WHERE SWNETMH.MA_USER12 > 59.9 AND (SWNETMH.MA_MHID) IN (SELECT AS_INV_ID FROM **WKWOASSET** WHERE (WKWOASSET.AS_WO_ID IN (SELECT WO_ID FROM **WKORDER** WHERE (WKORDER.WO_ACTN_CD IN ('1103', '1107', '1111', '1112', '1113', '1114', '1115', '1116', '1117', '1119', '1131', '1134') AND WKORDER.WO_STAT_DT > SWNETMH.MA_USER9))))
- **Past weeks trouble calls**
  - WKREQ WHERE (WKREQ.RQ_CAT_TY = 'Trouble Call' AND WKREQ.RQ_REC_DT >dateadd(week,-1,getdate()) AND RQ_MOD_DT <> #10/10/1911#)

Step 6 – Continued

- Manage shared tabs





lucityListens™

How can we improve the Dashboard or the Lucity Web UI?

← Dashboard and Web

3
votes

Vote

Shared tabs with templates

It would be nice if tabs could be shared with multiple templates. At time I have 5 different templates that need to view the same "shared tab", this results in me creating a copy of that tab 5 different times and then maintaining 5 of the same tabs....

Jerry Biedenbender shared this idea · October 30, 2013 · Flag idea as inappropriate...

ADMIN

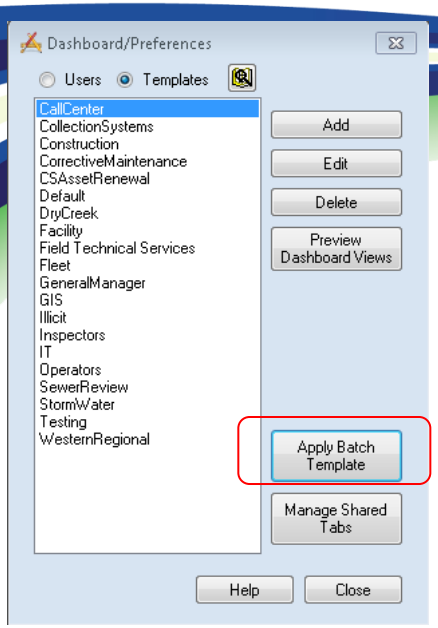
COMPLETED · **Nicole Schmidt** (Admin, Lucity) responded · August 25, 2014

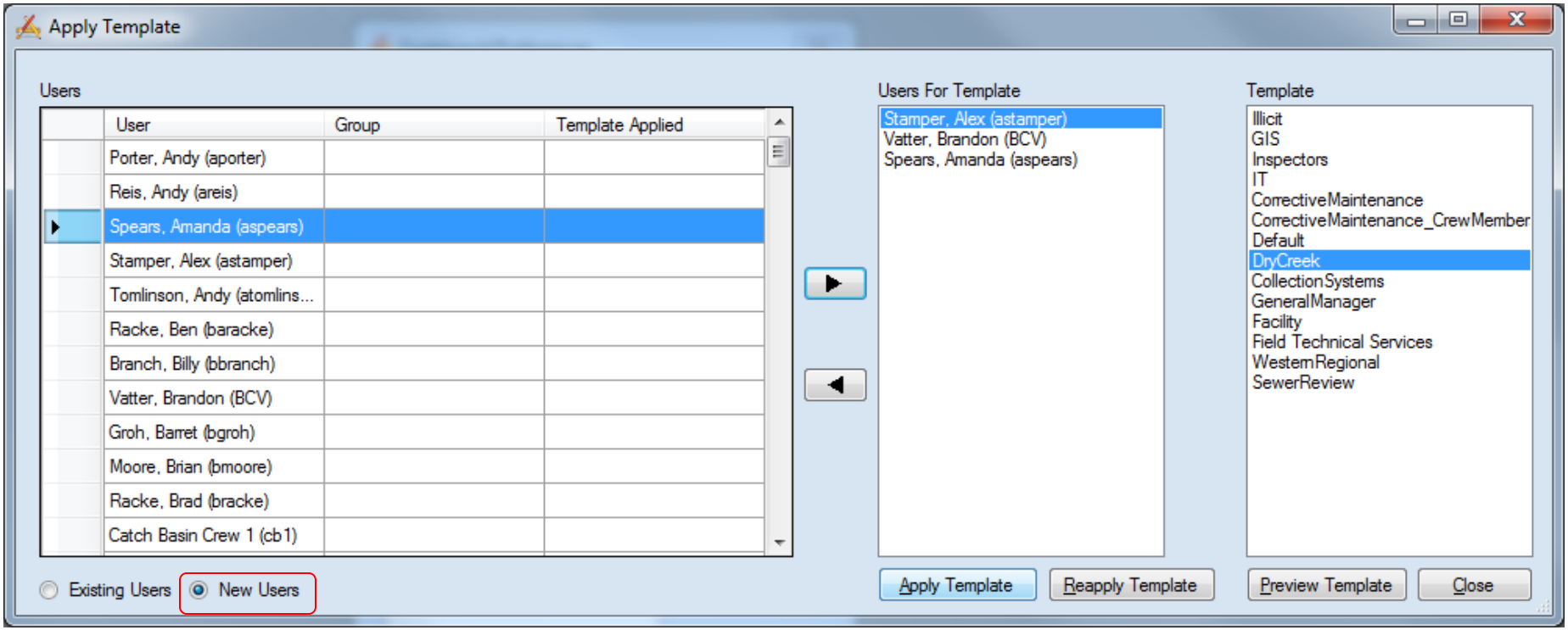
Lucity 2014 r2

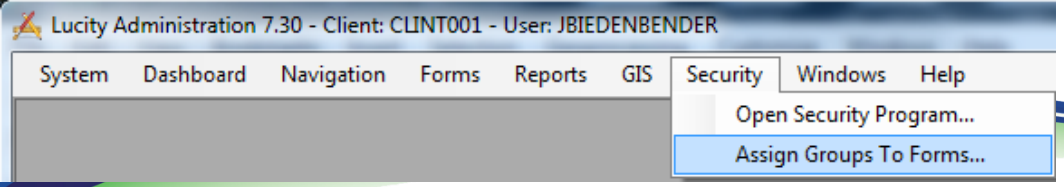
Show previous admin responses (1)

Step 6 – Continued

- Apply template

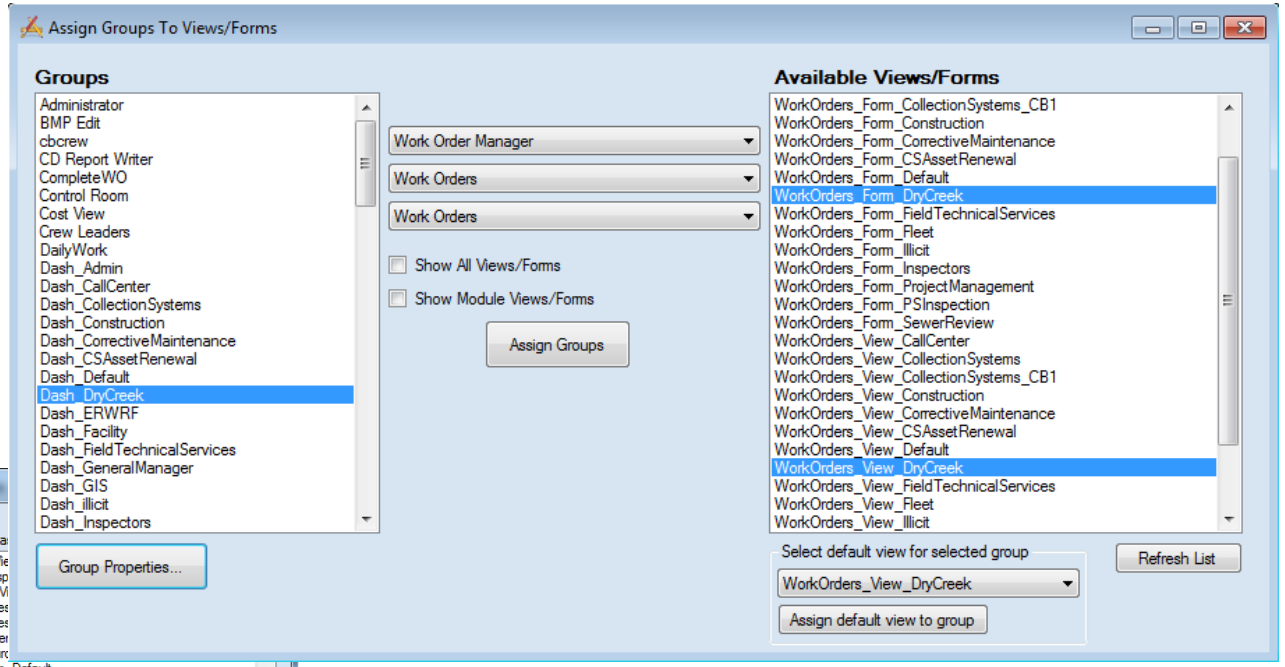


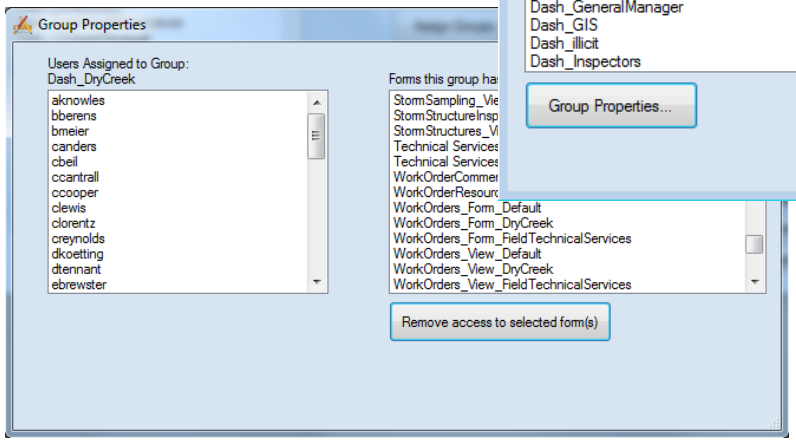


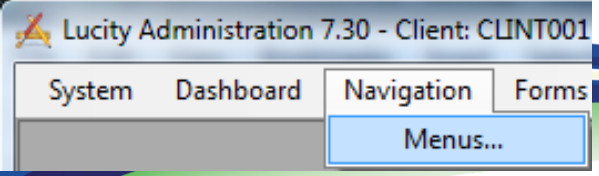


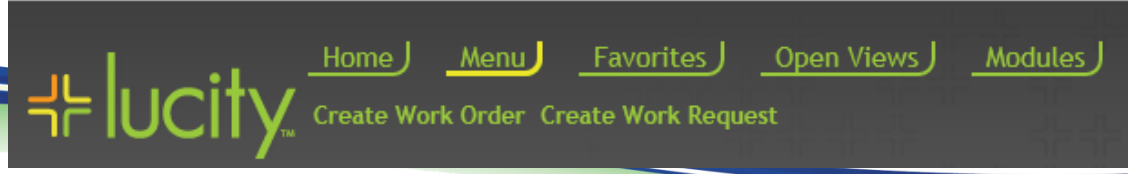
Step 7 – Apply groups to forms

- Choose defaults and customized views & forms



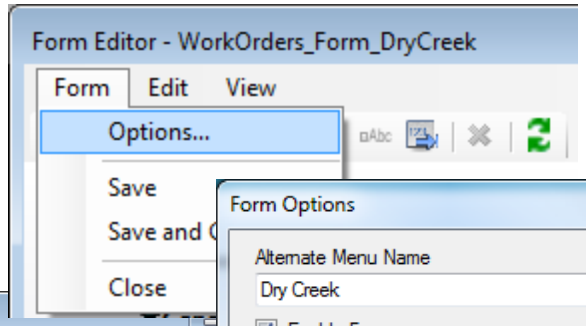


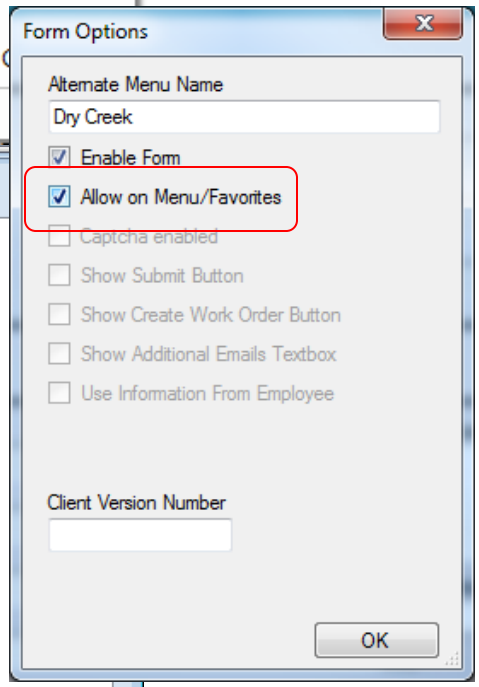


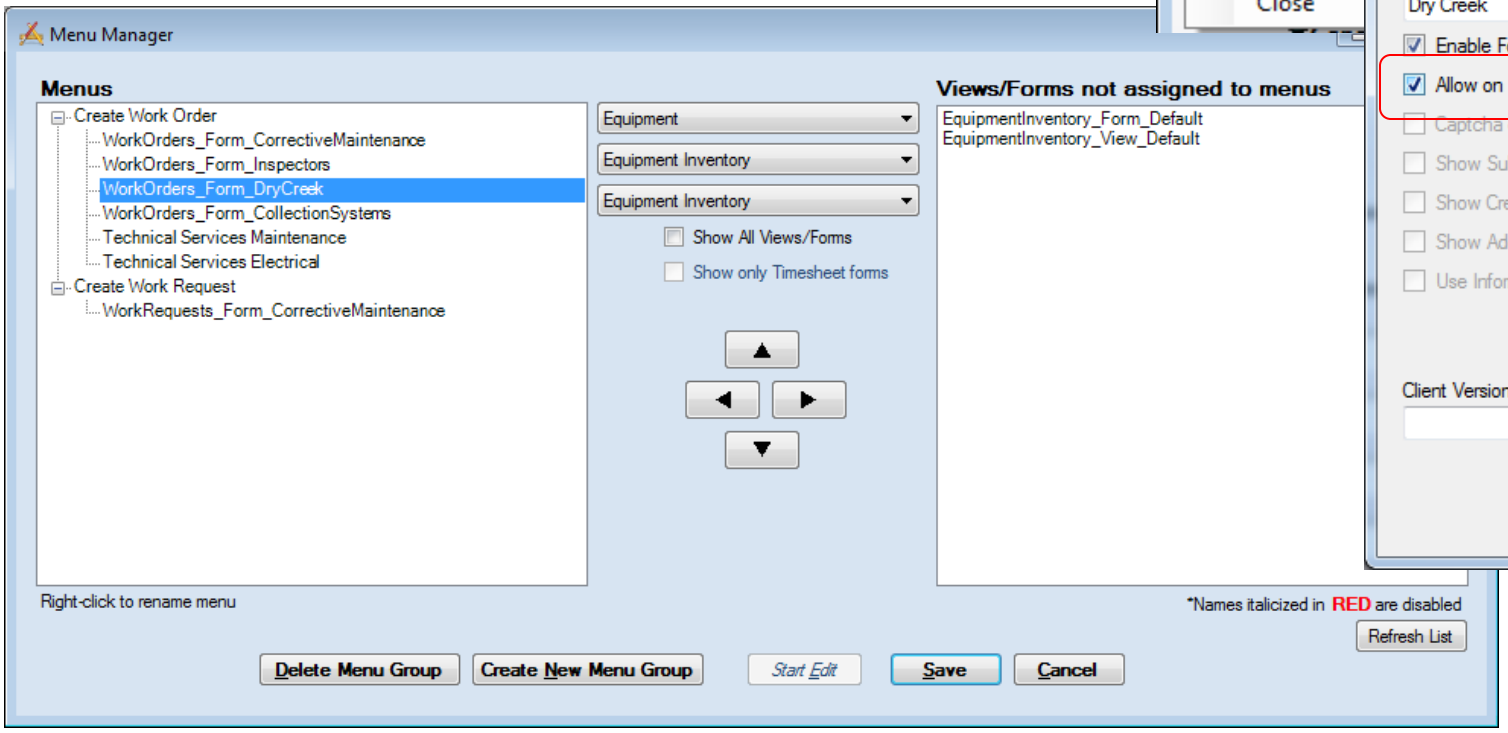


Step 8 – Configure Menus

- Enable form to be viewed on Menus/Favorates
- Create Menus and add Forms

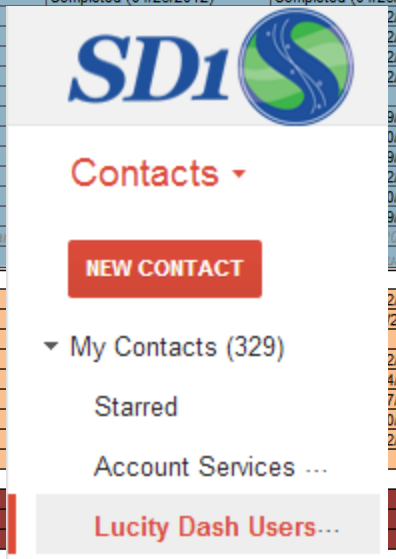






Step 9 – Get Organized

1	Employee	Group	Lucity Default Group	Status	Template	Map Group	Dashboard Trainning	Web-Map Trainning
77	**McGillis, Rich (mcgillis)**	Dash_CollectionSystems	Dash_CollectionSystems	In Use	CollectionSystems	Dash_SewerReview		
78	Atkerson, Zach (zatkerson)	Dash_CollectionSystems	Dash_CollectionSystems	In Use	CollectionSystems	Dash_SewerReview		
79	Blackburn, Omer (ORB)	Dash_CollectionSystems	Dash_CollectionSystems	In Use	CollectionSystems	Dash_SewerReview	Completed (02/22/2012)	Completed (02/22/2012)
80	Boyle, Kyle (kboyle)	Dash_CollectionSystems	Dash_CollectionSystems	In Use	CollectionSystems	Dash_SewerReview	Completed (03/02/2012)	Completed (03/02/2012)
81	Brauntwart, Greg (GWB)	Dash_CollectionSystems	Dash_CollectionSystems	In Use	CollectionSystems	Dash_SewerReview	Completed (03/09/2012)	Completed (03/09/2012)
82	Breeze, Scott (sbreeze)	Dash_CollectionSystems	Dash_CollectionSystems	In Use	CollectionSystems	Dash_SewerReview	Completed (02/22/2012)	Completed (02/22/2012)
83	Couch, Donnie (DRC)	Dash_CollectionSystems	Dash_CollectionSystems	In Use	CollectionSystems	Dash_SewerReview	Completed (03/20/2012)	Completed (03/20/2012)
84	Hartman, Paul (PRH)	Dash_CollectionSystems	Dash_CollectionSystems	In Use	CollectionSystems	Dash_SewerReview	Completed (04/26/2012)	Completed (04/26/2012)
85	Helm, Gerry (ghelm)	Dash_CollectionSystems	Dash_CollectionSystems	In Use	CollectionSystems	Dash_SewerReview	Completed (04/26/2012)	Completed (04/26/2012)
86	Howe, Jerry (jhowe)	Dash_CollectionSystems	Dash_CollectionSystems	In Use	CollectionSystems	Dash_SewerReview		2/2012)
87	Hurst, Mike (MRH)	Dash_CollectionSystems	Dash_CollectionSystems	In Use	CollectionSystems	Dash_SewerReview		2/2012)
88	Kiser, Cap (ekiser)	Dash_CollectionSystems	Dash_CollectionSystems	In Use	CollectionSystems	Dash_SewerReview		2/2012)
89	Manning, Mike (mtmanning)	Dash_CollectionSystems	Dash_CollectionSystems	In Use	CollectionSystems	Dash_SewerReview		2/2012)
90	Mcguire, Darleene (DSM)	Dash_CollectionSystems	Dash_CollectionSystems	In Use	CollectionSystems	Dash_SewerReview		
91	Meader, Darrell (dmeader)	Dash_CollectionSystems	Dash_CollectionSystems	In Use	CollectionSystems	Dash_SewerReview		9/2012)
92	Mullins, Bill (bmullins)	Dash_CollectionSystems	Dash_CollectionSystems	In Use	CollectionSystems	Dash_SewerReview		0/2012)
93	Roberts, Donnie (DLR)	Dash_CollectionSystems	Dash_CollectionSystems	In Use	CollectionSystems	Dash_SewerReview		9/2012)
94	Ross, Dave (DSR)	Dash_CollectionSystems	Dash_CollectionSystems	In Use	CollectionSystems	Dash_SewerReview		2/2012)
95	Shanker, Robert (rshanker)	Dash_CollectionSystems	Dash_CollectionSystems	In Use	CollectionSystems	Dash_SewerReview		0/2012)
96	Spada, Jeremy (jspada)	Dash_CollectionSystems	Dash_CollectionSystems	In Use	CollectionSystems	Dash_SewerReview		9/2012)
97	*Campbell, Josh (jcampbell)*	*Dash_CorrectiveMaintenance*	*Dash_CorrectiveMaintenance*	*In Use*	*CollectionSystems - MODIFIED*	*Dash_CorrectiveMaintena*		*0/2012)*
98	*Goerman, Tyler (tgoerman)*	*Dash_CollectionSystems*	*Dash_CollectionSystems*	*In Use*	*Default - Modified*	*Dash_SewerReview*		*uary 2012)*
99								
100	**Rizzo, Debbie (drizzo)**	Dash_SewerReview	Dash_SewerReview	In Use	Dash_SewerReview	Dash_SewerReview		2/2012)
101	Ashcraft, Clayton (cashcraft)	Dash_SewerReview	Dash_SewerReview	In Use	Dash_SewerReview	Dash_SewerReview		/2012)
102	Cain, Karen (KMC)	Dash_SewerReview	Dash_SewerReview	In Use	Dash_SewerReview	Dash_SewerReview		
103	Giles, Jim (JGG)	Dash_SewerReview	Dash_SewerReview	In Use	Dash_SewerReview	Dash_SewerReview		2/2012)
104	Ishmael, Jim (jishmael)	Dash_SewerReview	Dash_SewerReview	In Use	Dash_SewerReview	Dash_SewerReview		4/2012)
105	Lind, Thomas (tlind)	Dash_SewerReview	Dash_SewerReview	In Use	Dash_SewerReview	Dash_SewerReview		7/2012)
106	Madden, Mike (MPM)	Dash_SewerReview	Dash_SewerReview	In Use	Dash_SewerReview	Dash_SewerReview		0/2012)
107	Radford, Dave (DOR)	Dash_SewerReview	Dash_SewerReview	In Use	Dash_SewerReview	Dash_SewerReview		2/2012)
108								
109								
110	**Robinson, George (grobinson)**	Dash_Facility	Dash_Facility	In User	Facility	Dash_Default		
111	Penick, John (JLP)	Dash_Facility	Dash_Facility	In User	Facility	Dash_Default		
112	Hamberg, Steve (shamberg)	Dash_Facility	Dash_Facility	In User	Facility	Dash_Default		
113								
114	**Foltz, Chris (CCF)**	Dash_FieldTechnicalServices	Dash_FieldTechnicalServices	In Use	Field Technical Services	Dash_Default	Completed (04/25/2012)	
115	Brewer, Larry (lbrewer)	Dash_FieldTechnicalServices	Dash_FieldTechnicalServices	In Use	Field Technical Services	Dash_Default		
116	Buerkley, Joe (jbuerkley)	Dash_FieldTechnicalServices	Dash_FieldTechnicalServices	In Use	Field Technical Services	Dash_Default		
117	Crone, Chris (ccrone)	Dash_FieldTechnicalServices	Dash_FieldTechnicalServices	In Use	Field Technical Services	Dash_Default		
118	Emmons, Greg (gemmons)	Dash_FieldTechnicalServices	Dash_FieldTechnicalServices	In Use	Field Technical Services	Dash_Default		
119	Galloway, Zac (zgalloway)	Dash_FieldTechnicalServices	Dash_FieldTechnicalServices	In Use	Field Technical Services	Dash_Default		
120	Rabe, Kyle (krabe)	Dash_FieldTechnicalServices	Dash_FieldTechnicalServices	In Use	Field Technical Services	Dash_Default		
121	Reis, Johnathan (jreis)	Dash_FieldTechnicalServices	Dash_FieldTechnicalServices	In Use	Field Technical Services	Dash_Default		
122	Stanken, Phil (PWS)	Dash_FieldTechnicalServices	Dash_FieldTechnicalServices	In Use	Field Technical Services	Dash_Default		
123	Thurman, Jim (jthurman)	Dash_FieldTechnicalServices	Dash_FieldTechnicalServices	In Use	Field Technical Services	Dash_Default		
124	Warner, Mike (MFW)	Dash_FieldTechnicalServices	Dash_FieldTechnicalServices	In Use	Field Technical Services	Dash_Default		
125	Westkamp, Larry (LJW)	Dash_FieldTechnicalServices	Dash_FieldTechnicalServices	In Use	Field Technical Services	Dash_Default		
126	Wiley, Vern (VLW)	Dash_FieldTechnicalServices	Dash_FieldTechnicalServices	In Use	Field Technical Services	Dash_Default		



Step 10 – Training

Initially pulled whole departments into the training room for a two part back to back training.

- Section one “Dashboard”
- Section two “Web-Map”

Successful? – NO!!

- Chaotic, Slow, impossible to follow my training plan.

Why?

- Too many people
- Distractions
- User needs
- Skill levels
- Lack of interest
- Unhappy about change
- Too long

Step 10 – Continued

- New method of training
  - 5 people maximum
    - All from the same department
    - Similar skill levels
    - 1 hours blocks of time maximum
- Successful? – Yes
- Why?
  - Relaxed pace
  - Easy for everyone to follow along
  - Less distractions

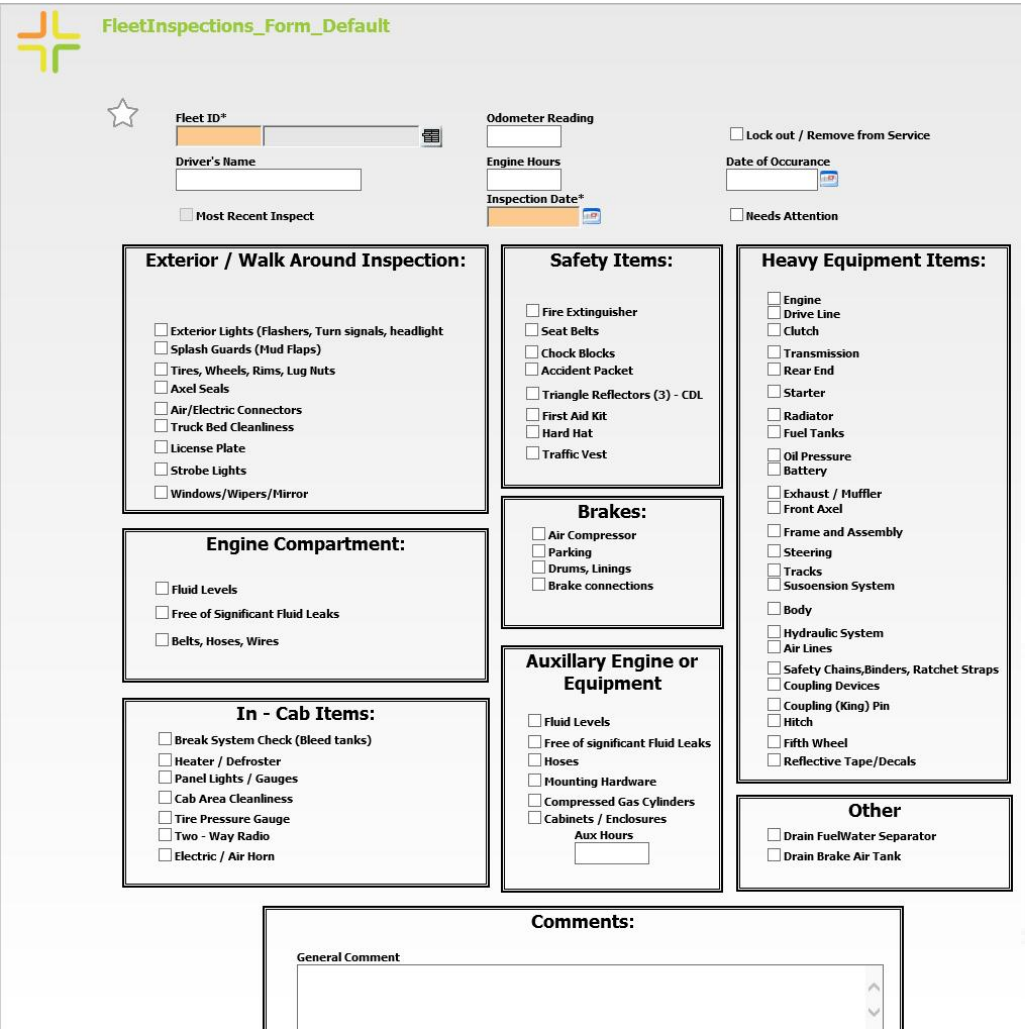
Dashboard success stories

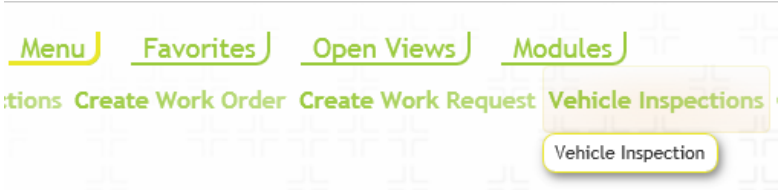
- Fleet Department
- Trouble calls

Tablet success stories

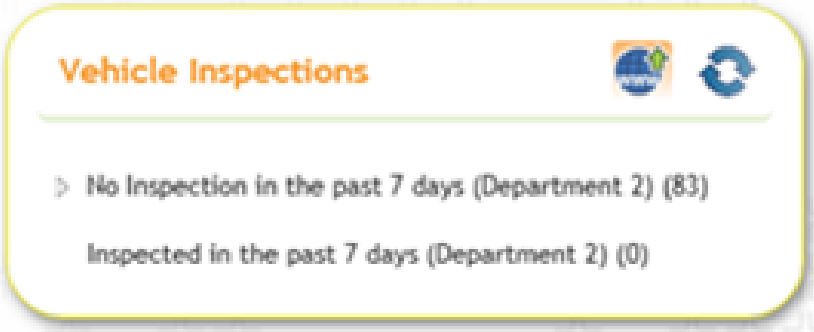
- Structure inspections

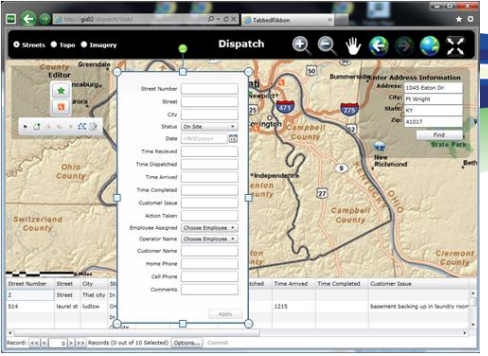
Fleet


FleetInspections_Form_Default
Fleet ID*
Odometer Reading
Lock out / Remove from Service
Driver's Name
Engine Hours
Date of Occurance
Inspection Date*
Most Recent Inspect
Needs Attention
Exterior / Walk Around Inspection:
Exterior Lights (Flashers, Turn signals, headlight
Splash Guards (Mud Flaps)
Tires, Wheels, Rims, Lug Nuts
Axel Seals
Air/Electric Connectors
Truck Bed Cleanliness
License Plate
Strobe Lights
Windows/Wipers/Mirror
Safety Items:
Fire Extinguisher
Seat Belts
Chock Blocks
Accident Packet
Triangle Reflectors (3) - CDL
First Aid Kit
Hard Hat
Traffic Vest
Heavy Equipment Items:
Engine
Drive Line
Clutch
Transmission
Rear End
Starter
Radiator
Fuel Tanks
Oil Pressure
Battery
Exhaust / Muffler
Front Axel
Frame and Assembly
Steering
Tracks
Susoension System
Body
Hydraulic System
Air Lines
Safety Chains,Binders, Ratchet Straps
Coupling Devices
Coupling (King) Pin
Hitch
Fifth Wheel
Reflective Tape/Decals
Engine Compartment:
Fluid Levels
Free of Significant Fluid Leaks
Belts, Hoses, Wires
Brakes:
Air Compressor
Parking
Drums, Linings
Brake connections
In - Cab Items:
Break System Check (Bleed tanks)
Heater / Defroster
Panel Lights / Gauges
Cab Area Cleanliness
Tire Pressure Gauge
Two - Way Radio
Electric / Air Horn
Auxillary Engine or Equipment
Fluid Levels
Free of significant Fluid Leaks
Hoses
Mounting Hardware
Compressed Gas Cylinders
Cabinets / Enclosures
Aux Hours
Other
Drain FuelWater Separator
Drain Brake Air Tank
Comments:
General Comment


Menu
Favorites
Open Views
Modules
tions
Create Work Order
Create Work Request
Vehicle Inspections
Vehicle Inspection

Vehicle Inspections
Needs Attention (2)
Lock Out / Tag Out (1)


Vehicle Inspections
No Inspection in the past 7 days (Department 2) (83)
Inspected in the past 7 days (Department 2) (0)



Menu Favorites Open Views Mo

ctions Create Work Order Create Work Request

Trouble Call

Trouble calls

lucity Home Menu Favorites Open Views Modules jbiedenbender

Dispatch

Trouble calls

- Past week's Trouble calls (39)
- All Trouble Calls (6370)

TC Recorded By (Business Hours)

- Added by Faye Cossins (0)
- Added by Kelli Ashcraft (0)
- Added by Erica Campbell (0)
- Added by Todd Denham (0)
- Added by Karen Derrer (1)
- Added by Karen Forsyth (74)
- Added by Jenny Klute (0)
- Added by Tracy Stephenson (470)
- Added by Richard Turner (401)
- Added by Kelli Williams (0)
- Added by Debbie Yeagle (301)
- Added by Jessica Farris (368)
- Added by Craig Massie (534)
- Added by Kayla Evans (81)
- Added by Jason Elfers (28)
- Added by Carolyn Backus (32)

TC Recorded By (After Hours)

- Added by Gerry Helm (40)
- Added by Clayton Ashcraft (679)
- Added by Mark Groger (31)
- Added by Robbie Strumpf (0)
- Added by Darrell Meader (198)
- Added by Al Carson (1005)
- Added by Paul Hartman (150)
- Added by Cap Kiser (70)
- Added by Jeremy Spada (189)
- Added by Rich Dixon (4)
- Added by Scott Guy (4)
- Added by James Freiemuth (1)
- Added by Jake Meader (16)
- Added by Mitch Harthun (7)

WorkRequests_Form_CallCenter

Status: 1 New Request — Status Date

CUSTOMER INFORMATION

Phone # | Home Phone # | Cell Phone #

Name | Last Name

Req Address | Req Street Name | Req City

Req Address 2 | Req Street Name 2 | Business

Building Type | Comment from Customers

REQUEST

Category: 1500 Trouble Call

Problem | Cause

Loc Address | Loc Street Name* | City (Payroll)*

Loc Street2 | Loc Street2 Name | Loc City*

Supervisor*: TC Trouble Call

DEPARTMENT/UTILITY LOCATES

Department: 2 Collection System | Sub Dept: 2.1 Customer Service

WO CUSTOM

System Type | Drainage Area #

CUSTOM

Weather Conditions | Info@

Tablet “Android App”

- We are still in Demo mode for the tablet.
- Setup
  - Documentation from Luke was very helpful
- Issues
  - SSL issue with dashboard
    - http://support.microsoft.com/kb/938397

Applications that use the Cryptography API cannot validate an X.509 certificate in Windows Server 2003

- Construction
- Customer Service
- Field Maintenance
- Outsource Contract
- Contractor Work
- Gerry Helm
- Dispatch(2)
- Repair or Rescore(1)

Greg Braunwart

- Open Work Orders Total: (55)
- Open Work Orders (1-10 days old) (5)
- Open Work Orders (10-20 days old) (2)
- Open Work Orders (20-30 days old) (7)
- Open Work Orders (>30 days old) (41)
- Closed In Field Total: (15)
- Closed in field (1-10 days old) (14)
- Closed in field (10-20 days old) (1)
- Closed in field (20-30 days old) (0)
- Closed in field (>30 days old) (0)

Craig Massie

- Open Work Orders Total: (10)
- Open Work Orders (1-10 days old) (1)
- Open Work Orders (10-20 days old) (2)
- Open Work Orders (20-30 days old) (1)
- Open Work Orders (>30 days old) (6)
- Closed In Field Total: (9)
- Closed in field (1-10 days old) (7)
- Closed in field (10-20 days old) (1)
- Closed in field (20-30 days old) (0)
- Closed in field (>30 days old) (1)

Darrell Meader

- Open Work Orders Total: (60)
- Open Work Orders (1-10 days old) (6)

Bill Mullins

- Open Work Orders Total: (91)
- Open Work Orders (1-10 days old) (6)

Construction Group

Dispatch(3)

Dave Ross - (Supervisor)

- Open (150)
  - New Work Order (119)
  - On-Going (29)
  - On-Hold (2)
- Closed In Field (0)
- Closed In Field & Est. Misc Cost = 0 (0)

Lead Workers

- Scott Breeze (59)
  - New Work Order (53)
    - Barscreen - (Weekly) (3)
    - Cleaned Grate (1)
    - Patton St. Bar Screen - (Weekly) (1)
    - Raised structure (13)
    - Removed structure (2)
    - Repaired line (3)
    - Repaired structure (4)
    - Replace frame and/or lid (2)
    - Restoration (5)
    - Sealed structure (8)
    - Vactor debris (10)
    - Vactored structure (1)
- Omer Blackburn (39)
- Paul Hartman (32)
- Undefined (18)

Tech Services (Work Status)
PS Inspections & Readings

Pump Stations

- SD1 PS (122)
- Walton PS (11)
- Airport PS (3)
- All (194)

Pumps & Generators

- Pump Station - Pumps (387)
- Generators & Stand By Pumps (92)

Valves

- ARV (184)

GIS - Home Page
Stormwater Inventory Quality Control
Sewer Inventory Quality Control

Pipes

Alt ID Number Incorrect (877)

Diameter = 0 or NULL (1710)

Pipe Shape = 0 or NULL (28062)

Material = 0 or NULL (14435)

Length Status = 0 or NULL (7516)

Owner = 0 or NULL (188)

Surface = NULL (51569)

Length = 0 or NULL (8)

Liner = 0 or NULL (52693)

Type = 0 or NULL (359)

Status = NULL (57789)

Flow Type = 0 or NULL (1602)

City = NULL (19389)

Abandoned with Incorrect Ownership (5)

Structures

Cover Material = 0 or NULL (29492)

Facility = 0 or NULL (14614)

Location = 0 or NULL (6094)

Rim Elevation = 0 or NULL (10987)

Component Type = 0 or NULL (413)

Structure Type = 0 or NULL (13629)

Diameter = 0 or NULL (35783)

Depth = 0 or NULL (21753)

Wall Material = 0 or NULL (29974)

Owner = NULL (1124)

City = 0 or NULL (10417)

Pump Stations

Owned by = Null (1)

Managed by = Null (1)

Station Type = Null (13)

Home
Menu
Favorites
Open Views
lucity
Dave Ross
Work Order #
Asset
Address
Street Name
Status Text
Status Date
14-018027
14-017755
14-016503
14-015905
14-018310 - Dye test (9/8/2014 - 9/8/2014)
Work Order Resources - Materials
Resource Type Text
Emp/Equip/Mat
Unit of Measure
Unit of Measure Text
Default Unit Cost
Hours or Quanity
Unit Cost
Total Cost
Grand Total Cost
Work Order Resources - Equipment
Equip Emp
Resource Type Text
Emp/Equip/Mat
Equipment Hours
Units - Grand Total
Estimated Units
Unit Cost
Total Cost
Grand Total Cost
Equipment
V-1252
1.00
1.00
0.00
23.000
23.00
23.00
Work Order Resources - Contractors
Resource Type Text
Emp/Equip/Mat
Alt Description
Department Text
Unit of Measure Text
Default Unit Cost
Hours or Quantity
Units - Grand Total
Work Order Resources - Employees
Resource Type Text
Emp/Equip/Mat
Department Text
Unit of Measure Text
Hours or Quantity
Regular Time Hours
Overtime Hours
Units - Grand Total
Employee
806
Collection System
Hours
0.00
1.00
0.00
1.00

Questions?

- Contact Info

Jerry Biedenbender, GIS Analyst

SD1

1045 Eaton Drive

Fort Wright, KY 41017

859-547-1655

jbiedenbender@sd1.org