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# Survey123 Tricks of the Trade (Live) **Automating Reports**

July 6, 2023

## Click here to watch a recording of this session



Ismael Chivite Senior Product Manager



Barbara Webster **Product Engineer** 



- Introducing Survey123 reports and automation
- Live Demonstrations:
  - Create a report when a survey is submitted
  - Schedule reports
  - Combine Survey123 and ArcGIS Power Automate modules
- A few tips and live Q&A





#### Survey123 reports

- Create beautiful PDF reports from your Survey123 data
- Include maps, photos, signatures, tables and more...
- Create your report templates using Microsoft Word
- Request reports:
  - Interactively
  - Programmatically
  - Through no-code automation





#### OKLAHOMA HIGHWAY PATROL Criminal Interdiction Report

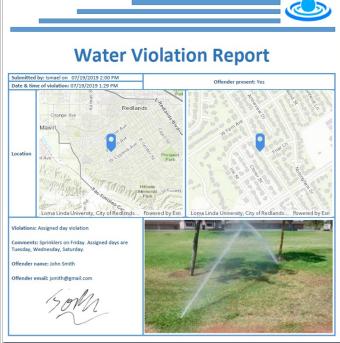


CASE DETAILS				
<b>Date:</b> Jul 19, 2019	Time: 11:39	Military Time: 1139 Hours		
Criminal Interdiction Case #: CI-1563512400000-A	OHP CR#: CR-000123	Interdiction Type: Narcotic , Weapon Trafficking , Stolen Property , Financial Crimes , Fraudulant Documents , Wanted Person , Human Trafficking , Other		

#### Reason For Stop:

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec aliquam leo vulputate, auctor urna eget, condimentum augue. Ut scelerisque viverra leo sed dapibus. Maecenas sit amet egestas tellus. Nunc condimentum ut sem ut elementum. Proin lectus metus, egestas vitae libero eu, egestas vehicula sapien. Donec tempor justo in aliquet laoreet. Donec vel felis efficitur, mattis risus a, imperdiet ligula. Aliquam erat volutpat. Morbi vitae volutpat odio. In dapibus enim ante, ut vehicula ante congue ac.

ut ullamcorper sapien. Morbi lum dapibus dictum mauris at et metus consectetur, lacinia

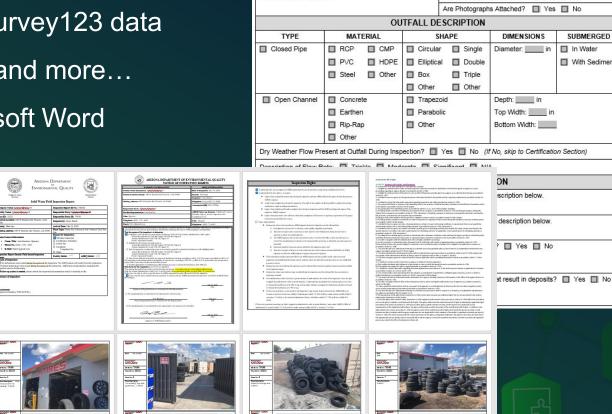






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Open Space

Land Uses in Outfall Drainage Area (Select All):

Suburban Residential

Other:

MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

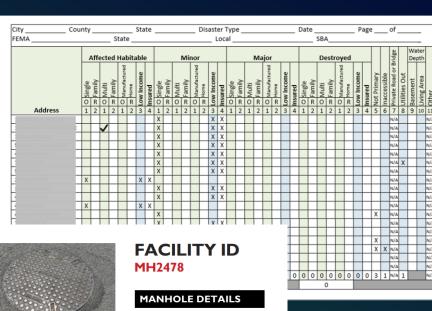
NPDES Permit No .:

Outfall ID No.

Not familiar with Reports? Check this webinar

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The purpose of this inspection was to identify risks for blockage and obstruction within Western Gardens maintenance survey. The team inspected three manholes located in Area One.

The weather conditions permitted clear visibility above ground as it was a sunny spring day at 75°F. There were no obstructions preventing access to in-depth analysis below ground using CCTV pipeline inspection.

illustrate the connecting and nearby sewers, storm drains and fire hydrants illustrated on page four.

All observations are captured in this report and are accurate as per the date and time provided.

Depth	4 m	
Diameter	45 cm	
Rim Elevation	52 m	
Invert Elevation	49 m	

DEFECTS	
Component	Defect Type
Channel	Surcharge Evidence
Channel	Infiltration
Wall	Structural
Pipe	Debris Deposit
Inlet/Outlet	Surcharge Evidence
Cover	Structural





This sample report illustrates a modern design leveraging data from a fictitious ArcGIS Survey 123 manhole inspection. Information in this section may include any disclaimers or other field observations not captured in the





### New to Survey123 Reports?













#### **About Microsoft Power Automate**

- Part of Microsoft Office 365
- No-code workflow automation software
  - Automate repetitive tasks
  - Bring together, visually, hundreds of apps and services
- Includes out of the box connectors for ArcGIS and Survey123

# Take care of what's important. Automate the rest.

Do more with less by streamlining repetitive tasks and business processes—increasing efficiency and reducing costs—with Microsoft Power Automate.

Start free >

Take a guided tour >



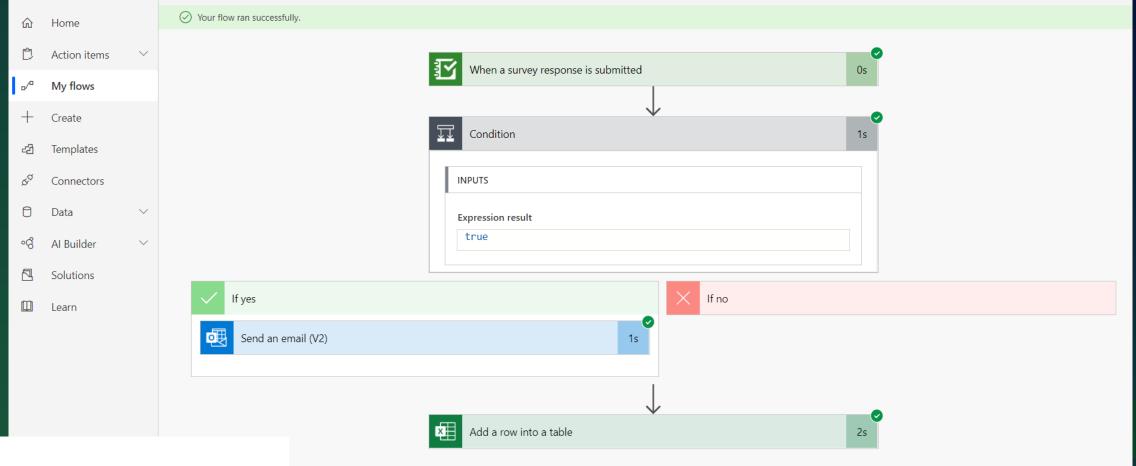
















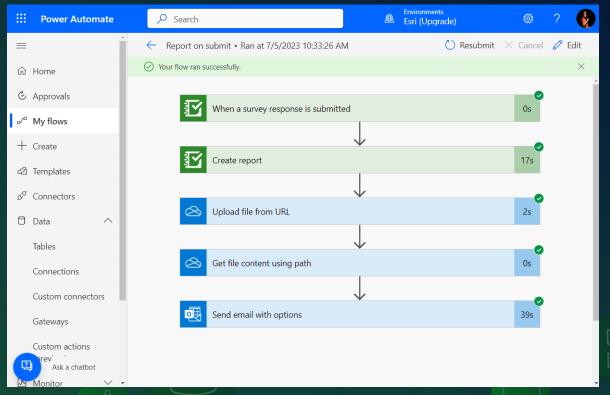






#### Report automation with Survey123 and Microsoft Power Automate

- New Create report action in the Survey123 module!
- Create reports:
  - When a survey is submitted
  - On a schedule



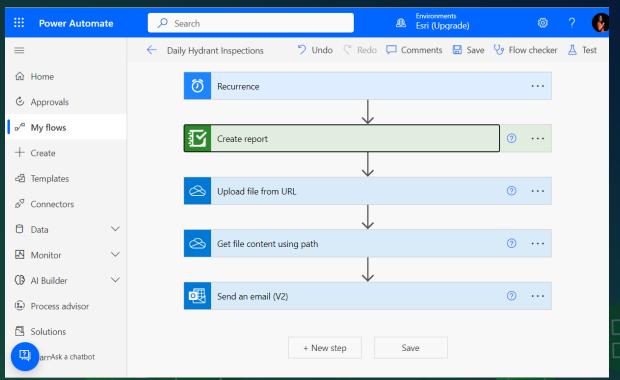






### Report automation with Survey123 and Microsoft Power Automate

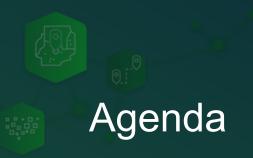
- New Create report action in the Survey123 module!
- Create reports:
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You can now schedule the creation of reports in Power Automate



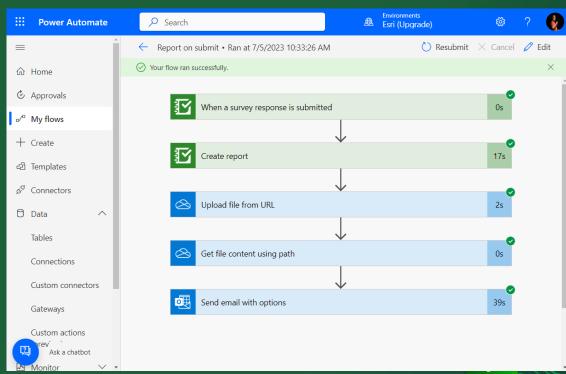


- Introducing Survey123 reports and automation
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## Demo

Create a report (and email it to someone) when a survey is submitted





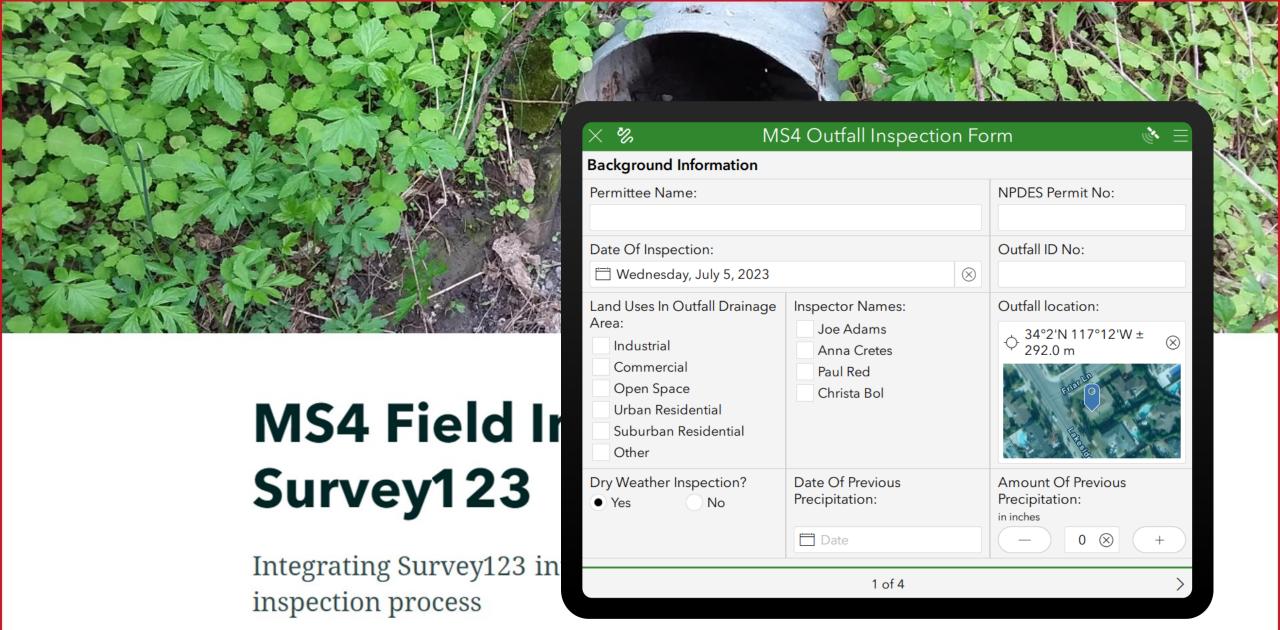


# MS4 Field Inspections & Survey123

Integrating Survey123 into your organization's stormwater inspection process

Shane Adams- GIS Specialist - College Township Engineering - Spring Creek Watershed MS4 Partners
December 27, 2022





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December 27, 2022





December 27, 2022

## 3800-FM-BCW0521 12/2015 MS4 Outfall Field Screening Report DE Pennsytvama DEMONSTRUCTURE DEMONST

COMMONWEALTH OF PENN SYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

#### MS4 OUTFALL FIELD SCREENING REPORT

	BACK	GROUND	INFORMATIO	ON	ή) 
Permittee Name:		NPDES Permit No.: PA			
Date of Inspection:			Outfall ID No.:		
Land Uses in Outfall Drainage Area (Select All):		Latitude: ""			
☐ Industrial ☐ Urban Residential		Longitude: ""			
Commercial Suburban Residential		Dry Weather Inspection?			
Open Space Other:		Date of Previous Precipitation:			
ACCURATION OF THE CONTROL OF THE CON			Amount of Previous Precipitation: in		
Inspector Name(s):			Were Photographs Taken?    Yes    No		
			Are Photographs Attached?  Yes No		
	OU	TFALL D	ESCRIPTION		
TYPE	MATERIAL		SHAPE	DIMENSIONS	SUBMERGED
Closed Pipe	RCP CMP	Circula	ar 🔲 Single	Diameter: in	☐ In Water
21200	■ PVC ■ HDPE	■ Elliptic	al Double	300	With Sediment
	Steel Other	■ Вох	■ Triple		
		Other	Other		
Open Channel	Concrete	☐ Trape:	oid Depth: in		
	☐ Earthen ☐ Parabo		lic Top Width: in		
	☐ Rip-Rap ☐ Other		Bottom Width:		
	☐ Other				
Dry Weather Flow Pr	esent at Outfall During Insp	ection?	Yes 🔳 No (//	f No, skip to Certification	on Section)
Description of Flow F	Rate: Trickle Mod	erate 🔲 S	Significant 🔲 N/	A	
	DRY WE	ATHER FI	OW EVALUA	TION	
Does the dry weather	r flow contain color?	es 🗖 No	If Yes, provide a	description below.	
Does the dry weather	r flow contain an odor?	Yes 🔳 N	No If Yes, provide	e a description below.	
		NOW AND DESCRIPTIONS			
Is there an observed	change in the receiving wa	ters as a res	sult of the dischar	ge? 🔲 Yes 🔲 No	
If Yes, provide a desi	cription below.				
Does the dry weather If Yes, provide a design	r flow contain floating solids cription below	s, scum, she	en or substances	that result in deposits?	? Yes No
	input tolon.				

# MS4 Field Inspection Survey123

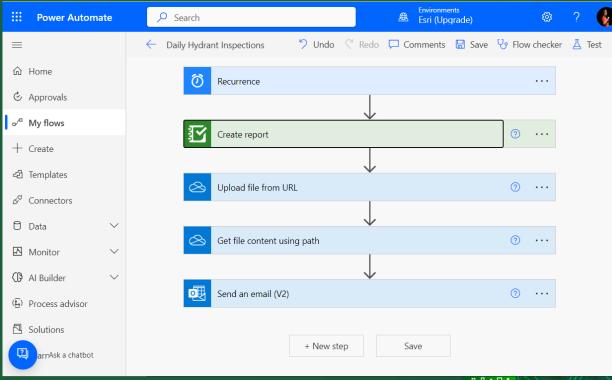
Integrating Survey123 into your organizinspection process

Shane Adams- GIS Specialist - College Township Engineering - Spring Creek watersned MS4 Partners



## Demo

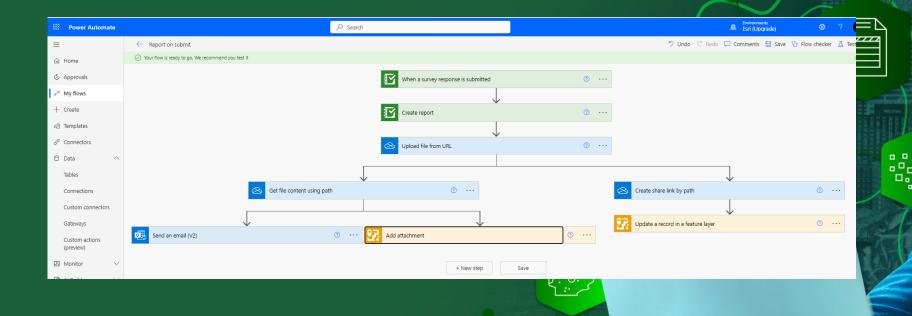
Create a daily report at 10:00pm





# Demo

Combine Surve123 and ArcGIS connectors





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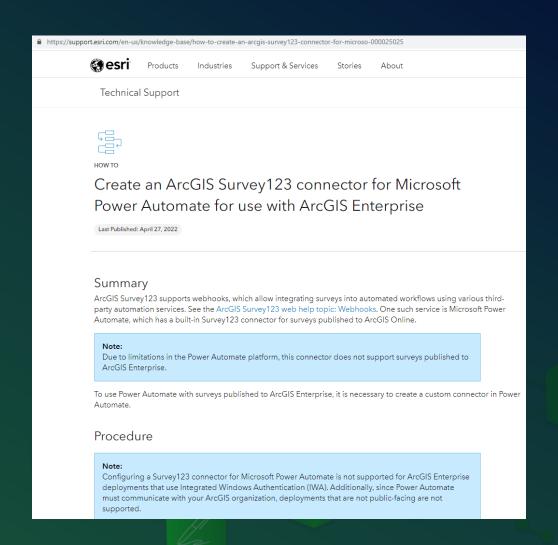
### Tip 1: Managing Survey123 Connections

- Survey123 connections expire after two weeks
  - Not a big deal when you use the 'When a survey response is submitted trigger'
  - A real problem when you schedule reports
- Workaround:
  - Refresh your connection before it expires
  - Make sure all your flows use the same Survey123 connection...
  - ... do not create new connections!
- Note: Survey123 development team working with Microsoft to address this



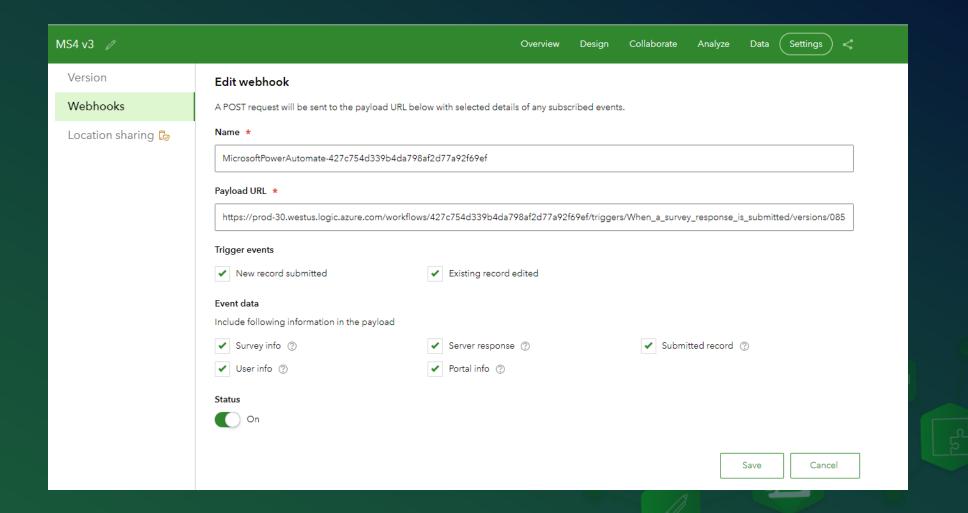
#### Tip 2: Working with ArcGIS Enterprise

- Create a custom Survey123 connector to automate tasks with ArcGIS Enterprise
- Limitations:
  - IWA not supported
  - Your Enterprise instance must have a web adaptor





#### Tip 3: Trigger a flow when a record is updated





#### Don't miss Survey123 sessions at the Esri UC 2023!

