

WEB-BASED GREENIT DATA ENTRY APP

User Guide V4



GreenIT: Data Entry Application



User Manual
PWD Design Report Definitions

Login to GreenIT

User Name

Password

Login

[Forgot your password?](#)

Don't have an account? [Sign Up](#)

DOCUMENT CONTROL

Document Information

	Information
Document Owner	PWD
Issue Date	10/18/17
Last Saved Date	1/5/23
File Name	Web-Based GreenIT Data Entry App User Guide

Document History

Version	Issue Date	Changes
Version 1.0		Initial Document Creation
Version 1.1	5/22/13	Various Updates to document
Version 1.2	4/24/14	Updates to installation instructions
Version 2	5/14/15	Updated to accommodate the new functionality developed in version 2: <ul style="list-style-type: none"> Added support for the “As Maintained phase” Added validation rules Added support for new SMP types Enhanced the export process Added tab for viewing calculated fields
Version 2.1	9/22/15	Updated to accompany new business rules and some minor changes to the .pdf reports. <ul style="list-style-type: none"> Added sand as a storage type Included more validation rules to address all data scenarios Removed Tree Pit Volume from reporting Modified credited greened acre and credited storm size managed fields to only calculate if sewer type = Combined.
Version 3.0	10/18/17	<ul style="list-style-type: none"> Moved App to a web-based platform Added new system level fields to support <i>Green City, Clean Waters</i> compliance model Incorporated new validation rules to ensure data correctness and completeness for new fields Updated greened acre and storm size managed calculations for new fields Updated to remove Infiltration Column from the possible SMP’s.
Version 3.01	7/6/18	<ul style="list-style-type: none"> Added validation logic for infiltration footprint and model input category Added password warning message
Version 3.02	4/22/19	<ul style="list-style-type: none"> Added functionality to support Import of PWD files

		<ul style="list-style-type: none"> • Added validation rule for model input category • Updated business rule documentation
Version 3.02	6/5/20	<ul style="list-style-type: none"> • Changed multiple tool tip definitions • Added Model Input Category= Inlet Disconnection • Add new SMP type = Inlet Disconnection • Added Pretreatment Type =Water Quality Device
Version 4	8/17/22	<ul style="list-style-type: none"> • Added backend database changes to support synchronization with central GreenIT system • Reorganized the project screen with a tabbed approach • Added ability to input different data for Design, As-Built and As-Maintained phases • Added the ability to submit data for review and approval and submission to central GreenIT system • Added the ability to approve and reject data • Added CIPIT status to display fields • Automatic population from GreenIT data of Work Number and Name fields based on Project ID • Removed unnecessary project level fields: <ul style="list-style-type: none"> ○ Work number name ○ Design Consultant ○ Surveyor ○ Infiltration Contractor ○ Project Location
Version 4.01	1/5/23	<ul style="list-style-type: none"> • Added the “Request Share” button • Removed the owner concept for projects

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OVERVIEW

This document serves as the user guide for the Web-based *GreenIT Data Entry App* and provides a description of the App functionality. The App provides a mechanism for off-site consultants and PWD staff to input information related to the design and construction of specific projects, systems, and SMP's. In addition, the App allows for the generation of reports for the Design, As-Built, and As-Maintained phases. For more information about PWD's green metrics reporting requirements and associated definitions of all fields, see the GSI Planning & Design Resources website, *GreenIT Design Report Definitions*, available online at: <https://water.phila.gov/pool/files/greenit-design-report-definitions.pdf>.

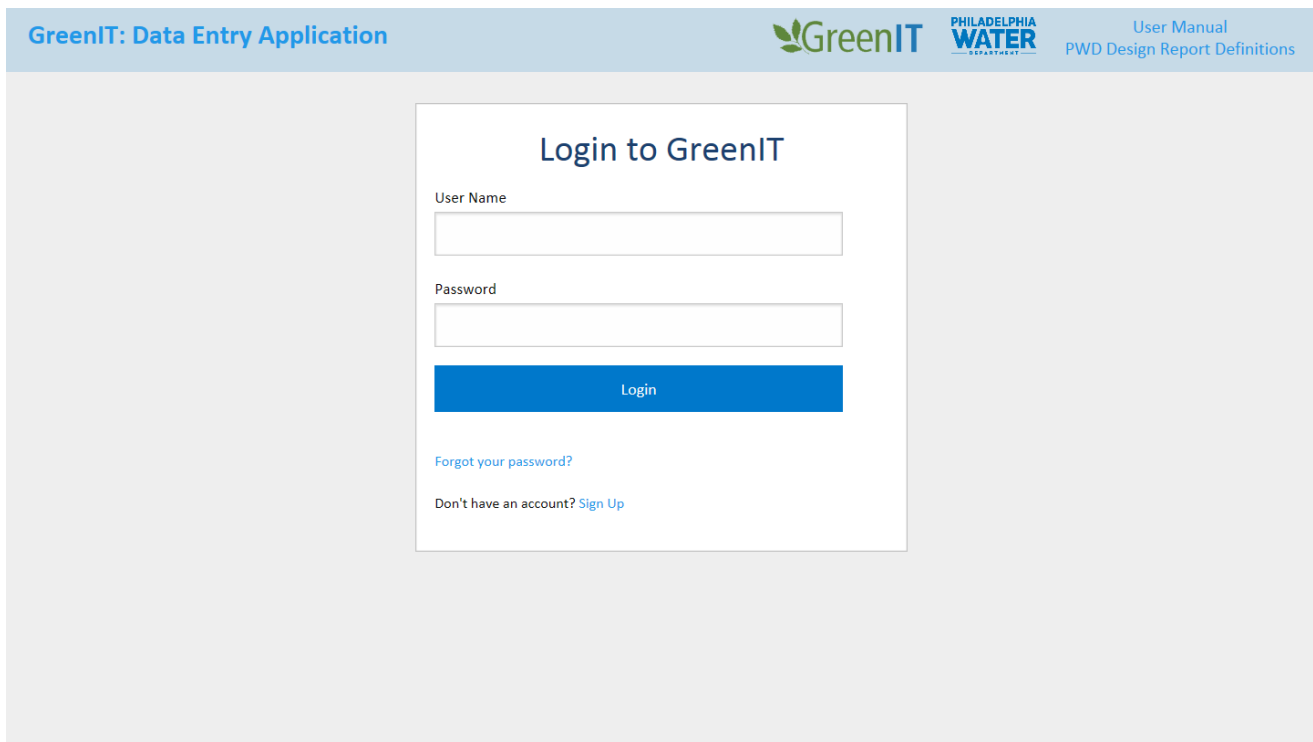
The GreenIT Data Entry App was previously available as a stand-alone, off-site App originally released in 2013 and was moved to a web-based platform in 2017. In 2022, the application was again updated to support automated synchronization with the central GreenIT system and thereby eliminating the need for file export and import.

Assumptions/Preconditions

- ❖ Supports Browsers include Edge, Chrome, and Firefox. User should be running a current version of the browsers.
- ❖ Reports will be generated in .pdf formats.

The App can be accessed via the following link (URL): www.greenitapp.philadelphiawater.org.

Questions regarding the GreenIT Data Entry Application can be directed to: PWD.GreenITApp@phila.gov.

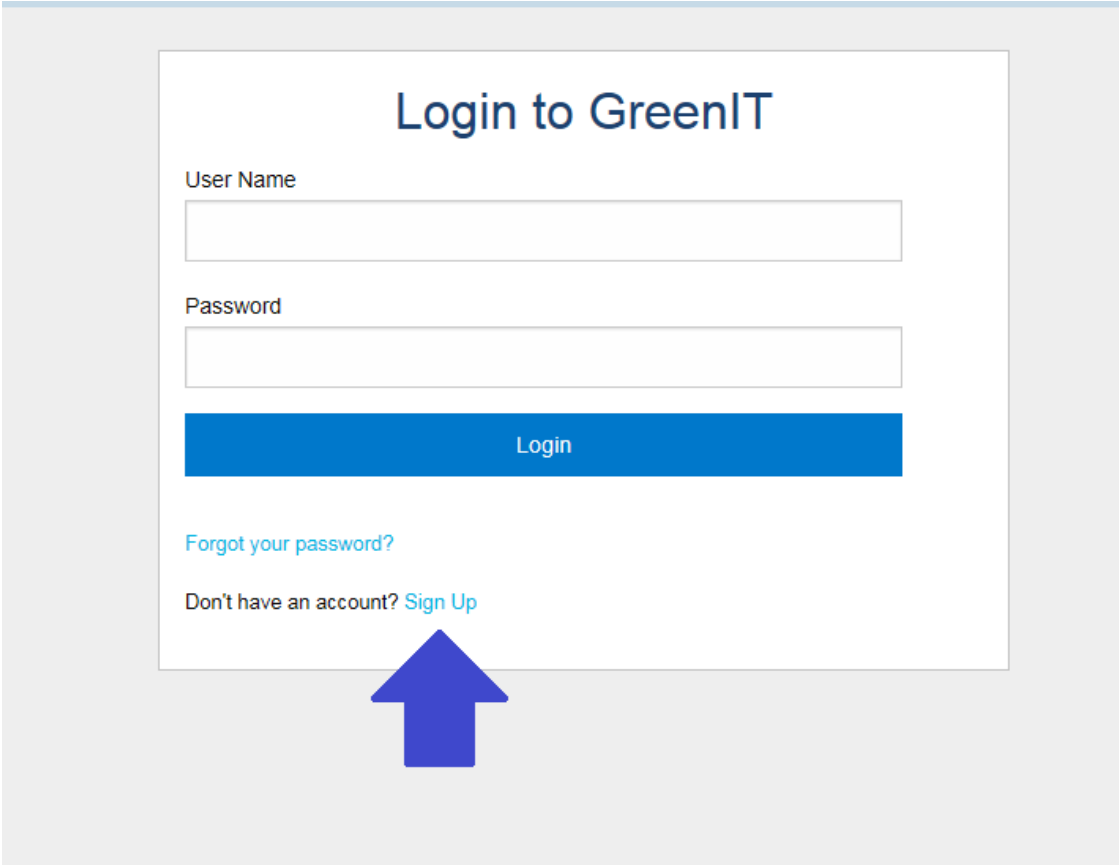


The screenshot shows the login interface for the GreenIT Data Entry Application. At the top, there is a header bar with the text "GreenIT: Data Entry Application" on the left, the "GreenIT" logo in the center, and the "PHILADELPHIA WATER DEPARTMENT" logo on the right. To the right of the Philadelphia Water Department logo, the text "User Manual" and "PWD Design Report Definitions" is visible. The main content area is a white box with a light blue border. Inside this box, the title "Login to GreenIT" is centered at the top. Below the title, there are two input fields: "User Name" and "Password". Below the "Password" field is a blue "Login" button. At the bottom of the white box, there are two links: "Forgot your password?" and "Don't have an account? Sign Up".

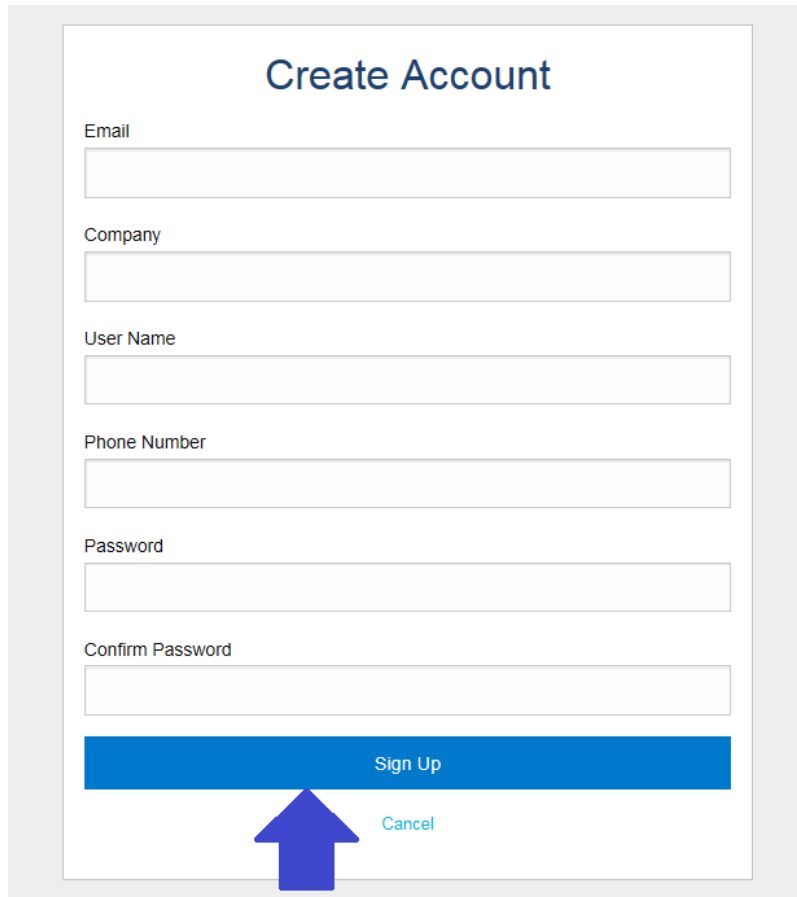
CREATING AN ACCOUNT

To access the GreenIT web App, an account must be created. It is recommended that each individual user create an account; however, companies can also opt to create a single account for their company.

1. To Create an Account, click "Sign Up" on the App landing page.





2. Complete the 'Create Account' form and click 'Sign Up'. Passwords must have at least one uppercase ('A'-'Z'), one lowercase ('a'-'z'), and one non-alphanumeric character. **Passwords must be at least 10 characters in length.**



The screenshot shows a 'Create Account' form with the following fields: Email, Company, User Name, Phone Number, Password, and Confirm Password. At the bottom of the form, there is a blue 'Sign Up' button and a 'Cancel' link. A large blue arrow points upwards towards the 'Sign Up' button.

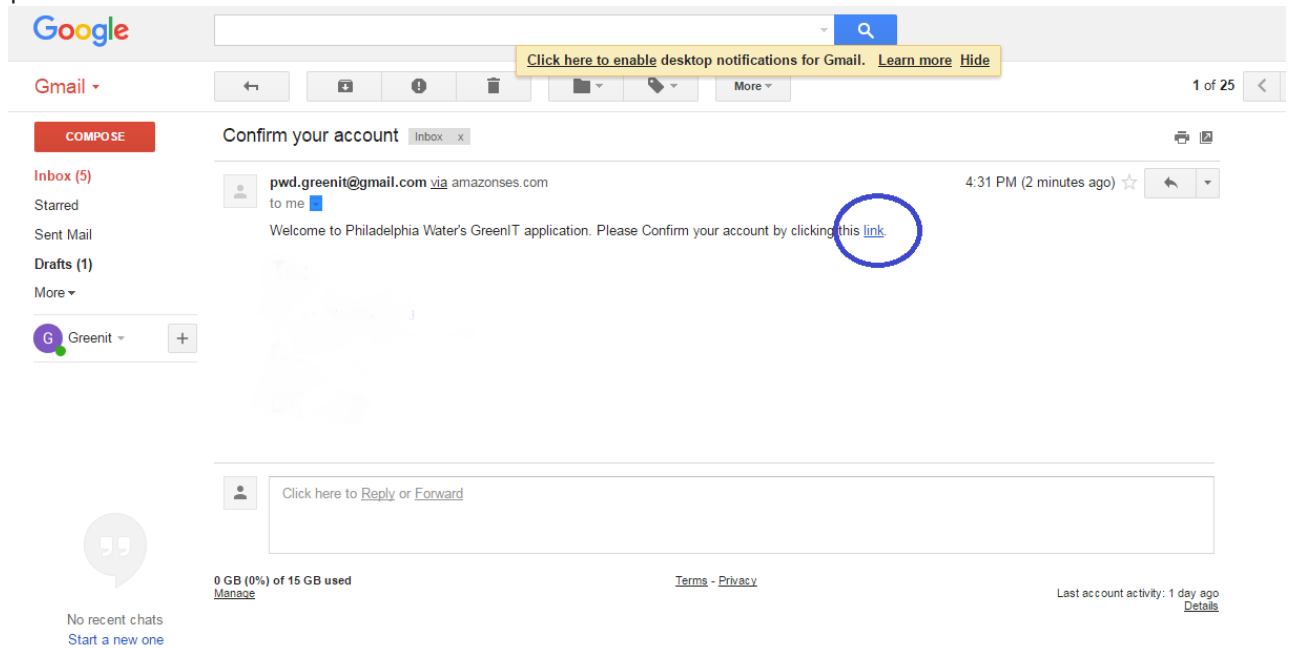
3. If the account request is submitted successfully, the following message will appear at the top of the web page.

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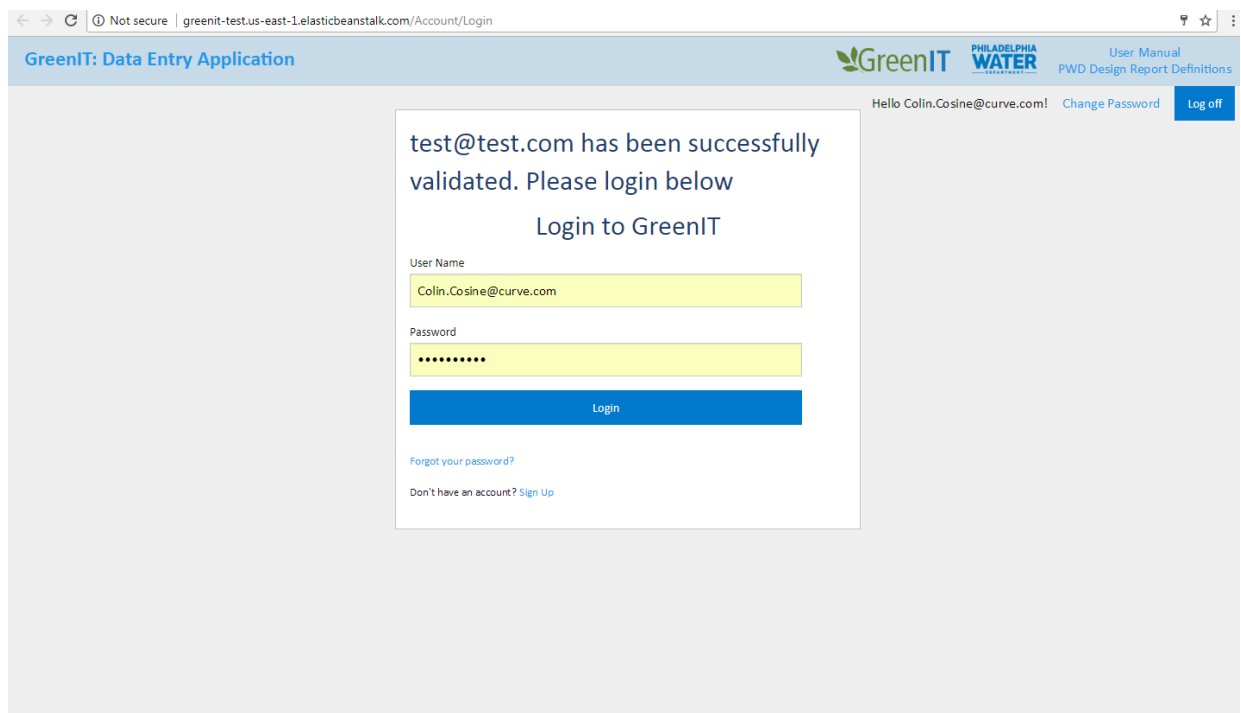
Waiting on Approval

Your request for an account has been received and the administrators have been notified. You will receive a confirmation email shortly letting you know the outcome of your approval.


- A PWD Administrator will process the request within a couple of days. Once the account request is approved by an administrator, the system will send an email. Confirm the account by clicking the link provided in the email.



- The following message will then be displayed. User should now be able to login to the App.



APP DASHBOARD

The App dashboard provides the ability to search for projects, to view all projects, to add new projects, to edit projects, to submit changes for review, to review changes, and to create report(s). All arrow icons  are navigation links and can be clicked at any time during App use.

GreenIT: Data Entry Application (8/10/22) - TEST GreenIT PHILADELPHIA WATER PHILADELPHIA WATER DEPARTMENT User Manual PWD Design Report Definitions

Dashboard Hello aarauj@jmttg.com!

Project name, work number, author or ID

Work Number	Project ID	Project Name	Latest Phase	# Sys	CIPIT Status	GreenIT Contact	Design Status	As-Built Status	As-Maintained Status	Last Update	Last Editor	Last Reviewer	Edit	Submit/Review	Reports
50005	1	7th St, 8th St, and Cumberland St (Hartranft School)	As Maintained	3	Closed	Jillian Simmons	Complete - Draft	Complete - Approved	Complete - Draft	8/10/2022	Jsimmons			<input type="button" value="Submit Changes"/>	<input type="button" value="PDF"/>
50020	2	Welsh School	As Maintained	2	Closed	Jillian Simmons	Complete - Approved	Complete - Draft - Phase Author Missing	Incomplete Systems - Approved	8/9/2022	Jsimmons				<input type="button" value="PDF"/>
50004	3	Belfield Ave from Chew Ave to Walnut Ln	As Maintained	12	Closed	Jillian Simmons	Complete - Approved	No Data	Complete - Approved	8/10/2022	IMPORT				<input type="button" value="PDF"/>
50009	5	Queen Lane from Henry St to Fox St	As Maintained	7	Closed	Laura Rozumalski	Complete - Approved	Incomplete Systems - Approved	Incomplete Systems - Draft - Phase Author Missing	8/8/2022	Colin.Cosine@curve.com				<input type="button" value="PDF"/>
50002	8	Montgomery Ave, Shissler Playground	As Built	3	Closed	Jessica Brooks	Complete - Draft	Complete - Approved	No Data	8/5/2022	Colin.Cosine@curve.com			<input type="button" value="Submit Changes"/>	<input type="button" value="PDF"/>
50005	9	Palmer St from Frankford Ave to Blair St (Shissler Playground)	As Built	2	Closed	Jillian Simmons	Complete - Approved	Incomplete Systems - Approved	No Data	8/3/2022	Colin.Cosine@curve.com				<input type="button" value="PDF"/>
50034	10	Thompson St and Columbia Ave	As Maintained	2	Closed	Shelly Jones	Complete - Approved	Incomplete Systems - Approved	Incomplete Systems - Draft - Phase Author Missing	8/10/2022	IMPORT				<input type="button" value="PDF"/>
50003	12	4th St and Cambridge St (Bodine High School)	As Maintained	7	Closed	Jillian Simmons	Complete - Approved	Complete - Approved	Incomplete Systems - Draft - Phase Author Missing	8/10/2022	IMPORT				<input type="button" value="PDF"/>

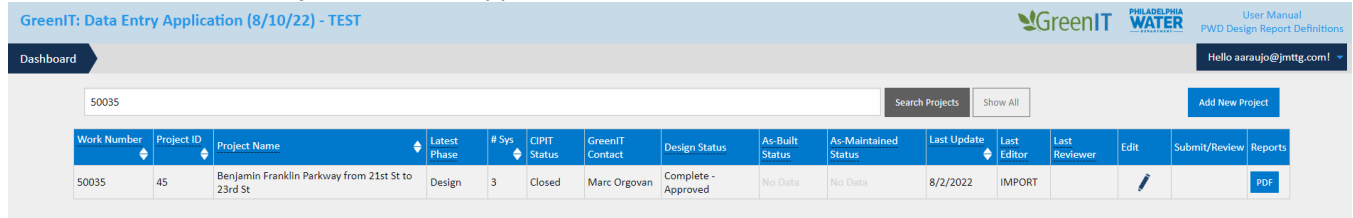
Search Projects with Filter

Users can search for projects by:

1. Project Name
2. Work Number
3. Author
4. Project ID

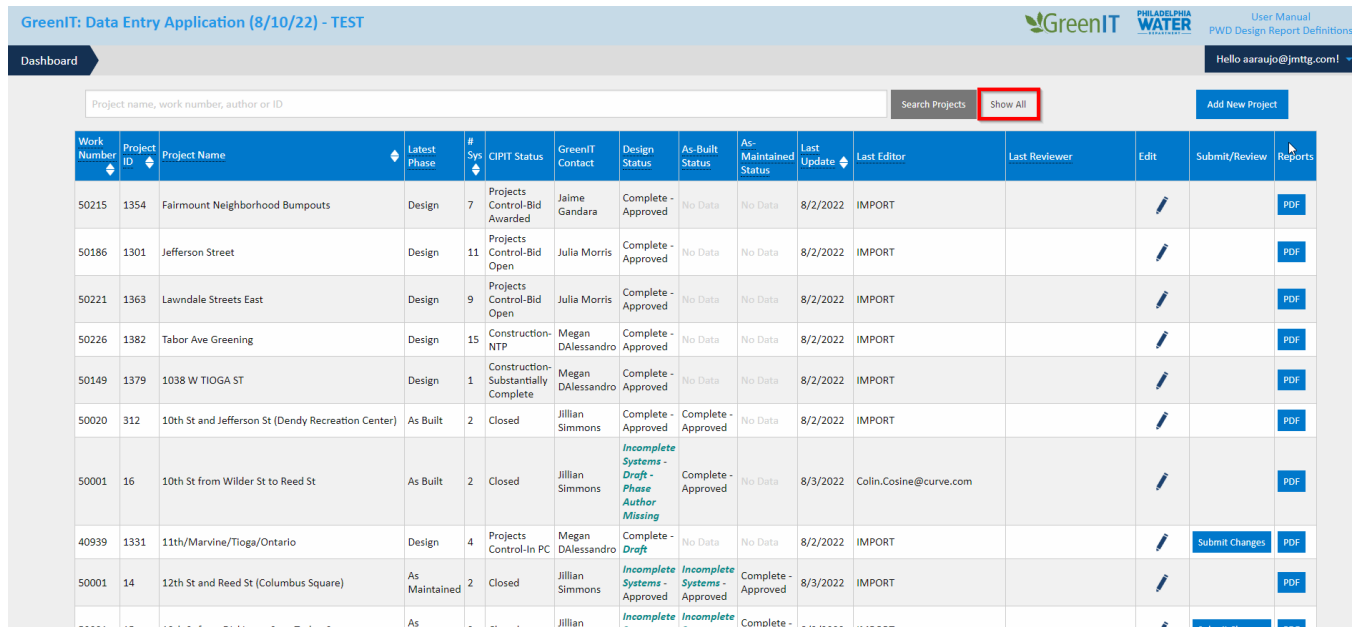
Search steps:

1. Enter 'Work Number', 'Project Name', 'Project ID', or 'Author' in the search text box.
2. Click 'Search Projects' and the App will return the desired results.



View all projects and Clear Search Filter

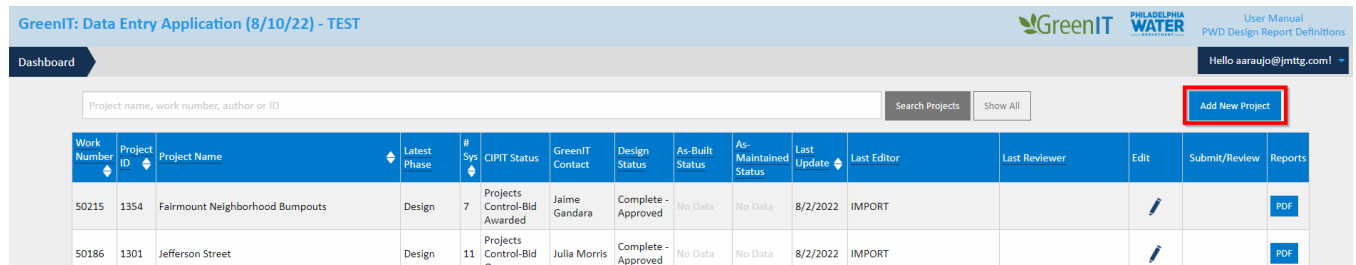
Users can view all projects in the database by selecting 'Show All'. This button also can be used to clear an existing search filter.



Add New Project

A user can add a new project to the web App. The steps include:

1. Select 'Add New Project' in the top corner of the Dashboard.



- Enter either a PWD project identifier or work number and the corresponding project name, identifier and work number will automatically populate after tabbing away from the text input box. If entering a project that is already in use, a message alerting the user to enter a different project will appear. Complete any other applicable attributes and click 'Save New Project'. A warning message will appear if all required information is not provided.

The screenshot shows the 'Create New Project' form in the GreenIT Data Entry Application. The form fields include Project ID, Work Number, Project Name, GreenIT Contact, CIPIT Status, # of Non SMP Trees, and Notes. An error message box titled 'Invalid Work Number' is displayed in the center, stating: '55555 is not a valid PWD work number. Please enter a different work number.' The 'Save New Project' button is visible at the bottom.


The screenshot shows the 'Create New Project' form with the following data entered: Project ID: 1, Work Number: 50005, Project Name: 7th St, 8th St, and Cumberland St (Hartranft School), GreenIT Contact: Jillian Simmons, CIPIT Status: Closed, # of Non SMP Trees: 0. The 'Save New Project' button is highlighted with a red arrow, indicating it is the next step.

- If Project ID and work number are unique, project will save successfully. System and SMP data can now be added, and the new project is now viewable and editable in the App 'Dashboard'.

The screenshot shows the 'Dashboard' view of the GreenIT Data Entry Application. A search bar at the top allows for searching by project name, work number, author, or ID. Below the search bar is a table listing the projects. The table has columns for Work Number, Project ID, Project Name, Latest Phase, # Sys, CIPIT Status, GreenIT Contact, Design Status, As-Built Status, As-Maintained Status, Last Update, Last Editor, Last Reviewer, Edit, Submit/Review, and Reports.

Work Number	Project ID	Project Name	Latest Phase	# Sys	CIPIT Status	GreenIT Contact	Design Status	As-Built Status	As-Maintained Status	Last Update	Last Editor	Last Reviewer	Edit	Submit/Review	Reports
50005	1	7th St, 8th St, and Cumberland St (Hartranft School)	As Maintained	3	Closed	Jillian Simmons	Complete - Draft	Complete - Approved	Complete - Draft	8/10/2022	Jsimmons			Submit Changes	PDF








Select Project for View/Edit/Sharing

1. On the Dashboard, click the  next to the project to be viewed/edited.

GreenIT: Data Entry Application (8/10/22) - TEST

Dashboard

Project name, work number, author or ID Search Projects Show All [Add New Project](#)

Work Number	Project ID	Project Name	Latest Phase	# Sys	CIPIT Status	GreenIT Contact	Design Status	As-Built Status	As-Maintained Status	Last Update	Last Editor	Last Reviewer	Edit	Submit/Review	Reports
50005	1	7th St, 8th St, and Cumberland St (Hartranft School)	As Maintained	3	Closed	Jillian Simmons	Complete - Draft	Complete - Approved	Complete - Draft	8/10/2022	Jsimmons			Submit Changes	PDF
50020	2	Welsh School	As Maintained	2	Closed	Jillian Simmons	Complete - Approved	Complete - Draft - Phase Author Missing	Incomplete Systems - Approved	8/9/2022	Jsimmons				PDF
50004	3	Belfield Ave from Chew Ave to Walnut Ln	As Maintained	12	Closed	Jillian Simmons	Complete - Approved	No Data	Complete - Approved	8/10/2022	IMPORT				PDF
50009	5	Queen Lane from Henry St to Fox St	As Maintained	7	Closed	Laura Rozumalski	Complete - Approved	Incomplete Systems - Draft - Phase Author Missing	Incomplete Systems - Approved	8/8/2022	Colin.Cosine@curve.com				PDF
50002	8	Montgomery Ave, Shissler Playground	As Built	3	Closed	Jessica Brooks	Complete - Draft	Complete - Approved	No Data	8/5/2022	Colin.Cosine@curve.com			Submit Changes	PDF
50005	9	Palmer St from Frankford Ave to Blair St (Shissler Playground)	As Built	2	Closed	Jillian Simmons	Complete - Approved	Complete - Systems - Approved	No Data	8/3/2022	Colin.Cosine@curve.com				PDF
50034	10	Thompson St and Columbia Ave	As Maintained	2	Closed	Shelly Jones	Complete - Approved	Incomplete Systems - Approved	Incomplete Systems - Draft - Phase Author Missing	8/10/2022	IMPORT				PDF

2. The Edit Project page opens, and user can edit information as needed for each phase individually. Clicking on the tabs highlighted below allows a user to identify the phase for which data will be entered.

GreenIT: Data Entry Application (8/10/22) - TEST

Dashboard Project 1-7th St, 8th St, and Cumberland St (Hartranft School) [View Report](#) [Rollback Changes](#)

Hello aarajujo@jmttg.com!

Edit Project: 7th St, 8th St, and Cumberland St (Hartranft School)

[Fields](#) [Share Project](#)

Project ID: 1 Work Number: 50005 Latest Phase: As Maintained

Project Name: 7th St, 8th St, and Cumberland St (Hartranft School) Last Update: 8/10/2022 Last Approver:

CIPIT Status: Closed GreenIT Contact: Jillian Simmons

Design As-Built As-Maintained

[Fields](#) [Calculations](#)

Status: Complete Notes: Greened acres updated to include tree pits and sand layer storage. IQ 5/20/2015. Greened acres updated to include tree pits and sand layer storage. IQ 5/21/2015.

Author: Jillian Simmons

of Non-SMP Trees: 0

Project Systems [Update System Names & Numbering](#) [Copy Existing Systems](#) [Create New](#)

- User selects 'Save Project Changes', and the associated information is updated.

GreenIT: Data Entry Application (8/10/22) - TEST

Dashboard Project 1-7th St, 8th St, and Cumberland St (Hartranft School)

CIPIT Status: Closed GreenIT Contact: Jillian Simmons

Design As-Built As-Maintained

Fields Calculations

Status: Complete

Author: Jillian Simmons

of Non-SMP Trees: 0

Notes: Greened acres updated to include tree pits and sand layer storage. IQ 5/20/2015. Greened acres updated to include tree pits and sand layer storage. IQ 5/21/2015.

Project Systems

Id	System Number	Sewer Type	System Function	Model Input Category	Last Updated	Completion Status	Edit Status	# SMPs
1	1-1	Combined	Infiltration	Subsurface Infiltration	8/10/2022	Complete	Draft	1
2	1-2	Combined	Detention/Slow Release	Subsurface slow release (unlined)	8/4/2022	Complete	Draft	1
3	1-3	Combined	Detention/Slow Release	Subsurface slow release (unlined)	8/2/2022	Complete	Approved	1

Return to Dashboard Save Project Changes

- User can view project level calculation by clicking the 'Calculations' tab. This can be done for each phase. (NOTE: values will be null until systems and SMP's are added).

GreenIT: Data Entry Application (8/10/22) - TEST

Dashboard Project 1-7th St, 8th St, and Cumberland St (Hartranft School)

Edit Project: 7th St, 8th St, and Cumberland St (Hartranft School) View Report Rollback Changes

Fields Share Project

Project ID: 1 Work Number: 50005 Latest Phase: As Maintained

Project Name: 7th St, 8th St, and Cumberland St (Hartranft School) Last Update: 8/10/2022 Last Approver:

CIPIT Status: Closed GreenIT Contact: Jillian Simmons

Design As-Built As-Maintained

Fields Calculations

Draft Approved

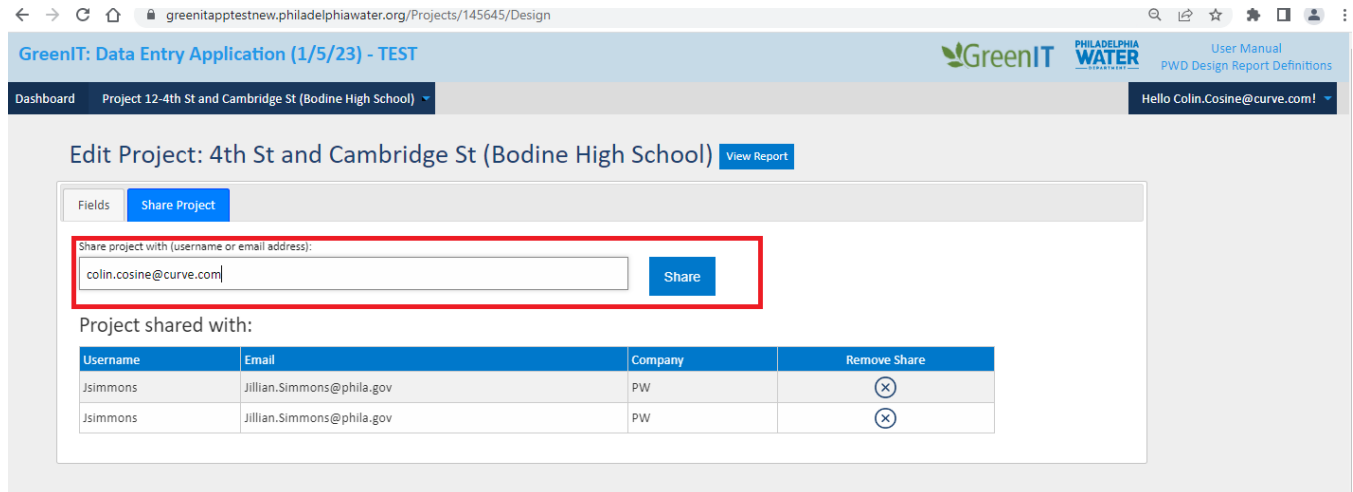
Total Impervious Area Managed (sf)	44,327	Total Greened Acres (acre-in)	0.97
Total Storage Volume (cf)	3,527	Total Credited Greened Acres (acre-in)	1.53
Total System Trees	6		

Project Systems

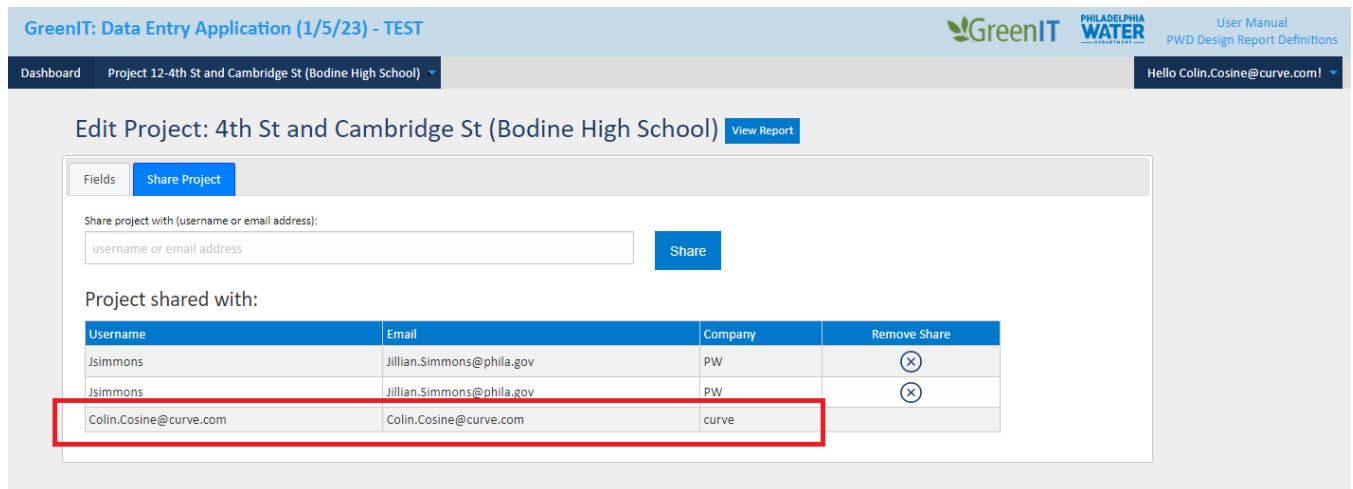
Id	System Number	Sewer Type	System Function	Model Input Category	Last Updated	Completion Status	Edit Status	# SMPs
1	1-1	Combined	Infiltration	Subsurface Infiltration	8/10/2022	Complete	Draft	1

Share Project

Sharing allows for other users to view, edit, or delete a project. Users can share a project by clicking on the ‘Share Project’ tab, typing in the specific username or email address with whom to share the project (**NOTE: the username must match exactly**), and then clicking ‘Share’.



User will then be added to the shared list.



Projects can be “unshared” by clicking the ⊗ next to the desired username in the “Remove Share” column.

*****As part of the final design submission, Design Consultants should “Share” all Projects in the work number with the PWD Green Contact. This allows the PWD Green Contact to edit the files if needed for as-built and as-maintained phases.*****

Requesting a Share

On the app dashboard, users can request access to a project by selecting the “Request Share” button.

The screenshot shows the GreenIT Data Entry Application dashboard. At the top, there is a search bar with the text "Project name, work number, author or ID". To the right of the search bar are buttons for "Search Projects", "Show All", "Request Share" (highlighted with a red box), and "Add New Project". Below the search bar is a table with the following columns: Work Number, Project ID, Project Name, Latest Phase, # Sys, CIPIT Status, GreenIT Contact, Design Status, As-Built Status, As-Maintained Status, Last Update, Last Editor, Last Reviewer, Edit, Submit/Review, and Reports. The table contains two rows of data:

Work Number	Project ID	Project Name	Latest Phase	# Sys	CIPIT Status	GreenIT Contact	Design Status	As-Built Status	As-Maintained Status	Last Update	Last Editor	Last Reviewer	Edit	Submit/Review	Reports
50020	2	Welsh School	As Maintained	2	Closed	Jillian Simmons	Complete - Approved	Complete - Draft	Incomplete Systems - Approved	12/21/2022	bpliszka5			Submit Changes	PDF
50002	8	Montgomery Ave, Shissler Playground	As Built	3	Closed	Jessica Brooks	Complete - Draft	Complete - Approved	No Data	8/14/2022	IMPORT			Submit Changes	PDF

User enters the desired Work Number or Project Id in the pop up.

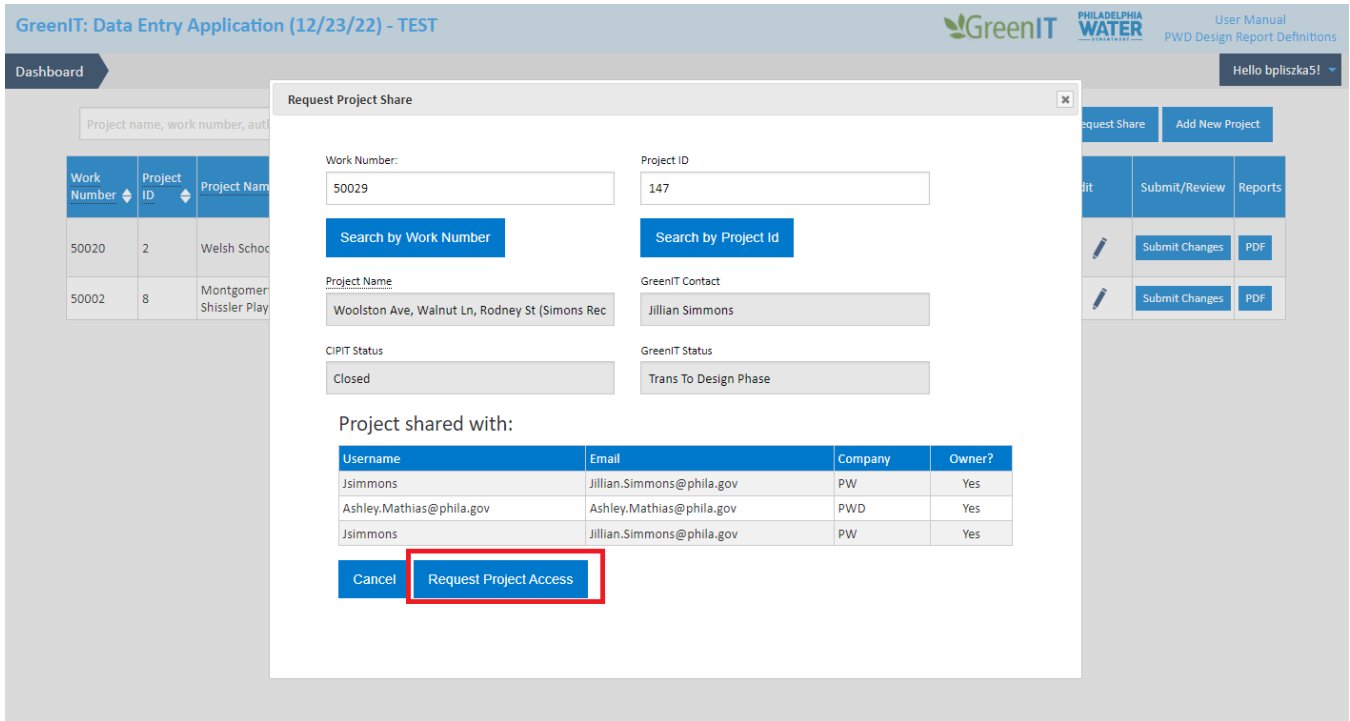
The screenshot shows the "Request Project Share" dialog box. It has two input fields: "Work Number:" and "Project ID:". The "Work Number:" field contains the value "50029" and is highlighted with a red box. Below the input fields are two buttons: "Search by Work Number" and "Search by Project ID". There is also a "Cancel" button at the bottom left of the dialog box.

User then clicks the appropriate search button and, if more than 1 option exists, chooses the appropriate project from the list.

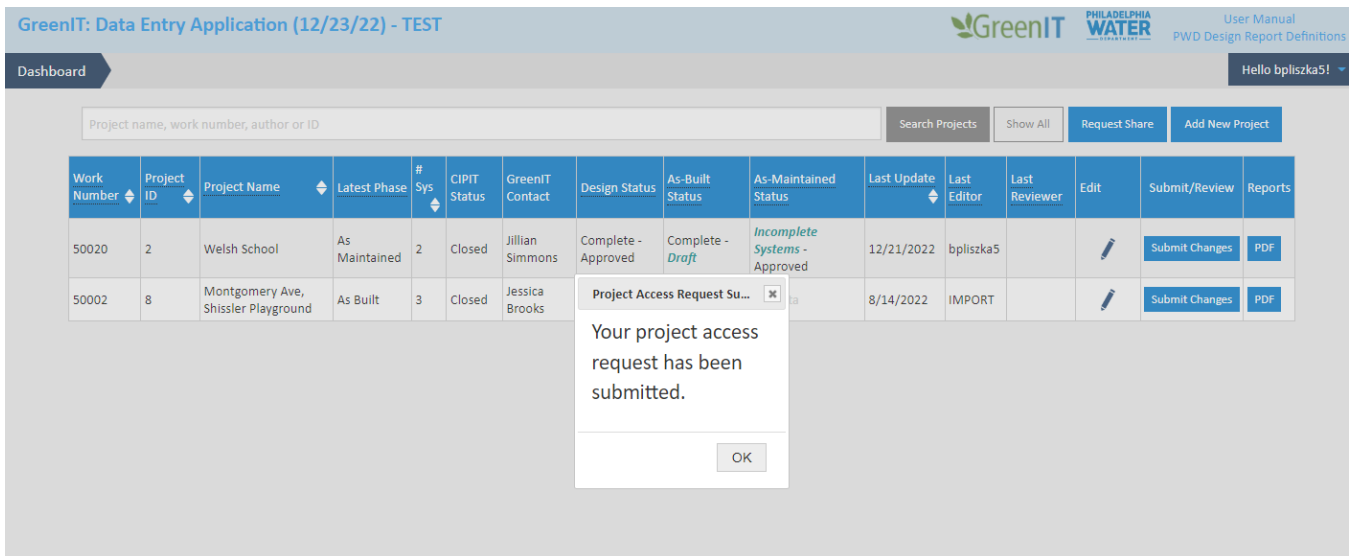
The screenshot shows the "Request Project Share" dialog box. The "Work Number:" field contains "50029". The "Search by Work Number" button is highlighted with a red box. Below the search buttons, a dropdown menu is open, showing a list of project options. The dropdown menu is highlighted with a red box and contains the following text:

- Select a Project...
- Select a Project...
- 147-Woolston Ave, Walnut Ln, Rodney St (Simons Recreation Center)
- 179-Morris Leeds Middle School

The selected project information is displayed. User clicks “Request Project Access”.



A confirmation message will be returned. User must wait for admin approval before accessing the project. **User will be notified via email when access is granted.**



Approve a Share Request

Admins have the ability to approve share requests by accessing the “Share Requests” option in the dropdown menu. Admins will be notified via email when a share request has been added to the cue.

GreenIT: Data Entry Application (12/23/22) - TEST

GreenIT PHILADELPHIA WATER PWD Design Report Definitions User Manual

Dashboard

Hello Colin.Cosine@curve.com!

Project name, work number, author or ID

Search Projects Show All Request Share

Work Number	Project ID	Project Name	Latest Phase	# Sys	CIPIT Status	GreenIT Contact	Design Status	As-Built Status	As-Maintained Status	Last Update	Last Editor
50020	2	Welsh School	As Maintained	2	Closed	Jillian Simmons	Complete - Approved	Complete - Draft	Incomplete Systems - Approved	12/21/2022	bpliszka5
50004	3	Belfield Ave from Chew Ave to Walnut Ln	As Maintained	6	Closed	Jillian Simmons	Complete - Approved	No Data	Complete - Approved	8/14/2022	IMPORT
50009	5	Queen Lane from Henry St to Fox St	As Built	6	Closed	Laura Rozumalski	Complete - Approved	Incomplete Systems - Approved	No Data	8/19/2022	Jsimmons
50002	8	Montgomery Ave, Shissler Playground	As Built	3	Closed	Jessica Brooks	Complete - Draft	Complete - Approved	No Data	8/14/2022	IMPORT
50005	9	Palmer St from Frankford Ave to Blair St (Shissler Playground)	As Built	2	Closed	Jillian Simmons	Complete - Approved	Incomplete Systems - Approved	No Data	8/14/2022	IMPORT
50034	10	Thompson St and Columbia Ave	As Maintained	2	Closed	Shelly Jones	Complete - Approved	Incomplete Systems - Approved	Complete - Draft	8/14/2022	IMPORT

Manage Accounts
Pending Edits (Admin)
Share Requests
Import/Export Logs
Approve Edit Requests
My Pending Edit Requests
Change Password
Log off

Users can approve or deny the request.

GreenIT: Data Entry Application (12/23/22) - TEST

GreenIT PHILADELPHIA WATER PWD Design Report Definitions User Manual

Dashboard

Hello Colin.Cosine@curve.com!

Project Share Requests

Show Pending Requests Only Show All Requests

Id	Work Number	Name	Requested By	Request Date	Status	Approve?
147	50029	Woolston Ave, Walnut Ln, Rodney St (Simons Recreation Center)	bpliszka@jmt.com	1/5/2023 1:34 PM	Pending	Approve Deny
10	50034	Thompson St and Columbia Ave	Colin.Cosine@curve.com	12/22/2022 5:32 PM	Pending	Approve Deny
223	50025	13th St, Porter St, and Moyamensing Ave (A.S. Jenks School)	Jillian.Simmons@phila.gov	12/22/2022 2:05 PM	Pending	Approve Deny
1298	50133	Additional Lawncrest Streets	Jillian.Simmons@phila.gov	12/22/2022 2:04 PM	Pending	Approve Deny
123	50031	58th St Connector(Bartram's Garden, Francis Myers Rec, Cobbs Creek Park)	Colin.Cosine@curve.com	12/13/2022 6:22 PM	Pending	Approve Deny
45	50035	Benjamin Franklin Parkway from 21st St to 23rd St	Colin.Cosine@curve.com	12/12/2022 4:30 PM	Pending	Approve Deny
45	50035	Benjamin Franklin Parkway from 21st St to 23rd St	Colin.Cosine@curve.com	12/12/2022 4:22 PM	Pending	Approve Deny
45	50035	Benjamin Franklin Parkway from 21st St to 23rd St	Colin.Cosine@curve.com	12/12/2022 4:15 PM	Pending	Approve Deny

When approved the status will be updated for the desired project.

GreenIT: Data Entry Application (12/23/22) - TEST GreenIT PHILADELPHIA WATER User Manual PWD Design Report Definitions

Dashboard Hello Colin.Cosine@curve.com!

Project Share Requests

Show Pending Requests Only Show All Requests

Id	Work Number	Name	Requested By	Request Date	Status	Approve?	
147	50029	Woolston Ave, Walnut Ln, Rodney St (Simons Recreation Center)	bpliszka@jmt.com	1/5/2023 1:34 PM	Approved	Approve	Deny
586	50089	Mariana Bracetti Academy Charter School	kyle.mattson@phila.gov	12/30/2022 1:30 PM	Approved	Approve	Deny
123	50031	58th St Connector(Bartram's Garden, Francis Myers Rec, Cobbs Creek Park)	Jillian.Simmons@phila.gov	12/22/2022 6:04 PM	Rejected	Approve	Deny
1147	50139	Passyunk Avenue Medians Improvements	Jillian.Simmons@phila.gov	12/22/2022 6:03 PM	Approved	Approve	Deny
10	50034	Thompson St and Columbia Ave	Collin.Cosine@curve.com	12/22/2022 5:32 PM	Pending	Approve	Deny
223	50025	13th St, Porter St, and Moyamensing Ave (A.S. Jenks School)	Jillian.Simmons@phila.gov	12/22/2022 2:05 PM	Pending	Approve	Deny
1298	50133	Additional Lawncrest Streets	Jillian.Simmons@phila.gov	12/22/2022 2:04 PM	Pending	Approve	Deny
8	50002	Montgomery Ave, Shissler Playground	bpliszka@jmt.com	12/21/2022 7:27 PM	Approved	Approve	Deny
2	50020	Welsh School	bpliszka@jmt.com	12/21/2022 3:31 PM	Approved	Approve	Deny

SYSTEM DATA

The Edit Project screen provides the ability to add a new system to a project, to copy an existing system to add to a project, to edit an existing system, update system numbering, create data for a specific phase, and to delete a system.

GreenIT: Data Entry Application (8/11/22) - TEST

GreenIT PHILADELPHIA WATER

User Manual PWD Design Report Definitions

Dashboard Project 1-7th St, 8th St, and Cumberland St (Harttrant School) Hello aaraujo@jnttg.com!

CIPIT Status: Closed GreenIT Contact: Jillian Simmons

Design As-Built As-Maintained

Fields Calculations

Status: Complete

Author: Jillian Simmons

of Non-SMP Trees: 0

Notes: Greened acres updated to include tree pits and sand layer storage. IQ 5/20/2015. Greened acres updated to include tree pits and sand layer storage. IQ 5/21/2015.

Project Systems Update System Names & Numbering Copy Existing Systems Create New

Id	System Number	Sewer Type	System Function	Model Input Category	Last Updated	Completion Status	Edit Status	# SMPs	
1	1-1	Combined	Infiltration	Subsurface infiltration	8/10/2022	Complete	Draft	1	
2	1-2	Combined	Detention/Slow Release	Subsurface slow release (unlined)	8/4/2022	Complete	Draft	1	
3	1-3	Combined	Detention/Slow Release	Subsurface slow release (unlined)	8/2/2022	Complete	Approved	1	

Return to Dashboard Save Project Changes

Add New System

A user can add a new system to the project. The steps involved include:

1. User selects 'Create New' at bottom of Project Details page

The screenshot shows the 'Project Details' page for 'Project 1-7th St, 8th St, and Cumberland St (Hartman School)'. The 'Project Systems' table at the bottom has a 'Create New' button highlighted in red. The table contains the following data:

id	System Number	Sewer Type	System Function	Model Input Category	Last Updated	Completion Status	Edit Status	# SMPs	
1	1-1	Combined	Infiltration	Subsurface infiltration	8/10/2022	Complete	Draft	1	
2	1-2	Combined	Detention/Slow Release	Subsurface slow release (unlined)	8/4/2022	Complete	Draft	1	
3	1-3	Combined	Detention/Slow Release	Subsurface slow release (unlined)	8/2/2022	Complete	Approved	1	

2. User is brought to the Create New System Page

The screenshot shows the 'Create New System' page. The 'System Number' field is populated with '1-4'. The 'System ID' field is populated with '4'. The 'Completion Status' field is empty. The 'System Name' field is populated with '1-4'. The 'Pre-existing Sewer Type' field is empty. The 'Overflow Type' field is empty. The 'Model Input Category' field is empty. The 'System Function' field is empty. The 'Infiltration Test Type' field is empty. The 'Infiltration Test Date' field is empty. The 'Underdrain?' checkbox is unchecked. The 'Contributing Impervious Area (sf)' field is empty. The 'Contributing Pervious Area (sf)' field is empty. The 'Surface DCIA (sf)' field is empty. The 'Subsurface DCIA (sf)' field is empty. The 'Disconnected Impervious Area (sf)' field is empty. The 'Storage Volume (cf)' field is empty. The 'Total System Volume (cf)' field is empty. The 'Soil Storage Volume (cf)' field is empty. The 'Ponded Storage Volume (cf)' field is empty. The 'Storage Volume Below Orifice (cf)' field is empty. The 'Storage Footprint Area (sf)' field is empty. The 'Infiltration Footprint (sf)' field is empty. The 'Ponding Surface Area (sf)' field is empty. The 'Infiltration Depth Head (ft)' field is empty. The 'Slow Release Hydraulic Head (ft)' field is empty. The 'Orifice Diameter (in)' field is empty.

3. User can select which phases they would like to create for the system (via checkboxes upon clicking "Save New System").

GreenIT: Data Entry Application (8/11/22) - TEST

GreenIT PHILADELPHIA WATER PWD Design Report Definitions User Manual

Dashboard Project 1-7th St, 8th St, and Cumberland St (Hartranft School) Hello aaraju@jmtg.com!

Initiation

Infiltration Test Type Ponding Surface Area (sf) Infiltration Depth Head (ft)

Infiltration Test Date Slow Release Hydraulic Head (ft) Orifice Diameter (in)

Infiltration Rate (in/hr) Borehole Depth (ft) Override Calculated Storm Size Managed? Calculated Storm Size Managed (in):

Bedrock Encountered?

Groundwater Encountered?

Primary Program

Parking

Secondary Program(s)

Alleys/Driveways

Campuses

Facilities

Industry & Business

Open Space

Schools

Streets

Variant 1 and

Select Phases

Select the phases you want to create new system data for:

Design (required)

As-Built

As-Maintained

OK Cancel

Cancel and Return to Project Save New System

If the user does not select certain phases, they will show with NO DATA when the System is created.

GreenIT: Data Entry Application (8/11/22) - TEST

GreenIT PHILADELPHIA WATER PWD Design Report Definitions User Manual

Dashboard Project 1-7th St, 8th St, and Cumberland St (Hartranft School) System 1-4 Hello aaraju@jmtg.com!

Design (HAS PENDING EDITS) As Built (NO DATA) As Maintained (NO DATA)

THIS IS DRAFT DATA

Fields (Design) - Draft Calculations (Design) - Draft

Not Constructed? Reason Not Constructed

Project Phase

System ID 4 Completion Status No SMPs

System Name 1-4

Pre-existing Sewer Type Separate

Overflow Type Sewer System

Model Input Category Green Roof Underdrain?

System Function Disconnection

Infiltration Test Type

Infiltration Test Date

System Number 1-4

Contributing Impervious Area (sf)

Contributing Pervious Area (sf)

Surface DCIA (sf)

Subsurface DCIA (sf)

Disconnected Impervious Area (sf) 11

Storage Volume (cf)

Total System Volume (cf)

Soil Storage Volume (cf)

Ponded Storage Volume (cf)

Storage Volume Below Orifice (cf)

Storage Footprint Area (sf)

Infiltration Footprint (sf)

Ponding Surface Area (sf)

Infiltration Depth Head (ft)

Slow Release Hydraulic Head (ft)

Orifice Diameter (in)

*Phases can be added later from the project page.

GreenIT: Data Entry Application (8/11/22) - TEST

GreenIT PHILADELPHIA WATER PWD Design Report Definitions User Manual

Dashboard Project 1-7th St, 8th St, and Cumberland St (Hartranft School) System 1-4 Hello aaraju@jmtg.com!

Design (HAS PENDING EDITS) As Built (NO DATA) As Maintained (NO DATA)

No as-built phase data exists. Return to the project page to create as-built data for this project.

Return to Project

4. User enters system information
 - a. System ID is automatically generated sequentially and can be updated using “Update System Identifiers”.
 - b. System Number is a combination of Project ID and System ID
 - c. Number of SMP’s is not editable; this is a summation of the number of SMP’s associated with a system.
 - d. App warns if project is missing required information. User selects ‘OK’ and information is saved

5. System is now viewable, editable, and delete-able on the project edit page. If all required system and SMP data is not provided, then “Status” will show as “Incomplete”.

ID	System Number	Sewer Type	System Function	Model Input Category	Last Updated	Completion Status	Edit Status	# SMPs
1	1-1	Combined	Infiltration	Subsurface infiltration	8/10/2022	Complete	Draft	1
2	1-2	Combined	Detention/Slow Release	Subsurface slow release (unlined)	8/4/2022	Complete	Draft	1
3	1-3	Combined	Detention/Slow Release	Subsurface slow release (unlined)	8/2/2022	Complete	Approved	1
4	1-4	Separate	Disconnection	Green Roof	8/11/2022	No SMPs	Pending Addition	0

Copy Existing System

As an alternative to creating a new system, a user can copy an existing system(s) and add it to a project.

1. User selects 'Copy Existing Systems' at bottom of Project Details page

The screenshot shows the GreenIT Data Entry Application interface. At the top, it displays 'GreenIT: Data Entry Application (8/11/22) - TEST' and the Philadelphia Water logo. The main content area shows project details for 'Project 1-7th St, 8th St, and Cumberland St (Hartman School)'. The 'Project Systems' table is visible, with the 'Copy Existing Systems' button highlighted in red. The table contains the following data:

ID	System Number	Sewer Type	System Function	Model Input Category	Last Updated	Completion Status	Edit Status	# of SMPs	
1	1-1	Combined	Infiltration	Subsurface infiltration	8/10/2022	Complete	Draft	1	
2	1-2	Combined	Detention/Slow Release	Subsurface slow release (unlined)	8/4/2022	Complete	Draft	1	
3	1-3	Combined	Detention/Slow Release	Subsurface slow release (unlined)	8/2/2022	Complete	Approved	1	
4	1-4	Separate	Disconnection	Green Roof	8/11/2022	No SMPs	Pending Addition	0	

2. In the "Copy System Information" popup, the user selects the checkbox next to the system and manually enters the number of copies for each selected system. The user then selects "Copy Selected Systems". System is copied and added to the list of systems on the project details page.

The screenshot shows the 'Copy Existing Systems' popup dialog. The dialog title is 'Copy Existing Systems' and it contains the instruction: 'Select the systems you wish to copy, as well as the number of copies of each system to make:'. The dialog lists the systems from the table above, with checkboxes and input fields for the number of copies. The 'Copy Selected Systems' button is highlighted.

Select	# of Copies	ID	Name	Sewer Type	Function	# of SMPs
<input type="checkbox"/>	1	1	SWT-A2	Combined	Infiltration	1
<input type="checkbox"/>	1	2	SWT-B2 & SWT-A3	Combined	Detention/Slow Release	1
<input type="checkbox"/>	1	3	SWT-B3	Combined	Detention/Slow Release	1

Update System Numbering

This functionality allows users to change the System ID in the event there were errors or changes from what was initially entered. The changes will affect both System and SMP Numbering.

1. On the Project Details screen, user selects “Update System Numbering”.

The screenshot shows the 'Project Systems' table with the following data:

Id	System Number	Sewer Type	System Function	Model Input Category	Last Updated	Completion Status	Edit Status	# SMPs
1	1-1	Combined	Infiltration	Subsurface infiltration	8/10/2022	Complete	Draft	1
2	1-2	Combined	Detention/Slow Release	Subsurface slow release (unlined)	8/4/2022	Complete	Draft	1
3	1-3	Combined	Detention/Slow Release	Subsurface slow release (unlined)	8/2/2022	Complete	Approved	1
4	1-4	Separate	Disconnection	Green Roof	8/11/2022	No SMPs	Pending Addition	0
5	1-5	Separate	Disconnection	Green Roof	8/11/2022	No SMPs	Pending Addition	0

2. In the “Update System Identifiers” popup, the user changes the number next to the. The user will receive an error if multiple items have the same ID. The user then selects “Update”.

The 'Update System Identifiers' popup window displays the following table:

Current Id	Updated Id	Current Name	New Name	System Number	Sewer Type	System Function	Model Input Category	# SMPs
1	1	SWT-A2	SWT-A2	1-1	Combined	Detention/Slow Release	Subsurface slow release (unlined)	1
2	2	SWT-B2 & SWT-A3	SWT-B2 & SWT-A3	1-2	Combined	Infiltration	Subsurface infiltration	1
3	3	SWT-B3	SWT-B3	1-3	Combined	Infiltration	Subsurface infiltration	1
4	4	1-4	1-4	1-4	Separate	Disconnection	Green Roof	0
5	5			1-5	Separate	Disconnection	Green Roof	0

3. ID numbers are updated.

Edit System

1. On the Project Details screen, user selects system for edit.

GreenIT: Data Entry Application (8/11/22) - TEST

Dashboard Project 1-7th St, 8th St, and Cumberland St (Hartranft School) Closed Jillian Simmons Hello aaraujo@jmttg.com!

Design As-Built As-Maintained

Fields Calculations

Status: Incomplete Systems
 Author: Jillian Simmons
 # of Non-SMP Trees: 0

Notes: Greened acres updated to include tree pits and sand layer storage. IQ 5/20/2015. Greened acres updated to include tree pits and sand layer storage. IQ 5/21/2015.

Project Systems

Id	System Number	Sewer Type	System Function	Model Input Category	Last Updated	Completion Status	Edit Status	# SMPs
1	1-1	Combined	Infiltration	Subsurface infiltration	8/10/2022	Complete	Draft	1
2	1-2	Combined	Detention/Slow Release	Subsurface slow release (unlined)	8/4/2022	Complete	Draft	1
3	1-3	Combined	Detention/Slow Release	Subsurface slow release (unlined)	8/2/2022	Complete	Approved	1
4	1-4	Separate	Disconnection	Green Roof	8/11/2022	No SMPs	Pending Addition	0
5	1-5	Separate	Disconnection	Green Roof	8/11/2022	No SMPs	Pending Addition	0

Update System Names & Numbering Copy Existing Systems Create New

Return to Dashboard Save Project Changes

2. The Edit System page opens and user edits system information as desired. System Number is not editable and can only be edited using the **Update System Numbering** functionality described above.

GreenIT: Data Entry Application (8/11/22) - TEST

Dashboard Project 1-7th St, 8th St, and Cumberland St (Hartranft School) System 1-1 Hello aaraujo@jmttg.com!

Design (HAS PENDING EDITS) As Built As Maintained (HAS PENDING EDITS)

Draft Data Approved Data

Fields (Design) - Draft Calculations (Design) - Draft

Not Constructed? Reason Not Constructed: Project Phase

System ID: 1 Completion Status: Complete

System Name: SWT-A2

Pre-existing Sewer Type: Combined

Overflow Type: Sewer System

Model Input Category: Subsurface infiltration Underdrain?

System Function: Infiltration

Infiltration Test Type: Modified Borehole Percolation

Infiltration Test Date:

System Number: 1-1

Contributing Impervious Area (sf): 22222 Contributing Pervious Area (sf): 22

Surface DCIA (sf): 22222 Subsurface DCIA (sf): 22222

Disconnected Impervious Area (sf): Storage Volume (cf): 1676

Total System Volume (cf): 3880 Soil Storage Volume (cf):

Ponded Storage Volume (cf): Storage Volume Below Orifice (cf):

Storage Footprint Area (sf): 970 Infiltration Footprint (sf): 970

Ponding Surface Area (sf): Infiltration Depth Head (ft): 4

Slow Release Hydraulic Head (ft): Orifice Diameter (in):

- If there are pending changes awaiting approval, the user will see Draft and Approved data.

GreenIT: Data Entry Application (8/11/22) - TEST

Dashboard Project 1-7th St, 8th St, and Cumberland St (Hartranft School) System 1-1

Design (HAS PENDING EDITS) As Built As Maintained (HAS PENDING EDITS)

Draft Data Approved Data

Fields (Design) - Draft Calculations (Design) - Draft

Not Constructed? Reason Not Constructed

Project Phase

System ID: 1 Completion Status: Complete

System Name: SWT-A2

Pre-existing Sewer Type: Combined

Overflow Type: Sewer System

Model Input Category: Subsurface infiltration Underdrain?

System Function: Infiltration

Infiltration Test Type: Modified Borehole Percolation

Infiltration Test Date

System Number: 1-1

Contributing Impervious Area (sf)	22222	Contributing Pervious Area (sf)	22
Surface DCIA (sf)		Subsurface DCIA (sf)	22222
Disconnected Impervious Area (sf)		Storage Volume (cf)	1676
Total System Volume (cf)	3880	Soil Storage Volume (cf)	
Ponded Storage Volume (cf)		Storage Volume Below Orifice (cf)	
Storage Footprint Area (sf)	970	Infiltration Footprint (sf)	970
Ponding Surface Area (sf)		Infiltration Depth Head (ft)	4
Slow Release Hydraulic Head (ft)		Orifice Diameter (in)	

- If the user would like to edit a different phase than the current, they can click tab for the phase and then the “Edit Phase” button.

GreenIT: Data Entry Application (8/11/22) - TEST

Dashboard Project 1-7th St, 8th St, and Cumberland St (Hartranft School) System 1-1

Design (HAS PENDING EDITS) **As Built** As Maintained (HAS PENDING EDITS)

Edit Phase

THIS IS APPROVED DATA

Fields (As Built) - Approved Calculations (As Built) - Approved

Not Constructed? Reason Not Constructed

Project Phase

System ID: 1 Completion Status: Complete

System Name: SWT-A2

Pre-existing Sewer Type: Combined

Overflow Type: Sewer System

Model Input Category: Subsurface infiltration Underdrain?

System Function: Infiltration

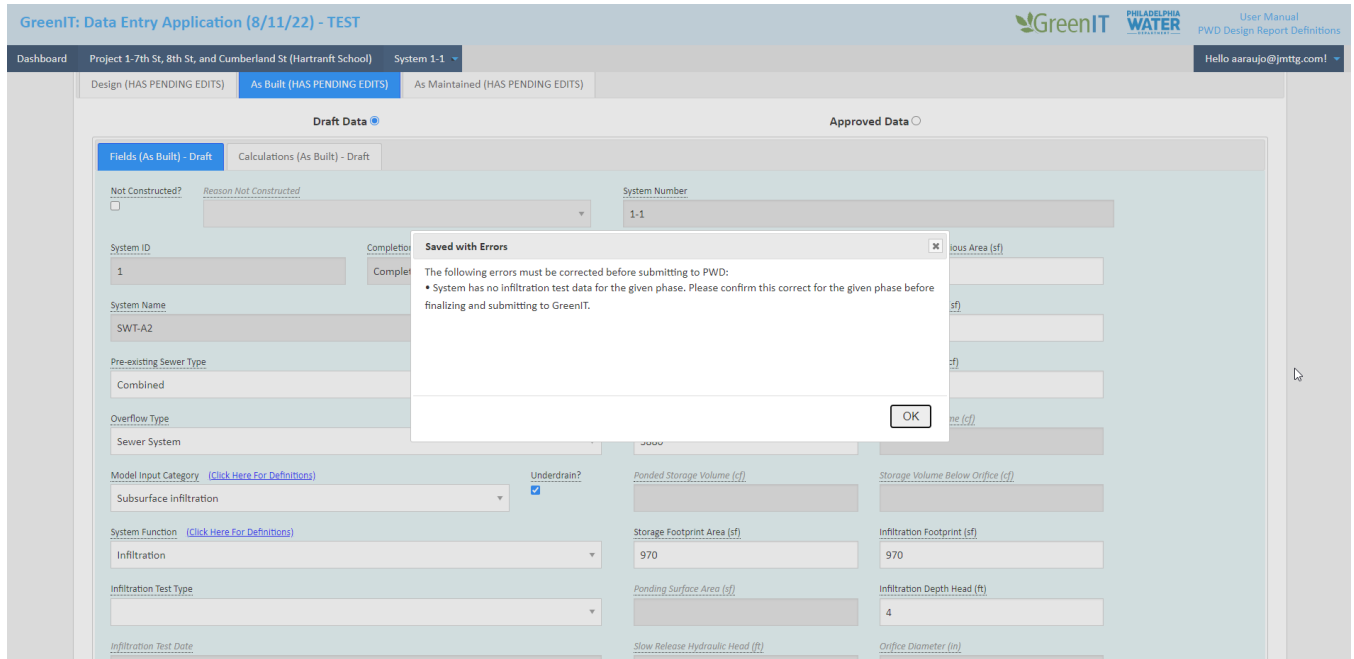
Infiltration Test Type: Modified Borehole Percolation

Infiltration Test Date

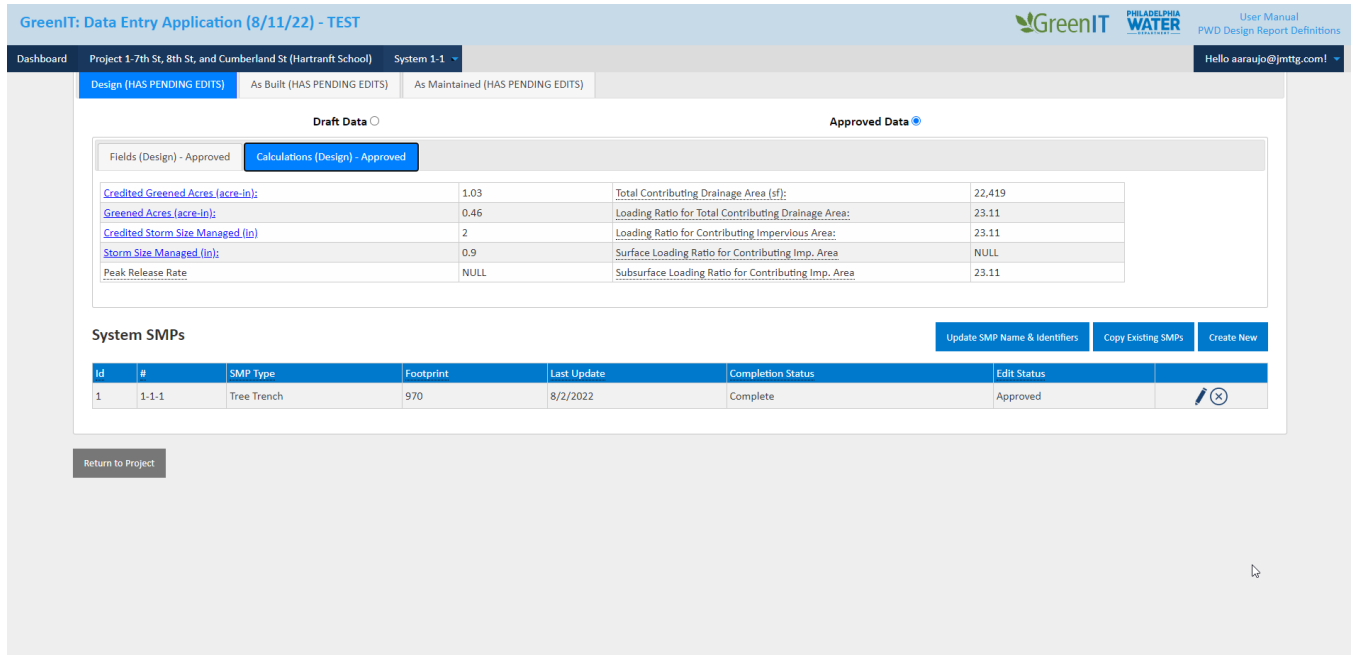
System Number: 1-1

Contributing Impervious Area (sf)	22419	Contributing Pervious Area (sf)	0
Surface DCIA (sf)	0	Subsurface DCIA (sf)	22419
Disconnected Impervious Area (sf)	0	Storage Volume (cf)	1676
Total System Volume (cf)	3880	Soil Storage Volume (cf)	
Ponded Storage Volume (cf)		Storage Volume Below Orifice (cf)	
Storage Footprint Area (sf)	970	Infiltration Footprint (sf)	970
Ponding Surface Area (sf)		Infiltration Depth Head (ft)	4
Slow Release Hydraulic Head (ft)		Orifice Diameter (in)	

- User selects save and system and associated information is updated. The App notifies the user if required values are missing as the save is being completed.



- User can view system level calculations by clicking the 'Calculations' tab.



Delete System

1. On the Project Edit page, user selects the system to be deleted.

GreenIT: Data Entry Application (8/11/22) - TEST

Dashboard Project 1-7th St, 8th St, and Cumberland St (Hartranft School) Jillian Simmons Hello aaraujo@jmttg.com!











Design As-Built As-Maintained

Fields Calculations

Status: Incomplete Systems
Author: Jillian Simmons
of Non-SMP Trees: 0

Notes: Greened acres updated to include tree pits and sand layer storage. IQ 5/20/2015 - Greened acres updated to include tree pits and sand layer storage. IQ 5/21/2015.

Project Systems

ID	System Number	Sewer Type	System Function	Model Input Category	Last Updated	Completion Status	Edit Status	# SMPs	
1	1-1	Combined	Infiltration	Subsurface infiltration	8/10/2022	Complete	Draft	1	 
2	1-2	Combined	Detention/Slow Release	Subsurface slow release (unlined)	8/4/2022	Complete	Draft	1	 
3	1-3	Combined	Detention/Slow Release	Subsurface slow release (unlined)	8/2/2022	Complete	Approved	1	 
4	1-4	Separate	Disconnection	Green Roof	8/11/2022	No SMPs	Pending Addition	0	 
5	1-5	Separate	Disconnection	Green Roof	8/11/2022	No SMPs	Pending Addition	0	 

Return to Dashboard Save Project Changes

2. Apps asks user to confirm deletion.

GreenIT: Data Entry Application (8/11/22) - TEST

Dashboard Project 1-7th St, 8th St, and Cumberland St (Hartranft School) Jillian Simmons Hello aaraujo@jmttg.com!











Design As-Built As-Maintained

Fields Calculations

Status: Incomplete Systems
Author: Jillian Simmons
of Non-SMP Trees: 0

Notes: Greened acres updated to include tree pits and sand layer storage. IQ 5/20/2015 - Greened acres updated to include tree pits and sand layer storage. IQ 5/21/2015.

Project Systems

ID	System Number	Sewer Type	System Function	Model Input Category	Last Updated	Completion Status	Edit Status	# SMPs	
1	1-1	Combined	Infiltration	Subsurface infiltration	8/10/2022	Complete	Draft	1	 
2	1-2	Combined	Detention/Slow Release	Subsurface slow release (unlined)	8/4/2022	Complete	Draft	1	 
3	1-3	Combined	Detention/Slow Release	Subsurface slow release (unlined)	8/2/2022	Complete	Approved	1	 
4	1-4	Separate	Disconnection	Green Roof	8/11/2022	No SMPs	Pending Addition	0	 
5	1-5	Separate	Disconnection	Green Roof	8/11/2022	No SMPs	Pending Addition	0	 

Return to Dashboard Save Project Changes

Delete System

Do you want to delete the Design data for system 1-5 from 7th St, 8th St, and Cumberland St (Hartranft School)?

Yes No

3. User selects 'Yes' to confirm deletion, and system and associated SMP's are deleted from Project Edit Screen.

Create Data for Phase

1. On the Project Edit page, user selects “Create (Phase) Data”. The phase will correspond tab user is on: Design, As-Built, or As-Maintained. If no data needs to be created for that phase, then the button will not be present.

The screenshot shows the 'Project Edit' page for 'Project 154-Duval St, Crittenden St, and Johnson St (Anna B. Day School)'. The 'As-Built' tab is selected. The 'Create As-Built Data' button is highlighted with a red box. The form includes fields for Project ID (154), Work Number (50019), Latest Phase (Design), Project Name, Last Update (8/3/2022), Last Approver, CIPIT Status (Construction-Contract Closed), and GreenIT Contact (Elizabeth Lutes). The 'Fields' section shows 'Status' (No Systems), 'Author', and '# of Non-SMP Trees' (0). The 'Calculations' section is empty. The 'Notes' section is also empty. The 'Create As-Built Data' button is located at the bottom left of the form.

2. The “Create Missing Design Data?” page opens and indicates which items are missing from the current phase. User clicks “OK” to create data.

The screenshot shows the 'Create As-Built Data?' dialog box open over the 'Project Edit' page. The dialog box contains a table with columns 'System' and 'SMP'. The table lists several systems, with some items bolded. A note at the bottom of the table states: '*Bolded items from this phase will be created'. The 'Cancel' and 'OK' buttons are at the bottom right of the dialog box.

System	SMP	
SWT-A2	-	View
-	SWT-A2	View
SWT-A3	-	View
-	SWT-A3	View
SWT-A4	-	View
-	SWT-A4	View
SWT-A6	-	View
-	SWT-A6	View
154-5	-	View

3. Data is created and accessible from the System page.

Return to Project Dashboard

User can return to Project Dashboard by selecting 'Return To Dashboard'

GreenIT: Data Entry Application (8/11/22) - TEST GreenIT PHILADELPHIA WATER User Manual PWD Design Report Definitions

Dashboard Project 154-Duval St, Crittenden St, and Johnson St (Anna B. Day School) Construction-Contract Closed Elizabeth Lutes Hello aaraujo@jmttg.com!

Design **As-Built** As-Maintained











Fields Calculations

Status Incomplete Systems Notes

Author

of Non-SMP Trees 0

Project Systems Update System Names & Numbering Copy Existing Systems Create New

Id	System Number	Sewer Type	System Function	Model Input Category	Last Updated	Completion Status	Edit Status	Not Constructed?	# SMPs	
1	154-1	Combined	Infiltration	Subsurface infiltration	8/11/2022	Complete	Phase Data Added	No	1	 
2	154-2	Combined	Infiltration	Subsurface infiltration	8/11/2022	Complete	Phase Data Added	No	1	 
3	154-3	Combined	Infiltration	Subsurface infiltration	8/11/2022	Complete	Phase Data Added	No	1	 
4	154-4	Combined	Infiltration	Subsurface infiltration	8/11/2022	Complete	Phase Data Added	No	1	 
5	154-5	Separate	Infiltration		8/11/2022	No SMPs	Phase Data Added	No	0	 

Return to Dashboard Save Project Changes

SMPs

The system edit screen provides the ability for a user to add a SMP to a system, to copy an existing SMP and add it to the system, to edit an existing SMP, to delete a SMP, to return to the system details page, to update SMP identifiers, and to return to the project dashboard.

GreenIT: Data Entry Application (8/11/22) - TEST

GreenIT PHILADELPHIA WATER PWD Design Report Definitions

User Manual

Dashboard Project 154-Duval St, Crittenden St, and Johnson St (Anna B. Day School) System 154-1 Hello aaraujo@jmttg.com!

Bedrock Encountered? Depth To Bedrock (ft) Number of SMPs

Groundwater Encountered? Depth To Groundwater (ft)

Primary Program
Streets

Secondary Program(s)

- Alleys/Driveways
- Campuses
- Facilities
- Industry & Business
- Open Space
- Parking
- Schools
- Streets

Save System Changes

System SMPs [Update SMP Name & Identifiers](#) [Copy Existing SMPs](#) [Create New](#)

Id	#	SMP Type	Footprint	Last Update	Completion Status	Edit Status	Not Constructed?	
1	154-1-1	Tree Trench	1480	8/11/2022	Complete	Phase Data Added	No	

Return to Project

Add SMP

A user can add a new SMP to the system. The steps involved include:

1. User selects 'Create New' at bottom of System Edit page

GreenIT: Data Entry Application (8/11/22) - TEST

GreenIT PHILADELPHIA WATER User Manual PWD Design Report Definitions

Dashboard Project 154-Duval St, Crittenden St, and Johnson St (Anna B. Day School) System 154-1 Hello aaraju@jmttg.com!

Bedrock Encountered? Depth To Bedrock (ft) Number of SMPs

Groundwater Encountered? Depth To Groundwater (ft)

Primary Program

Secondary Program(s)

- Alleys/Driveways
- Campuses
- Facilities
- Industry & Business
- Open Space
- Parking
- Schools
- Streets

Save System Changes

System SMPs

Update SMP Name & Identifiers Copy Existing SMPs **Create New**

Id	#	SMP Type	Footprint	Last Update	Completion Status	Edit Status	Not Constructed?	
1	154-1-1	Tree Trench	1480	8/11/2022	Complete	Phase Data Added	No	

Return to Project

2. User is brought to the Create New SMP Page.

GreenIT: Data Entry Application (8/11/22) - TEST

GreenIT PHILADELPHIA WATER User Manual PWD Design Report Definitions

Dashboard Project 154-Duval St, Crittenden St, and Johnson St (Anna B. Day School) System 154-1 Hello aaraju@jmttg.com!

Create New SMP

SMP ID Status

SMP Number

SMP Type [Click Here For Definitions](#)

SMP Name

SMP Footprint (sf)

Storage Type(s)

- Stone
- Modular
- Soil
- Ponding
- Pipe
- Sand

Ponding Depth (in)

Pretreatment Type(s)

- Forebay
- Inlet Insert
- Sump
- Screen
- Trapped Inlet
- Upstream SMP
- Filter Strip
- Water Quality Device

Storage Type Depth (ft)

Vegetated Area (sf)

Pervious Area (sf)

Number Of Trees

Return to System Save New SMP

3. User enters SMP information (**NOTE: Users can decide which phases to create the data for via the checkboxes upon saving**)

- a. SMP ID is automatically generated sequentially and is only editable through the update SMP ID functionality.
 - b. Name is editable through Update Name and Numbering feature.
 - c. App warns user if project is missing required information. See *“Key App Business Rules” for additional background on required fields.*
4. User selects save and SMP and associated information is saved

Create New SMP

SMP ID: 2 | Status: | SMP Number: 154-1-2

SMP Type: Infiltration/Storage Trench | SMP Name: 154-1-2

SMP Footprint (sf): | Storage Type Depth (ft): | Storage Type(s):

Vegetated Area (sf): | Pretreatment Type(s):

- Forebay
- Inlet Insert
- Sump
- Screen
- Trapped Inlet
- Upstream SMP
- Filter Strip
- Water Quality Device

Number Of Trees: 0

Buttons: Return to System, Save New SMP

Select Phases

Select the phases you want to create new SMP data for:

- Design (required)
- As-Built

Buttons: OK, Cancel

5. SMP is now viewable, editable, and delete-able on the system details page.

System SMPs

Buttons: Update SMP Name & Identifiers, Copy Existing SMPs, Create New

Id	#	SMP Type	Footprint	Last Update	Completion Status	Edit Status	Not Constructed?	
1	154-1-1	Tree Trench	1480	8/11/2022	Complete	Phase Data Added	No	
2	154-1-2	Infiltration/Storage Trench		8/11/2022	Incomplete	Pending Addition	No	

Buttons: Return to Project

Copy Existing SMP

As an alternative to creating a new SMP, a user can copy an existing SMP(s) and add them to the system.

1. User selects 'Copy Existing SMPs' at bottom of System Details page

The screenshot shows the 'System Details' page for 'System 154-1'. At the bottom, the 'System SMPs' table is visible. The 'Copy Existing SMPs' button is highlighted in red.

Id	#	SMP Type	Footprint	Last Update	Completion Status	Edit Status	Not Constructed?
1	154-1-1	Tree Trench	1480	8/11/2022	Complete	Phase Data Added	No
2	154-1-2	Infiltration/Storage Trench		8/11/2022	Incomplete	Pending Addition	No

2. In the popup, the user selects the checkbox next to the SMP to be copied and types in the number of copies for each selected SMP. User then selects 'Copy Existing SMPs'.

The screenshot shows the 'Copy Existing SMPs' popup dialog box. The dialog box contains a table with columns for 'Select', '# of Copies', 'Id', 'SMP Type', 'Name', and 'Comments'. The 'Tree Trench' row is selected, and the number of copies is set to 1.

Select	# of Copies	Id	SMP Type	Name	Comments
<input checked="" type="checkbox"/>	1	1	Tree Trench	1	

3. SMP is copied and added to the list of SMP's on the system details page.

GreenIT: Data Entry Application (8/11/22) - TEST GreenIT PHILADELPHIA WATER User Manual PWD Design Report Definitions

Dashboard Project 1-7th St, 8th St, and Cumberland St (Hartranft School) System 1-1 Hello Colin.Cosine@curve.com!

Groundwater Encountered? Depth To Groundwater (ft)

Primary Program

Secondary Programs(s)

- Alleys/Driveways
- Campuses
- Facilities
- Industry & Business
- Open Space
- Parking
- Schools
- Streets

[Save System Changes](#)

System SMPs
[Update SMP Name & Identifiers](#)
[Copy Existing SMPs](#)
[Create New](#)

Id	#	SMP Type	Footprint	Last Update	Completion Status	Edit Status	
1	1-1-1	Tree Trench	970	8/2/2022	Complete	Approved	
2	1-1-2	Tree Trench	970	8/11/2022	Complete	Pending Addition	

[Return to Project](#)

Edit SMP

1. On the System Edit screen, user selects SMP for edit.

GreenIT: Data Entry Application (8/11/22) - TEST

Dashboard Project 154-Duval St, Crittenden St, and Johnson St (Anna B. Day School) System 154-1

GreenIT PHILADELPHIA WATER User Manual PWD Design Report Definitions Hello aaraujo@jmttg.com!

Groundwater Encountered? Depth To Groundwater (ft)

Primary Program
Streets

Secondary Program(s)
 Alleys/Driveways
 Campuses
 Facilities
 Industry & Business
 Open Space
 Parking
 Schools
 Streets

Save System Changes

System SMPs

Id	#	SMP Type	Footprint	Last Update	Completion Status	Edit Status	Not Constructed?	
1	154-1-1	Tree Trench	1480	8/11/2022	Complete	Phase Data Added	No	
2	154-1-2	Infiltration/Storage Trench		8/11/2022	Incomplete	Pending Addition	No	

Update SMP Name & Identifiers Copy Existing SMPs Create New

Return to Project

2. The SMP Edit page opens and user edits information as desired.

GreenIT: Data Entry Application (8/11/22) - TEST

Dashboard Project 1-7th St, 8th St, and Cumberland St (Hartman School) System 1-1 SMP 1-1-1

GreenIT PHILADELPHIA WATER User Manual PWD Design Report Definitions Hello Colin.Cosine@curve.com!

Edit Practice: 1-1-1

Design As Built As Maintained (HAS PENDING EDITS)

THIS IS APPROVED DATA

Not Constructed? Reason Not Constructed
Project Phase

SMP ID: 1 Status: Complete

SMP Type: Tree Trench

SMP Footprint (sf): 970

Storage Type Depth (ft): 4

Vegetated Area (sf): 48

Pervious Area (sf): 48

Number Of Trees: 3

SMP Number: 1-1-1

SMP Name: 1

Storage Type(s)
 Stone
 Modular
 Soil
 Ponding
 Pipe
 Sand

Ponding Depth (in):

Pretreatment Type(s)
 Forebay
 Inlet Insert
 Sump
 Screen
 Trapped Inlet
 Upstream SMP
 Filter Strip
 Water Quality Device





Save

3. User selects save and SMP and associated information is updated.

Delete an SMP





1. On the System Details page, user selects 'Delete' next to the SMP to be deleted (assuming the user has project edit rights).

The screenshot shows the 'System Details' page for SMP 1-1-2. The page includes a 'Save System Changes' button and a 'System SMPs' table. The table lists two SMPs: SMP 1-1-1 (Tree Trench, 970 footprint, 8/2/2022 update, Complete status, Approved edit status) and SMP 1-1-2 (Tree Trench, 970 footprint, 8/11/2022 update, Complete status, Pending Addition edit status). The 'Delete' icon (a red square with a white 'X') is highlighted in the 'Edit Status' column for SMP 1-1-2.

Id	#	SMP Type	Footprint	Last Update	Completion Status	Edit Status	
1	1-1-1	Tree Trench	970	8/2/2022	Complete	Approved	 
2	1-1-2	Tree Trench	970	8/11/2022	Complete	Pending Addition	 

2. App will prompt user to confirm deletion.

The screenshot shows the same 'System Details' page as above, but with a 'Delete SMP' dialog box overlaid. The dialog box asks: 'Do you want to delete the Design data for SMP 1-1-2 from SWFA2?' and has 'Yes' and 'No' buttons.

Id	#	SMP Type	Footprint	Last Update	Completion Status	Edit Status	
1	1-1-1	Tree Trench	970	8/2/2022	Complete	Approved	 
2	1-1-2	Tree Trench	970	8/11/2022	Complete	Pending Addition	 

3. User selects 'Yes' to confirm deletion and SMP is deleted from System Details Screen.

Return to Project Edit Page

User can return to Project Details page by selecting clicking on the project name in the navigation bar.

The screenshot displays the GreenIT Data Entry Application interface. At the top, the header includes the application name 'GreenIT: Data Entry Application (8/11/22) - TEST', the GreenIT and PHILADELPHIA WATER logos, and user information 'User Manual PWD Design Report Definitions Hello Colin.Cosine@curve.com!'. The navigation bar shows 'Dashboard', 'Project 1-7th St., 8th St., and Cumberland St. (Hartranft School)', and 'System 1-1'. Below the navigation bar, there are tabs for 'Design (HAS PENDING EDITS)', 'As Built (HAS PENDING EDITS)', and 'As Maintained (HAS PENDING EDITS)'. The main content area is titled 'Draft Data' and contains a form with various input fields and dropdown menus. The form is organized into several sections: 'Not Constructed?' (with a 'Reason Not Constructed' dropdown), 'System ID' (value: 1), 'System Name' (value: SWT-A2), 'Pre-existing Sewer Type' (value: Combined), 'Overflow Type' (value: Sewer System), 'Model Input Category' (value: Subsurface infiltration), 'System Function' (value: Infiltration), and 'Infiltration Test Type' (value: Modified Borehole Percolation). The 'Underdrain?' checkbox is checked. The right side of the form contains numerical input fields for various metrics: 'System Number' (1-1), 'Contributing Impervious Area (sf)' (22419), 'Contributing Pervious Area (sf)' (0), 'Surface DCIA (sf)' (22419), 'Subsurface DCIA (sf)' (22419), 'Storage Volume (cf)' (1676), 'Total System Volume (cf)' (3880), 'Soil Storage Volume (cf)', 'Ponded Storage Volume (cf)', 'Storage Volume Below Orifice (cf)', 'Storage Footprint Area (sf)' (970), 'Infiltration Footprint (sf)' (970), 'Ponding Surface Area (sf)', 'Infiltration Depth Head (ft)' (4), 'Slow Release Hydraulic Head (ft)', and 'Orifice Diameter (in)'. The 'Approved Data' section is currently empty.

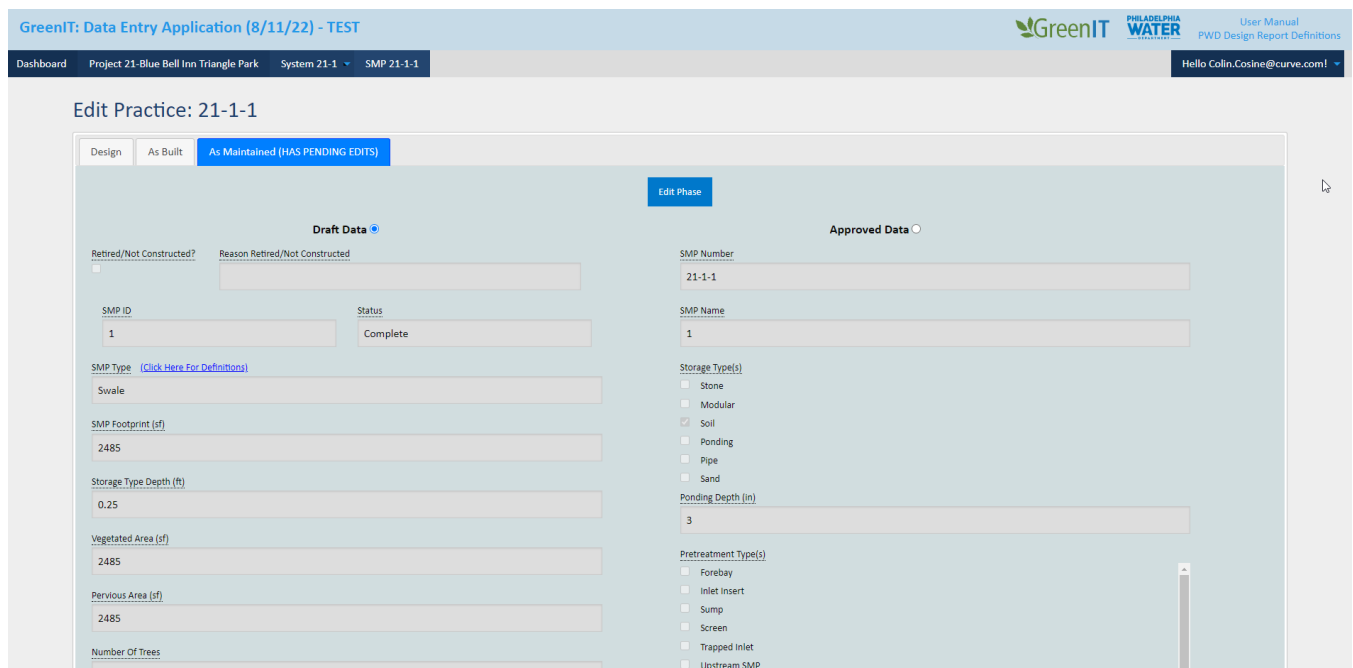
SUBMISSION AND APPROVAL

This section covers the submission and approval process whereby data from the Web-based GreenIT Data Entry Application is submitted to PWD approvers who can authorize import into PWD’s GreenIT system through a nightly file transfer process. Data in the application will either be in a ‘Draft’ or ‘Approved’ state, which is further defined as:

- **DRAFT** - data that has not yet been approved and transferred to PWD’s GreenIT system.
- **APPROVED** - final data as stored in PWD’s GreenIT system.

Submit For Review

After Editing or Adding new data for any phase and saving, the edited data will be a draft until it has been approved by a PWD approver.



1. Once all required information has been filled out and saved, the user will click the “Submit Changes” button next to their project on the Dashboard.

GreenIT: Data Entry Application (8/11/22) - TEST GreenIT PHILADELPHIA WATER User Manual PWD Design Report Definitions

Dashboard Hello Colin.Cosine@curve.com!

Project name, work number, author or ID Search Projects Show All Add New Project

Work Number	Project ID	Project Name	Latest Phase	# Sys	CIPIT Status	GreenIT Contact	Design Status	As-Built Status	As-Maintained Status	Last Update	Last Editor	Last Reviewer	Edit	Submit/Review	Reports
50005	1	7th St, 8th St, and Cumberland St (Hartranit School)	As Maintained	5	Closed	Jillian Simmons	Incomplete Systems - Draft - Phase Author Missing	Complete - Draft - Phase Author Missing	Incomplete Systems - Draft	8/11/2022	IMPORT				
50020	2	Welsh School	As Maintained	2	Closed	Jillian Simmons	Complete - Approved	Complete - Draft - Phase Author Missing	Incomplete Systems - Approved	8/9/2022	Jsimmons				
50004	3	Belfield Ave from Chew Ave to Walnut Ln	As Maintained	12	Closed	Jillian Simmons	Complete - Approved	No Data	Complete - Approved	8/10/2022	IMPORT				
50009	5	Queen Lane from Henry St to Fox St	As Maintained	7	Closed	Laura Rozumalski	Complete - Approved	Incomplete Systems - Approved	Incomplete Systems - Draft - Phase Author Missing	8/8/2022	Colin.Cosine@curve.com				
50002	8	Montgomery Ave, Shissler Playground	As Built	3	Closed	Jessica Brooks	Complete - Draft	Complete - Approved	No Data	8/5/2022	Colin.Cosine@curve.com			Submit Changes	
50005	9	Palmer St from Frankford Ave to Blair St (Shissler Playground)	As Built	2	Closed	Jillian Simmons	Complete - Approved	Incomplete Systems - Approved	No Data	8/3/2022	Colin.Cosine@curve.com				
50034	10	Thompson St and Columbia Ave	As Maintained	2	Closed	Shelly Jones	Complete - Approved	Incomplete Systems - Approved	Incomplete Systems - Draft - Phase Author Missing	8/10/2022	IMPORT				

2. A pop up will display asking the user which phase data to submit depending on the edits they have made. Once the user selects all of the information that they would like to submit for review, they will click the “Submit Data for Review” button to continue.

GreenIT: Data Entry Application (8/11/22) - TEST GreenIT PHILADELPHIA WATER User Manual PWD Design Report Definitions

Dashboard Hello Colin.Cosine@curve.com!

50002	8	Montgomery Ave, Shissler Playground	As Built	3	Closed	Jessica Brooks	Complete - Draft	Complete - Approved	No Data	8/5/2022	Colin.Cosine@curve.com				
50005	9	Palmer St from Frankford Playground)													
50034	10	Thompson St and Colum													
50003	12	4th St and Cambridge St													
50022	13	Madison Memorial Park													
50001	14	12th St and Reed St (Colu													
50001	15	12th St from Dickinson St													
50001	16	10th St from Wilder St to				Simmons	Phase Author Missing	Approved							
50019	17	Moyamensing Ave and Morris St (Dickinson Square)	Design	3	Construction-Contract Closed	Elizabeth Lutes	Complete - Draft	No Data	No Data	8/6/2022	Jsimmons				
50005	18	16th St between Passyunk Ave and Jackson St	As Maintained	1	Closed	Jillian Simmons	Complete - Approved	Complete - Approved	Incomplete Systems - Approved	8/2/2022	IMPORT				

Submit Data for 12th St from Dickinson St to Tasker St

As-Maintained Changes

System	SMP	Edit Type	Edit Date	Edited By
15 - 1		Edited	8/2/2022, 7:34:48 AM	IMPORT
	15 - 1 - 1	Edited	8/2/2022, 7:34:48 AM	IMPORT
	15 - 1 - 2	Edited	8/2/2022, 7:34:48 AM	IMPORT
15 - 2			8/2/2022, 5:05:27 AM	IMPORT
	15 - 2 - 1		8/2/2022, 5:05:27 AM	IMPORT

Select the data to submit (at least one is required):

Design Phase
 As-Built Phase
 As-Maintained Phase
 System/SMP Identifier Changes

Enter any comments below:

- User can view the data from the Project level by clicking on the Project Name (red), the System level by clicking on the System Name (green), or the SMP level by clicking on the SMP Name (yellow).

GreenIT: Data Entry Application (8/11/22) - TEST GreenIT PHILADELPHIA WATER PWD Design Report Definitions User Manual Hello aaraujo@jmtg.com!

Dashboard Edited Projects

Review Data Submissions for Blue Bell Inn Triangle Park (1)

Blue Bell Inn Triangle Park - As Maintained (Pending) - 8/11/2022

Project: **Blue Bell Inn Triangle Park**
 Project Phase: As Maintained
 Submission Status: Pending
 Submitted By: Collin.Cosine@curve.com
 Submission Date: 8/11/2022
 Submission Comments:
 PWD Reviewer: aaraujo@jmtg.com

As-Maintained Changes

System	SMP	Edit Type	Edit Date	Edited By
21-1			8/2/2022, 5:06:14 AM	IMPORT
	21-1-1	Edited	8/2/2022, 7:35:28 AM	IMPORT

Submitter Comments:

Enter any review comments below:

- After reviewing data, if the PWD Approver determines the information is sufficient and can be approved, they will select the “Approve and Submit to GreenIT” button from the review page.

GreenIT: Data Entry Application (8/11/22) - TEST GreenIT PHILADELPHIA WATER PWD Design Report Definitions User Manual Hello aaraujo@jmtg.com!

Dashboard Edited Projects

Project: **Blue Bell Inn Triangle Park**
 Project Phase: As Maintained
 Submission Status: Pending
 Submitted By: Collin.Cosine@curve.com
 Submission Date: 8/11/2022
 Submission Comments:
 PWD Reviewer: aaraujo@jmtg.com

As-Maintained Changes

System	SMP	Edit Type	Edit Date	Edited By
21-1			8/2/2022, 5:06:14 AM	IMPORT
	21-1-1	Edited	8/2/2022, 7:35:28 AM	IMPORT

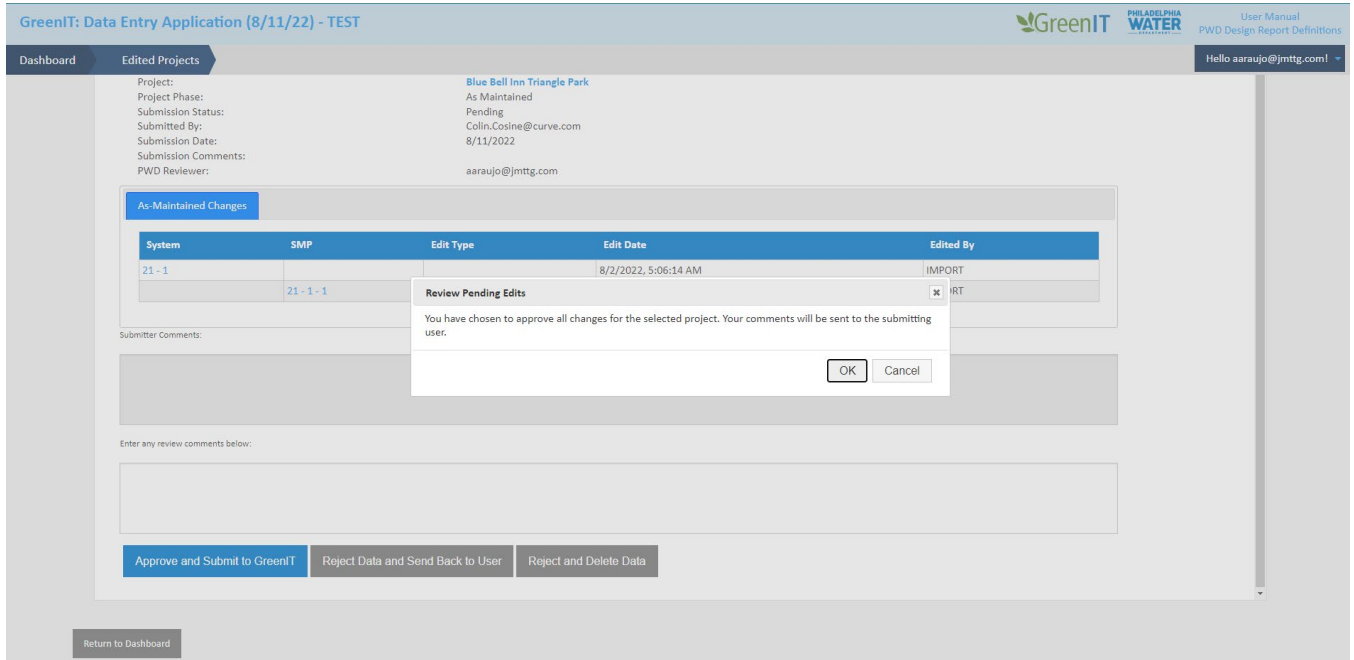
Submitter Comments:

Enter any review comments below:

Approve and Submit to GreenIT | Reject Data and Send Back to User | Reject and Delete Data

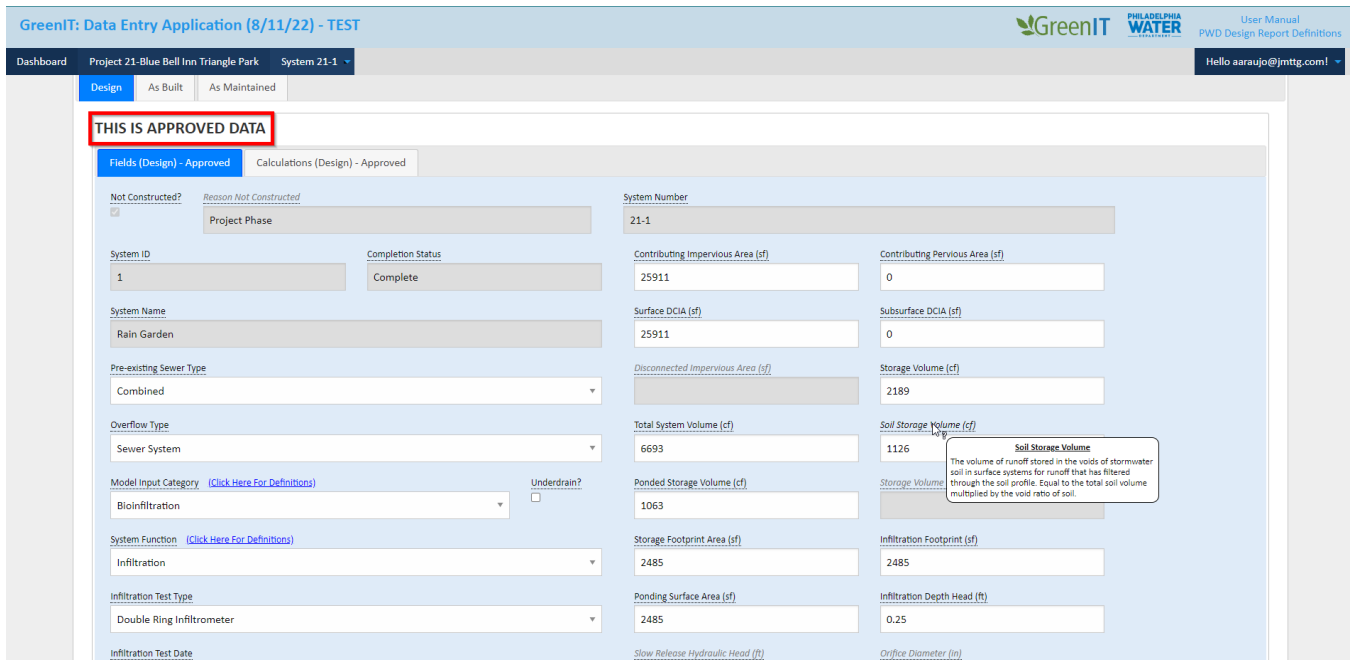
Return to Dashboard

5. User will receive a confirmation message and click “OK” to complete the review.



6. User is informed the project changes have been made.

7. **Approved data will show up the next day in PWD’s GreenIT system. After the nightly data transfer is complete, user will be able to see the edited data is approved.**



Reject Back to User

1. After reviewing data, if the PWD approver determines the information needs to be returned back to the submitting user, they will select the “Reject Data and Send Back to User” button from the review page.

GreenIT: Data Entry Application (8/11/22) - TEST

GreenIT PHILADELPHIA WATER PWD Design Report Definitions User Manual

Dashboard Edited Projects Hello aaraujo@jmtg.com

Identifier Changes

Old System #	New System #	Old SMP #	New SMP #	Change?
411 - 1	411 - 1	--	--	--
--	--	411 - 1 - 1	411 - 1 - 1	--
--	--	411 - 1 - 2	411 - 1 - 2	--
--	--	411 - 1 - 3	411 - 1 - 3	--
--	--	411 - 1 - 4	411 - 1 - 4	--
411 - 2	411 - 2	--	--	--
--	--	411 - 2 - 1	411 - 2 - 11	SMP Identifier/Name Changed

Submitter Comments:
changed an SMP identifier

Enter any review comments below:

Approve and Submit to GreenIT **Reject Data and Send Back to User** Reject and Delete Data

Return to Dashboard

2. User will receive a message confirming the return and will click “OK” to confirm.

GreenIT: Data Entry Application (8/11/22) - TEST

GreenIT PHILADELPHIA WATER PWD Design Report Definitions User Manual

Dashboard Edited Projects Hello aaraujo@jmtg.com

Identifier Changes

Old System #	New System #	Old SMP #	New SMP #	Change?
411 - 1	411 - 1	--	--	--
--	--	411 - 1 - 1	411 - 1 - 1	--
--	--	411 - 1 - 2	411 - 1 - 2	--
--	--	411 - 1 - 3	411 - 1 - 3	--
--	--	411 - 1 - 4	411 - 1 - 4	--
411 - 2	411 - 2	--	--	--
--	--	--	--	--

Submitter Comments:
changed an SMP identifier

Enter any review comments below:

Approve and Submit to GreenIT Reject Data and Send Back to User Reject and Delete Data

Return to Dashboard

Review Pending Edits

You have chosen to return the submission to the user for further edit. Changes will not be reverted or approved until the submitting user responds.

OK Cancel

3. User will receive a message confirming the rejection. Submitter will then need to resubmit changes based on reviewer feedback.

Reject and Delete Data

1. After reviewing data if the PWD approver determines the information needs to be rejected, they will select the “Reject and Delete Data” button from the review page.

GreenIT: Data Entry Application (8/11/22) - TEST

GreenIT PHILADELPHIA WATER

User Manual PWD Design Report Definitions

Hello aaraujo@jmtg.com!

Dashboard Edited Projects

Identifier Changes

Old System #	New System #	Old SMP #	New SMP #	Change?
411 - 1	411 - 1	--	--	--
--	--	411 - 1 - 1	411 - 1 - 1	--
--	--	411 - 1 - 2	411 - 1 - 2	--
--	--	411 - 1 - 3	411 - 1 - 3	--
--	--	411 - 1 - 4	411 - 1 - 4	--
411 - 2	411 - 2	--	--	--
--	--	411 - 2 - 1	411 - 2 - 11	SMP Identifier/Name Changed

Submitter Comments:

changed an SMP Identifier

Enter any review comments below:

Approve and Submit to GreenIT Reject Data and Send Back to User **Reject and Delete Data**

Return to Dashboard

2. User will then be prompted to confirm their choice. To confirm the user will then click “OK” to complete this process and send comments back to the submitter.

GreenIT: Data Entry Application (8/11/22) - TEST

GreenIT PHILADELPHIA WATER

User Manual PWD Design Report Definitions

Hello aaraujo@jmtg.com!

Dashboard Edited Projects

Identifier Changes

Old System #	New System #	Old SMP #	New SMP #	Change?
411 - 1	411 - 1	--	--	--
--	--	411 - 1 - 1	411 - 1 - 1	--
--	--	411 - 1 - 2	411 - 1 - 2	--
--	--	411 - 1 - 3	411 - 1 - 3	--
--	--	411 - 1 - 4	411 - 1 - 4	--
411 - 2	411 - 2	--	--	--
--	--	--	--	--

Submitter Comments:

changed an SMP Identifier

Enter any review comments below:

Approve and Submit to GreenIT Reject Data and Send Back to User Reject and Delete Data

Return to Dashboard

Review Pending Edits

You have chosen to reject all changes for the selected project. Any edits will be reverted to their previous state. Comments will be sent to the submitting user.

OK Cancel

CREATE REPORTS

The reporting functionality provides the user with the ability to create the required .pdf reports.

The steps involved with generating reports are:

1. The user selects the project for which to generate a report by clicking the desired report type to the left of the project on the dashboard.

GreenIT: Data Entry Application (8/11/22) - TEST GreenIT PHILADELPHIA WATER User Manual PWD Design Report Definitions

Dashboard Hello aaraju@jmttg.com!

Project name, work number, author or ID

Work Number	Project ID	Project Name	Latest Phase	# Sys	CIPIT Status	GreenIT Contact	Design Status	As-Built Status	As-Maintained Status	Last Update	Last Editor	Last Reviewer	Edit	Submit/Review	Reports
50005	1	7th St, 8th St, and Cumberland St (Hartranft School)	As Maintained	5	Closed	Jillian Simmons	Incomplete Systems - Draft - Phase Author Missing	Complete - Draft - Phase Author Missing	Incomplete Systems - Draft	8/11/2022	IMPORT				
50020	2	Welsh School	As Maintained	2	Closed	Jillian Simmons	Complete - Approved	Complete - Draft - Phase Author Missing	Incomplete Systems - Approved	8/9/2022	Jsimmons				
50004	3	Belfield Ave from Chew Ave to Walnut Ln	As Maintained	12	Closed	Jillian Simmons	Complete - Approved	No Data	Complete - Approved	8/10/2022	IMPORT				
50009	5	Queen Lane from Henry St to Fox St	As Maintained	7	Closed	Laura Rozumalski	Complete - Approved	Incomplete Systems - Approved	Incomplete Systems - Draft - Phase Author Missing	8/8/2022	Colin.Cosine@curve.com				
50002	8	Montgomery Ave, Shissler Playground	As Built	3	Closed	Jessica Brooks	Complete - Draft	Complete - Approved	No Data	8/5/2022	Colin.Cosine@curve.com			<input type="button" value="Submit Changes"/>	
50005	9	Palmer St from Frankford Ave to Blair St (Shissler Playground)	As Built	2	Closed	Jillian Simmons	Complete - Approved	Incomplete Systems - Approved	No Data	8/3/2022	Colin.Cosine@curve.com				
50034	10	Thompson St and Columbia Ave	As Maintained	2	Closed	Shelly Jones	Complete - Approved	Incomplete Systems - Approved	Incomplete Systems - Draft - Phase Author Missing	8/10/2022	IMPORT				
									Incomplete Systems -						

DASHBOARD STATUS DEFINITIONS

Dashboard Statuses

<i>Status Type</i>	<i>Name</i>	<i>Definition</i>
Completion	Incomplete	All required fields have not been entered and saved, or data is otherwise invalid.
Completion	Complete	All required fields have been entered and saved and all data is valid.
Completion	No Data	Data for that phase has not yet been created.
Completion	No Systems	No Systems have been created for this phase.
Project	Phase Author Missing	One or more phases with draft data have no entry in the 'Author' field.
Edit	Draft	Information includes changes that have not been submitted for review.
Edit	Approved	Information has been reviewed and approved by a PWD approver.
Edit	Sync Pending	Data approved by PWD approver but has not been run through synchronization process.

APPLICATION BUSINESS RULES

*** Many of the validation rules are set up to ensure that users enter a value for all fields, even if that value is zero. Zero is an important value for PWD GSI monitoring analysis, and the logic is set up thoughtfully to ensure that zeros are required where zeros are appropriate, and fields are “turned off” where NULL is the correct value.

Projects

1. Project ID (*Required*)
2. Work Number (*Required*)
3. Project Name (*Auto-populated*)
4. GreenIT contact (*Auto-populated*)
5. CIPIT Status (*Auto-populated*)
6. Author (*Required*)
7. Number of Non-SMP Trees (Defaults to 0)
8. Project Notes (may vary per phase)

Systems

1. System ID (*Required*)
 - a. Defaults to # of systems in project + 1, but is editable
2. Status
 - a. Automatically generated, not editable
3. System Number
 - a. Automatically generated based on project id and system id
4. System Name
 - a. Automatically generated
5. Sewer Type (*Required*)
6. Overflow Type (*Required*)
7. System Function (*Required*)
 - a. Detention/Slow Release available when any of the following model input categories are selected:
 - i. Subsurface Slow Release (lined)
 - ii. Subsurface Slow Release (unlined)
 - iii. Bioretention (lined)
 - iv. Bioretention (unlined)
 - v. Blue Roof
 - b. Infiltration available when any of the following model input categories are selected:
 - i. Subsurface Infiltration
 - ii. Bio-infiltration
 - iii. Permeable Pavement
 - iv. Drainage Well
 - c. Disconnection available when any of the following model input categories are selected:
 - i. Permeable Pavement
 - ii. Green Roof
 - iii. Depaving
 - iv. Blue Roof
 - v. Inlet Disconnection
8. Model Input Category (*Required*)
9. Underdrain?
 - a. Disabled if not constructed/offline and project phase <> Design
 - b. Disabled and true if system function = Detention/Slow Release
 - c. Disabled and false if system function = Disconnection
 - d. Enabled if system function = Infiltration
10. Not Constructed?
 - a. Defaults to yes if project phase = design
 - b. If project phase = design, not editable
 - c. Reason Not Constructed
 - i. Required if not constructed = true
11. Offline?
 - a. Reason Offline
 - i. Required if Offline = true

12. Infiltration Test Type
13. Infiltration Test Date
 - a. Required if Infiltration Test Type is selected
14. Infiltration Rate
 - a. Required (zero allowed) if infiltration test type is selected
15. Borehole Depth
 - a. Required if infiltration test type is selected
16. Bedrock Encountered?
 - a. Depth to Bedrock
 - i. Required and > 0 if bedrock encountered = true
17. Groundwater Encountered?
 - a. Depth to Groundwater
 - i. Required and > 0 if groundwater encountered = true
18. Primary Program (*Required*)
19. Secondary Programs (cannot be same value as Primary Program)
20. Contributing Impervious Area
 - a. Disabled if not constructed/offline and project phase <> Design
 - b. Disabled for the following system functions:
 - i. Disconnection
 - c. Required (zero allowed) for the following system functions:
 - i. Detention/Slow Release
 - ii. Infiltration
 - d. Required if system has no stormwater tree of drainage well SMPs
 - e. Sum of Surface DCIA and Subsurface SCIA must equal Contributing Impervious Area
21. Contributing Pervious Area
 - a. Disabled if not constructed/offline and project phase <> Design
 - b. Disabled for the following system functions:
 - i. Disconnection
 - c. Required (zero allowed) for the following system functions:
 - i. Detention/Slow Release
 - ii. Infiltration
22. Surface DCIA
 - a. Disabled if not constructed/offline and project phase <> Design
 - b. Disabled for the following model categories:
 - i. Subsurface Slow Release (lined)
 - ii. Subsurface Slow Release (unlined)
 - iii. Subsurface Infiltration
 - iv. Permeable Pavement
 - v. Drainage Well
 - vi. Cistern
 - vii. Inlet Disconnection
 - c. Sum of Surface DCIA and Subsurface DCIA must equal Contributing Impervious Area
 - d. Required (zero allowed) for the following system functions:
 - i. Detention/Slow Release

- ii. Infiltration
 - e. Disabled for the following system functions:
 - i. Disconnection
- 23. Subsurface DCIA
 - a. Disabled if not constructed/offline and project phase <> Design
 - b. Required (zero allowed) for the following system functions:
 - i. Detention/Slow Release
 - ii. Infiltration
 - c. Disabled for the following system functions:
 - i. Disconnection
 - d. Sum of Surface DCIA and Subsurface DCIA must equal Contributing Impervious Area
- 24. Disconnected Impervious Area
 - a. Disabled if not constructed/offline and project phase <> Design
 - b. Required (zero allowed) for the following system functions:
 - i. Disconnection
 - c. Disabled for the following system functions:
 - i. Detention/Slow Release
 - ii. Infiltration
 - d. A value > 0 is required if the model input category = Inlet Disconnection
- 25. Storage Volume
 - a. Disabled if not constructed/offline and project phase <> Design
 - b. Disabled for the following system functions:
 - i. Disconnection
 - c. Required (zero allowed) for the following system functions:
 - i. Detention/Slow Release
 - ii. Infiltration
 - d. Storage volume cannot exceed total system volume
 - e. Sum of soil storage volume and ponding storage volume cannot exceed storage volume
- 26. Total System Volume
 - a. Disabled if not constructed/offline and project phase <> Design
 - b. Required (zero allowed) for the following system functions:
 - i. Detention/Slow Release
 - ii. Infiltration
 - c. Disabled for the following system functions:
 - i. Disconnection
 - d. Total system volume cannot be less than total storage volume
- 27. Soil Storage Volume
 - a. Disabled if not constructed/offline and project phase <> Design
 - b. Disabled for the following model categories:
 - i. Subsurface Slow Release (lined)
 - ii. Subsurface Slow Release (unlined)
 - iii. Subsurface Infiltration
 - iv. Permeable Pavement
 - v. Drainage Well

- vi. Cistern
 - vii. Inlet Disconnection
 - c. Required for the following system functions:
 - i. Detention/Slow Release
 - ii. Infiltration
 - d. Disabled for the following system functions:
 - i. Disconnection
 - e. Sum of Soil Storage Volume and Ponding Storage Volume cannot exceed Storage Volume
28. Ponded Storage Volume
- a. Disabled if not constructed/offline and project phase <> Design
 - b. Disabled for the following model categories:
 - i. Subsurface Slow Release (lined)
 - ii. Subsurface Slow Release (unlined)
 - iii. Subsurface Infiltration
 - iv. Permeable Pavement
 - v. Drainage Well
 - vi. Cistern
 - vii. Inlet Disconnection
 - c. Sum of Soil Storage Volume and Ponding Storage Volume cannot exceed Storage Volume
 - d. Disabled for the following system functions:
 - i. Disconnection
 - e. Required for the following model input categories:
 - i. Bioretention (lined)
 - ii. Bioretention (unlined)
 - iii. Bio-infiltration
 - iv. Blue Roof
29. Storage Volume Below Orifice
- a. Disabled if not constructed/offline and project phase <> Design
 - b. Disabled for the following system functions:
 - i. Disconnection
 - ii. Infiltration
 - c. Required for the following system functions:
 - i. Detention/Slow Release
 - d. Required to be 0 if Infiltration Footprint = 0
 - e. Required to be 0 if the model input category includes (lined)
30. Storage Footprint Area
- a. Disabled if not constructed/offline and project phase <> Design
 - b. Required and must be > 0 for the following system functions:
 - i. Detention/Slow Release
 - ii. Infiltration
 - c. Disabled for the following system functions:
 - i. Disconnection
31. Infiltration Footprint
- a. Disabled if not constructed/offline and project phase <> Design

- b. Disabled for the following system functions:
 - i. Disconnection
 - c. Disabled for the following model categories:
 - i. Bioretention (lined)
 - ii. Subsurface Slow Release (lined)
 - d. Required and must be > 0 for the following model categories:
 - i. Subsurface Slow Release (unlined)
 - ii. Subsurface Infiltration
 - iii. Bioretention (unlined)
 - iv. Bio-infiltration
 - e. Required for the following system functions:
 - i. Detention/Slow Release
 - ii. Infiltration
 - f. Cannot exceed Storage Footprint
32. Ponding Surface Area
- a. Disabled if not constructed/offline and project phase <> Design
 - b. Disabled for the following model categories:
 - i. Subsurface Slow Release (lined)
 - ii. Subsurface Slow Release (unlined)
 - iii. Subsurface Infiltration
 - iv. Permeable Pavement
 - v. Drainage Well
 - vi. Cistern
 - vii. Inlet Disconnection
 - c. Required for the following model categories:
 - i. Bioretention (lined)
 - ii. Bioretention (unlined)
 - iii. Bio-infiltration
 - iv. Blue Roof
 - d. Disabled for the following system functions:
 - i. Disconnection
33. Infiltration Depth Head
- a. Disabled if not constructed/offline and project phase <> Design
 - b. Required and must be > 0 for the following system functions:
 - i. Infiltration
 - c. Disabled for the following system functions:
 - i. Disconnection
 - d. Disabled for the following model input categories:
 - i. Bioretention (lined)
 - ii. Subsurface Slow Release (lined)
34. Slow-Release Hydraulic Head
- a. Disabled if not constructed/offline and project phase <> Design
 - b. Required and must be > 0 for the following system functions:
 - i. Detention/Slow Release

- c. Disabled for the following system functions:
 - i. Disconnection
 - ii. Infiltration
- 35. Orifice Diameter
 - a. Disabled if not constructed/offline and project phase <> Design
 - b. Required and must be > 0 for the following system functions:
 - i. Detention/Slow Release
 - c. Disabled for the following system functions:
 - i. Disconnection
 - ii. Infiltration
- 36. Override Calculated Storm Size
- 37. Calculated Storm Size Managed
 - a. Automatically generated
- 38. Number of SMPs
 - a. Automatically generated

SMPs

1. Not Constructed
2. Reason Not Constructed
 - a. Required if not constructed = true
 - b. Defaults to project phase if project phase = Design
3. Offline
4. Reason Offline
5. SMP ID (*Required*)
 - a. Defaults to # SMPs in system + 1
6. Status
 - a. Automatically generated based on validation status
7. SMP Name (*Required*)
8. SMP Number
 - a. Automatically generated (project id + system id + SMP Id)
9. SMP Type (*Required*)
10. SMP Footprint
 - a. Disabled if SMP is Offline/Not Constructed and project phase <> Design
 - b. Disabled for the following SMP Types:
 - i. Inlet Disconnection
 - c. Must be greater than zero
11. Storage Type Depth
 - a. Disabled if SMP is Offline/Not Constructed and project phase <> Design
 - b. Disabled for the following SMP Types:
 - i. Depaving
 - ii. Inlet Disconnection
 - c. Required (greater than zero) for the following SMP Types:
 - i. Basin
 - ii. Blue Roof

- iii. Bumpout
- iv. Cistern/Rain Barrel
- v. Drainage Well
- vi. Green Gutter
- vii. Green Roof
- viii. Infiltration Storage Trench
- ix. Pervious Paving
- x. Planter
- xi. Rain Garden
- xii. Stormwater Tree
- xiii. Swale
- xiv. Tree Trench
- xv. Wetland

12. Vegetated Area

- a. Disabled if SMP is Offline/Not Constructed and project phase <> Design
- b. Disabled if SMP Type is one of the following:
 - i. Blue Roof
 - ii. Cistern/Rain Barrel
 - iii. Drainage Well
 - iv. Infiltration/Storage Trench
 - v. Pervious Paving
 - vi. Inlet Disconnection
- c. Required (zero allowed) for the following SMP Types:
 - i. Green Gutter
 - ii. Green Roof
 - iii. Depaving
 - iv. Tree Trench
 - v. Stormwater Tree
- d. Required (greater than zero) for the following SMP Types:
 - i. Bumpout
 - ii. Planter
 - iii. Rain Garden
 - iv. Swale
 - v. Basin

13. Pervious Area

- a. Disabled if SMP is Offline/Not Constructed and project phase <> Design
- b. Disabled for the following SMP Types:
 - i. Cistern/Rain Barrel
 - ii. Drainage Well
 - iii. Infiltration/Storage Trench
 - iv. Inlet Disconnection
- c. Required (zero allowed) for the following SMP Types:
 - i. Pervious Paving
 - ii. Green Gutter

- iii. Depaving
 - iv. Green Roof
 - v. Wetland
 - vi. Tree Trench
 - vii. Stormwater Tree
 - d. Required (greater than zero) for the following SMP Types:
 - i. Bumpout
 - ii. Planter
 - iii. Rain Garden
 - iv. Swale
 - v. Basin
 - e. If number of trees > 0, pervious area must be > 0
14. Number of Trees
- a. Disabled if SMP is Offline/Not Constructed and project phase <> Design
 - b. Disabled for the following SMP Types:
 - i. Cistern/Rain Barrel
 - ii. Blue Roof
 - iii. Drainage Well
 - iv. Infiltration/Storage Trench (defaults to zero)
 - v. Pervious Paving
 - vi. Inlet Disconnection
 - c. Required (zero allowed) for the following SMP Types:
 - i. Basin
 - ii. Bumpout
 - iii. Depaving
 - iv. Green Gutter
 - v. Green Roof
 - vi. Planter
 - vii. Rain Garden
 - viii. Swale
 - ix. Wetland
 - d. Required (greater than zero) for the following SMP Types:
 - i. Stormwater Tree
 - ii. Tree Trench
 - e. If number of trees > 0, then pervious area must be > 0
15. Storage Type(s)
- a. Disabled if SMP is Offline/Not Constructed and project phase <> Design
 - b. Disabled for the following SMP Types:
 - i. Depaving
 - ii. Inlet Disconnection
 - c. At least one is Required if SMP Type <> Depaving
16. Ponding Depth
- a. Disabled if SMP is Offline/Not Constructed and project phase <> Design
 - b. Disabled for the following SMP Types:

- i. Cistern/Rain Barrel
 - ii. Depaving
 - iii. Drainage Well
 - iv. Infiltration/Storage Trench
 - v. Pervious Paving
 - vi. Tree Trench
 - vii. Inlet Disconnection
 - c. Required (zero allowed) for the following SMP Types:
 - i. Stormwater Tree
 - ii. Green Gutter
 - iii. Green Roof
 - iv. Wetland
 - d. Required (greater than zero) for the following SMP Types:
 - i. Bumpout
 - ii. Planter
 - iii. Rain Garden
 - iv. Swale
 - v. Basin
- 17. Pretreatment Type(s)
 - a. Disabled if SMP is Offline/Not Constructed and project phase <> Design
- 18. Comments

NOTE: When a System or SMP is “Not Constructed” or “Retired”, it will not contribute to any report calculations.

Allowable Combinations of Model Input Category Validation and System Function

Model Input Category	Infiltration	Detention/Slow-Release	Disconnection
Bioinfiltration	X		
Bioretention (lined)		X	
Bioretention (unlined)		X	
Blue Roof		X	X
Cistern		X	
Depaving			X
Drainage Well	X		
Green Roof			X
Inlet Disconnection			X
Permeable Pavement	X		X
Subsurface infiltration	X		
Subsurface slow release (lined)		X	
Subsurface slow release (unlined)		X	

Allowable Combinations of Model Input Category and SMP Type

Model Input Category	Basin	Blue Roof	Bump-out	Cistern/Rain Barrel	Depaving	Drainage Well	Green Gutter	Green Roof	Infiltration/Storage Trench	Inlet Disconnection	Pervious Paving	Planter	Rain Garden	Stormwater Tree	Swale	Tree Trench	Wetland
Bioinfiltration	X		X				X		X			X	X	X	X	X	X
Bioretention (lined)	X		X				X		X			X	X	X	X	X	X
Bioretention (unlined)	X		X				X		X			X	X	X	X	X	X
Blue Roof		X															
Cistern				X													
Depaving					X												
Drainage Well						X											
Green Roof								X									
Inlet Disconnection										X							
Permeable Pavement									X		X						
Subsurface infiltration									X		X			X		X	
Subsurface slow release (lined)									X		X			X		X	
Subsurface slow release (unlined)									X		X			X		X	