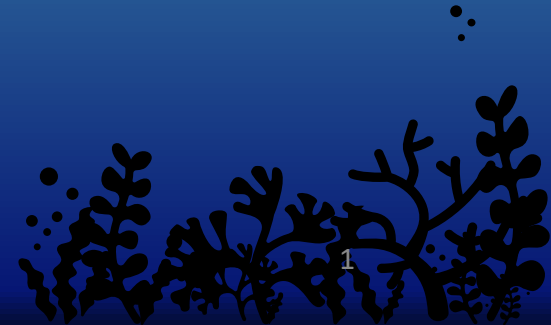


DOTA's Construction Inspection Program and Common BMP Deficiencies

Jenna Stone, CISEC



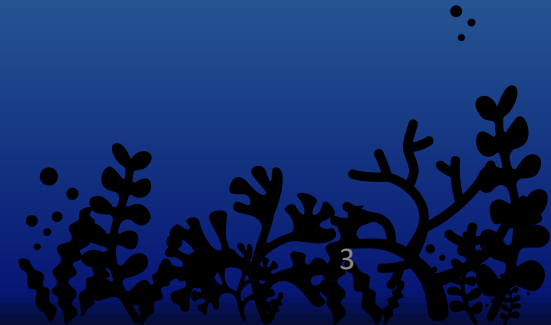
Which projects are applicable?

- Regardless of size, all construction projects with land disturbance must have temporary construction BMPs in compliance with the *DOTA Construction Activities BMP Field Manual*
- Self-inspections must be conducted by the Contractor
- Depending on the project size and activities, AIR-EE will determine if third-party inspections are required and the frequency that they will be conducted



Types of Inspections

Pre-construction, Routine, and Final



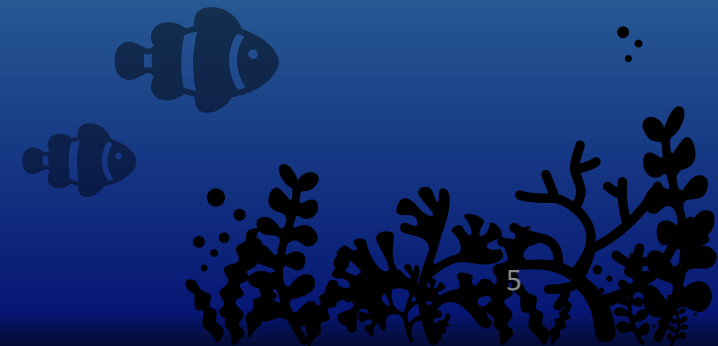
Pre-construction: Prior to start of construction

- The Contractor or CM is responsible for reaching out to AIR-EE to schedule a pre-construction inspection at the project site
 - At least two weeks in advance
 - All required contractor documents must be submitted to and approved by AIR-EE prior to inspection
 - All deficiencies noted during the initial inspection must be corrected prior to conducting land-disturbing activities
- Applies to any new phases/areas of construction



Routine: Through life of the project

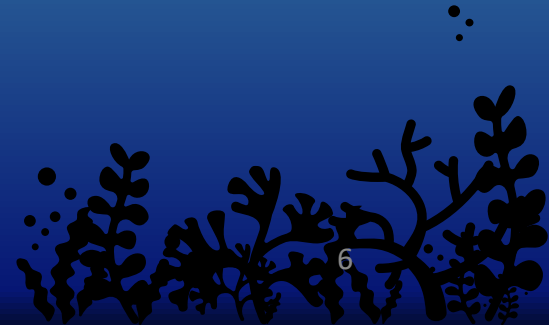
- Depending on the project size, scope, etc., routine third-party inspections may be conducted
 - To be determined by AIR-EE
- Usually monthly or quarterly schedule



Final: At the end of the project/phase

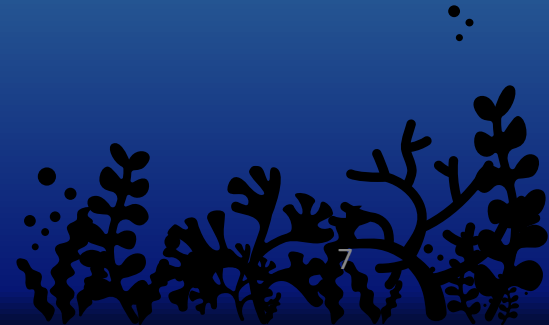
A Final inspection can be requested under the following conditions:

- All land disturbance has ceased
- All equipment and materials have been removed
- Vegetation has been restored to pre-construction conditions
- At least 70% stabilization is reached

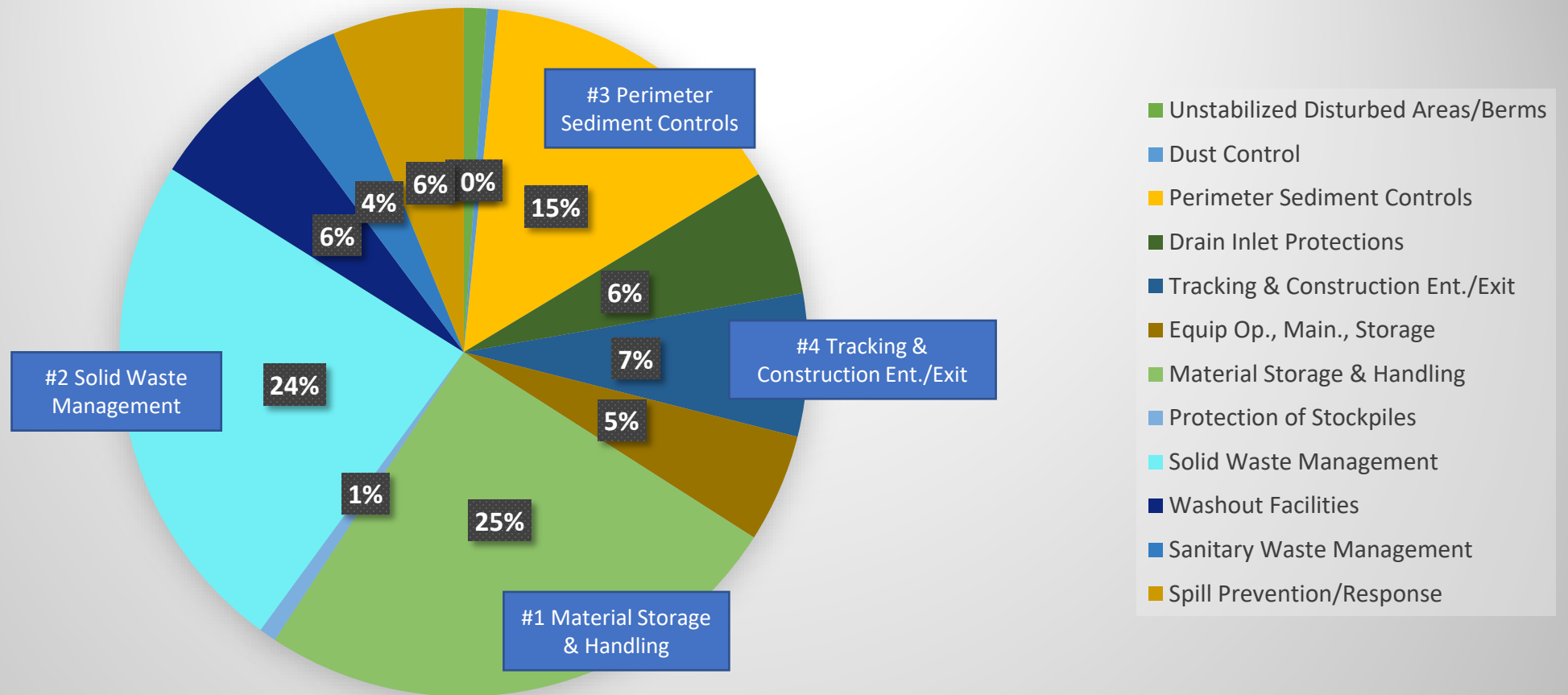




Common BMP Deficiencies



Tracked BMP Deficiencies (2021-2022 HNL)



Stabilized Construction Entrance/Exit

Construct stabilized construction entrance/exits at all points that exit onto paved roads, other paved areas, and sidewalks

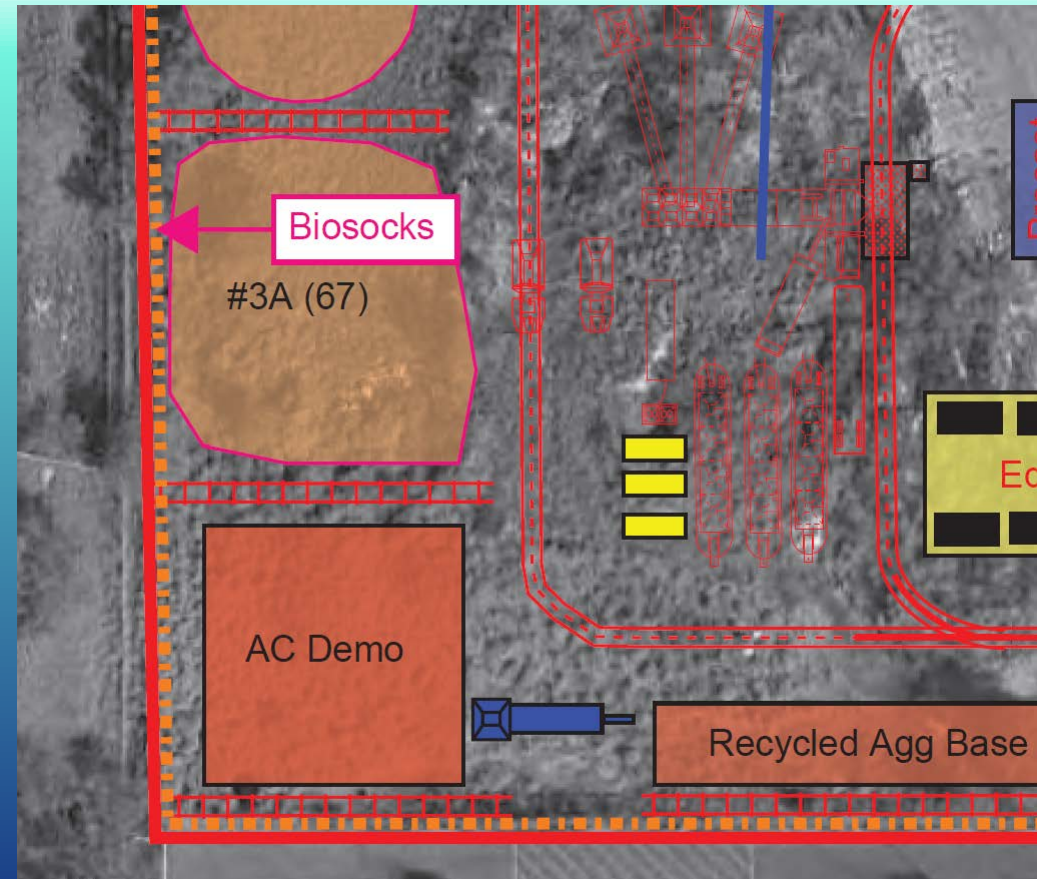


Stabilized Construction Entrance/Exit



Perimeter sediment control measures

Match the project's approved BMP Map, do not exceed limits of the NPDES permitted areas



Perimeter sediment control measures

Must be provided along the downgrade perimeter of all disturbed areas



Photo 2 Description: Move materials stored beyond installed perimeter sediment control measures to within the staging area limits.

Perimeter sediment control measures

All activities resulting in land disturbance, including vehicle and equipment storage, must be protected with perimeter controls



Solid Waste Management

All waste debris and trash that can enter the AOA are Foreign Object Debris (FOD) that could be an aircraft hazard as well as a stormwater pollutant



Solid Waste Management

All waste containers must have lids or covers to keep rain out and prevent scattering of wastes by wind



Solid Waste Management

Concrete waste facility is exceeding capacity



Solid Waste Management

- Concrete waste containers must be cleaned out or no longer used at 75% capacity or 4" of freeboard.
- All other waste containers must be emptied at 2/3 capacity.



Secondary Containment/Drip protection

Berm is wrapped improperly so liquid is not contained



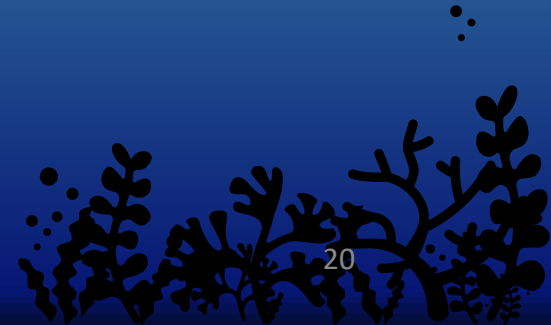
Secondary Containment

Install impermeable barriers to contain liquid





Thank you!



Veoci[®] Construction Module

Mikki Slentz, P.E., CPESC

Agenda

1

What is Veoci®?

2

Construction Design Review with Veoci®

3

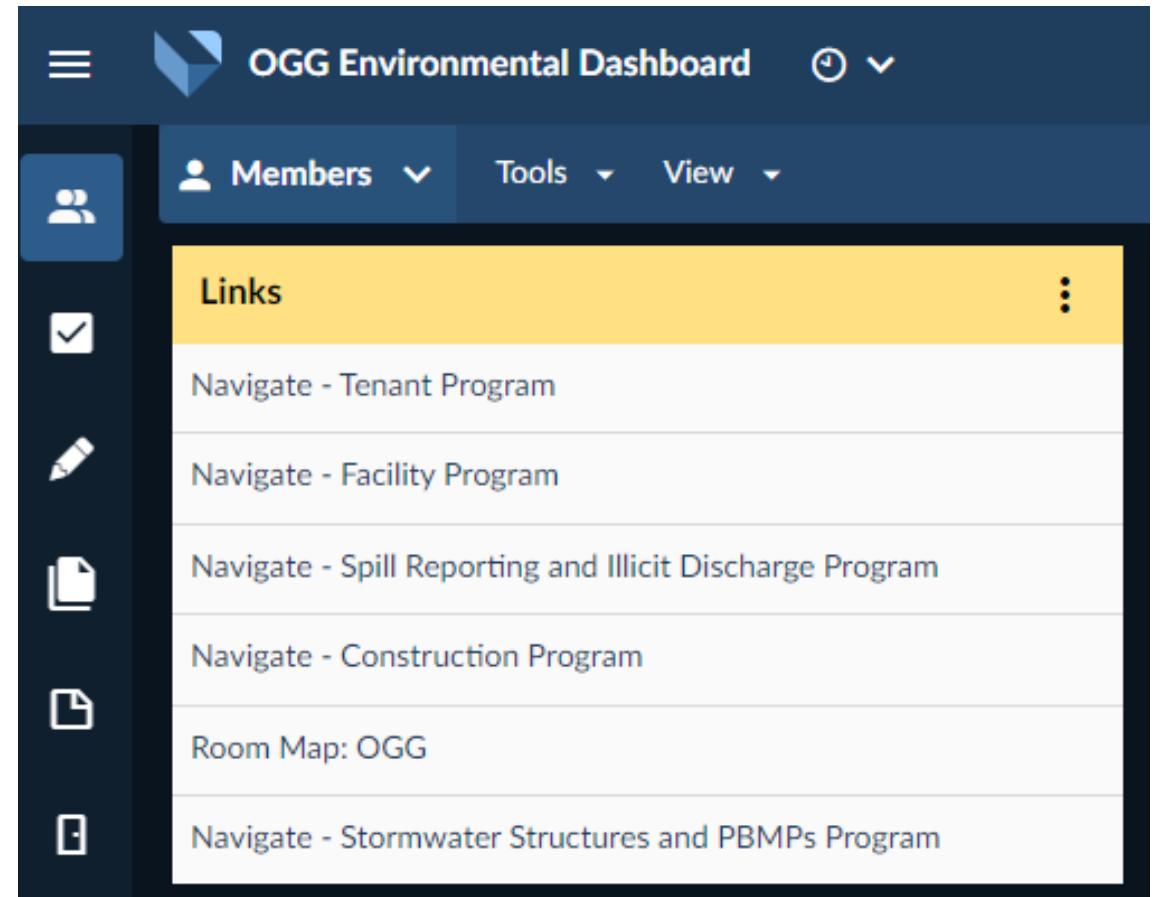
Contractor Document Submittal with Veoci®

4

Construction BMP Inspections with Veoci®

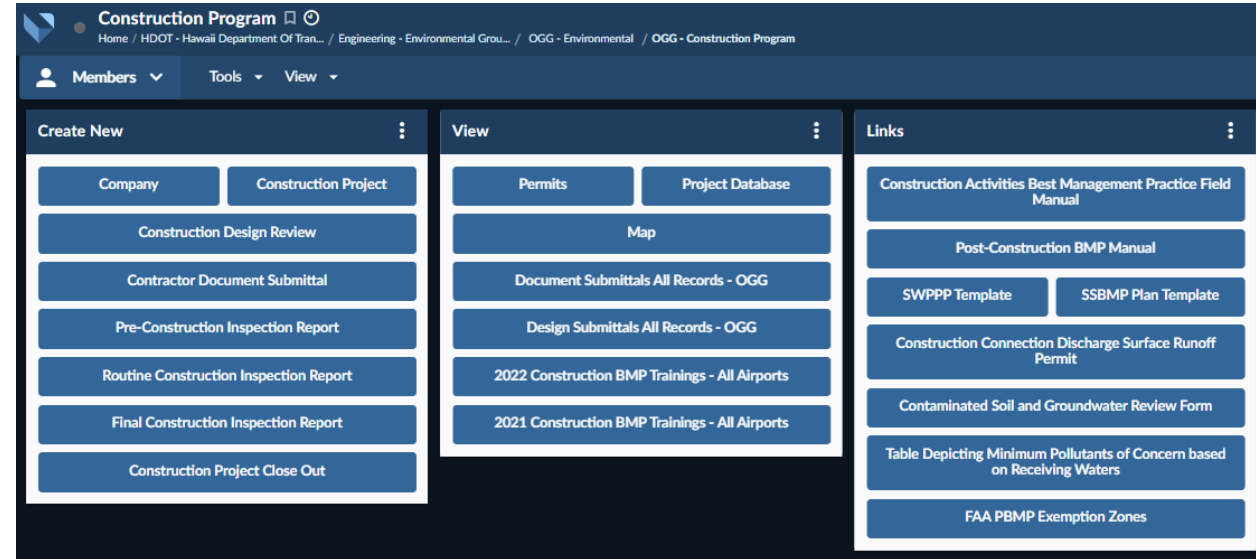
What is Veoci®?

- Veoci® is an online interface that allows AIR-EE to centralize information related to its environmental program
- Veoci® maintains forms, permits, records, and documents in one location
- Veoci® serves as a workflow tracking system



Veoci® Construction Module

- The Construction Module will go live on **December 1st**
- Individuals involved in the construction program will receive email notifications throughout the process whenever action is required on their part
- An SOP will be available soon
 - Includes step-by-step instructions with screenshots for interacting with the system, referred to as Quick Reference Guides (QRGs)



Veoci® Construction Module

- The Construction Design Review, Contractor Document Submittal, and Construction BMP Inspection processes will be performed through Veoci® using workflows
 - A workflow is a series of steps
 - Each step will have questions and may ask for specific documents (design plans, SWPPPs, etc.)

PBMP Variance Criteria

Is the project located within the FAA Exemption Zone for PBMP Installation?
See map link below.

Yes
 No

[Map Link](#)

Project will return the area to pre-construction runoff conditions?
Pre-construction conditions is defined as the existing conditions prior to improvements associated with this project.

Yes
 No

Project is solely a water quality improvement or preservation project (e.g., shoreline protection, landscaping, PBMP installation / retrofit, or permanent erosion control)?

Yes
 No

Other PBMP Variance (provide explanation for proposed variance)?

Yes
 No

A decorative graphic in the top-left corner consisting of overlapping teal-colored triangles of varying shades, creating a modern, geometric look.

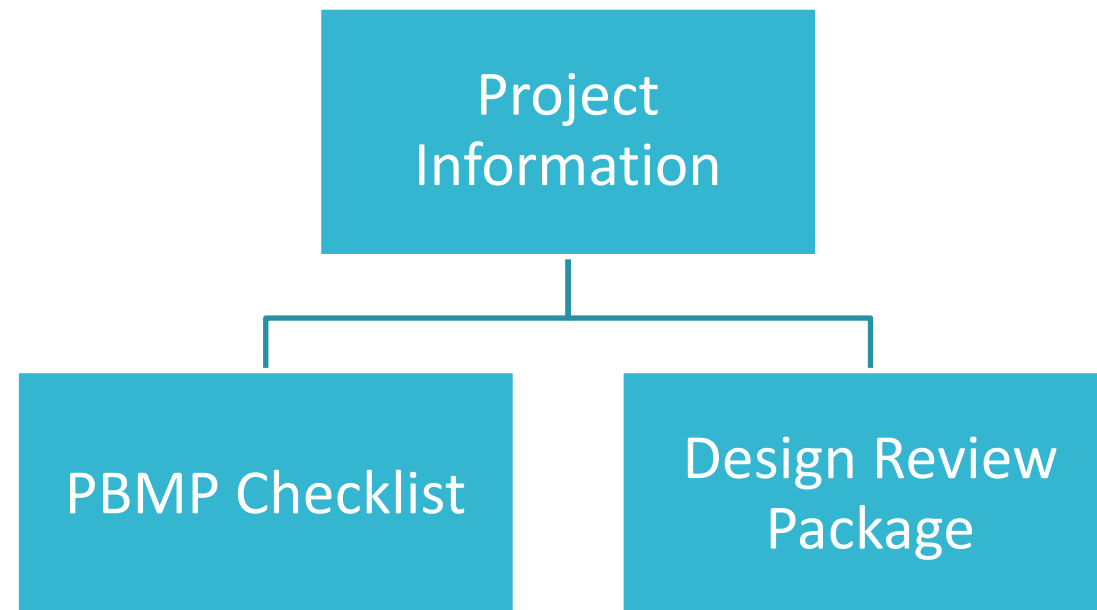
Construction Design Review with Veoci®

Users: Designers, Design Reviewers

Construction Design Review Workflow with Veoci®

- While the workflow has several steps, there are two major sections:
 - **PBMP Checklist:** A series of questionnaires to evaluate each project for PBMPs
 - **Design Review Package:** Upload relevant files directly into Veoci®

Designers will require a Veoci® account, which can be established via request to AIR-EE



Construction Design Review Workflow with Veoci®

- If a review results in comments, Designers will need to return to Veoci® to provide responses and may need to upload new/revised documents

The screenshot displays the Veoci software interface for reviewing a comment. The interface is divided into several sections:

- Header:** SWPPP
- Comment Info:** Includes a status indicator "Item Open" in a red box, a "Comment ID" field with the value "1", and an "Initial Review Date" field with the value "2022-11-04".
- Original Review Comment (Design Reviewer):** Contains a "Sheet/Page No." field with the value "Page 1" and a "Detail/Section" field with the value "Section 1.2, Project Description".
- Original Review Comment (Design Reviewer):** Contains a text box with the comment: "The disturbed areas listed are inconsistent."
- Comment Responses (Designer/Design Reviewer):** Features a "New Comments/Response" button and a response box containing the text: "Designer - SWPPP has been updated. - 2022-Nov-04 15:17".
- Review Section:** Shows a "Comments" section with a red dot and the status "Open".

Construction Design Review Workflow with Veoci®

- If a review results in comments, Designers will need to return to Veoci® to provide responses and may need to upload new/revised documents
 - The Comment Responses section in the third column can be used by Designers and will also contain AIR-EE responses following the original comment, as necessary

The screenshot displays the Veoci software interface for a SWPPP (Storm Water Pollution Prevention Plan) review. The interface is divided into several sections:

- Comment Info:** Shows the status as "Item Open", Comment ID "1", and Initial Review Date "2022-11-04".
- Original Review Comment (Design Reviewer):** Contains the text "The disturbed areas listed are inconsistent."
- Comment Responses (Designer/Design Reviewer):** This section is highlighted with a red box and contains a "New Comments/Response" button and a response text: "Designer - SWPPP has been updated. - 2022-Nov-04 15:17".
- Review Section:** Shows the status as "Open" with a red dot icon.

Other visible fields include "Sheet/Page No." (Page 1) and "Detail/Section" (Section 1.2, Project Description).

Construction Design Review Workflow with Veoci®

- Once all required documents are submitted and all comments are closed, the Designer will be notified



A decorative graphic in the top-left corner consisting of overlapping teal-colored triangles of varying shades, creating a modern, abstract look.

Contractor Document Submittal with Veoci®

Users: Contractors, Design Reviewers

Contractor Document Submittal Workflow with Veoci®

- Once the Contractor is selected, they will receive an email with:
 - Documents prepared by the Designer that need to be updated with additional site-specific information
 - A list of additional documents required
 - A link to the Veoci® Contractor Document Submittal Workflow
- The Contractor will upload all required documents directly into Veoci® for review

Contractors will NOT require a Veoci® account

The screenshot shows a web interface for a permit submittal workflow. The title bar reads "DOTA Construction Connection, Discharge, and Surface Runoff Permit". Below the title bar, there are five input fields: "Date Uploaded" (with a "Set date" placeholder), "Permit/Approval #" (with an "Enter Text..." placeholder), "Date Issued" (with a "Set date" placeholder), "Date Expired" (with a "Set date" placeholder), and "File Attachment" (with a "Drop files or click to add" placeholder). Each field has a clock icon to its right. A "+ Add More" button is located at the bottom left of the form area.

Contractor Document Submittal Workflow with Veoci®

- If a review results in comments, Contractors will need to return to Veoci® to provide responses and may need to upload new/revised documents

Comment Info ^

Item Open

Comment ID
Enter Text...

Initial Review Date
Set date

Original Comments (Design Reviewer) ^

Sheet/Page No.
Page 1

Detail/Section
Section 1.2, Project Description

Original Review Comment (Design Reviewer)
The disturbed areas listed are inconsistent.

Comment Responses (Contractor/Design Reviewer)
New Comments/Responses

Contractor Document Submittal Workflow with Veoci®

- If a review results in comments, Designers will need to return to Veoci® to provide responses and may need to upload new/revised documents
 - The Comment Responses section in the third column can be used by Contractors and will also contain AIR-EE responses following the original comment, as necessary

Comment Info ^

Item Open

Comment ID
Enter Text...

Initial Review Date
Set date

Original Comments (Design Reviewer) ^

Sheet/Page No.
Page 1

Detail/Section
Section 1.2, Project Description

Original Review Comment (Design Reviewer)
The disturbed areas listed are inconsistent.

Comment Responses (Contractor/Design Reviewer)

New Comments/Responses

[SWPPP has been updated.](#)

Contractor Document Submittal Workflow with Veoci®

- Once all required documents are submitted and all comments are closed, the Contractor will be notified



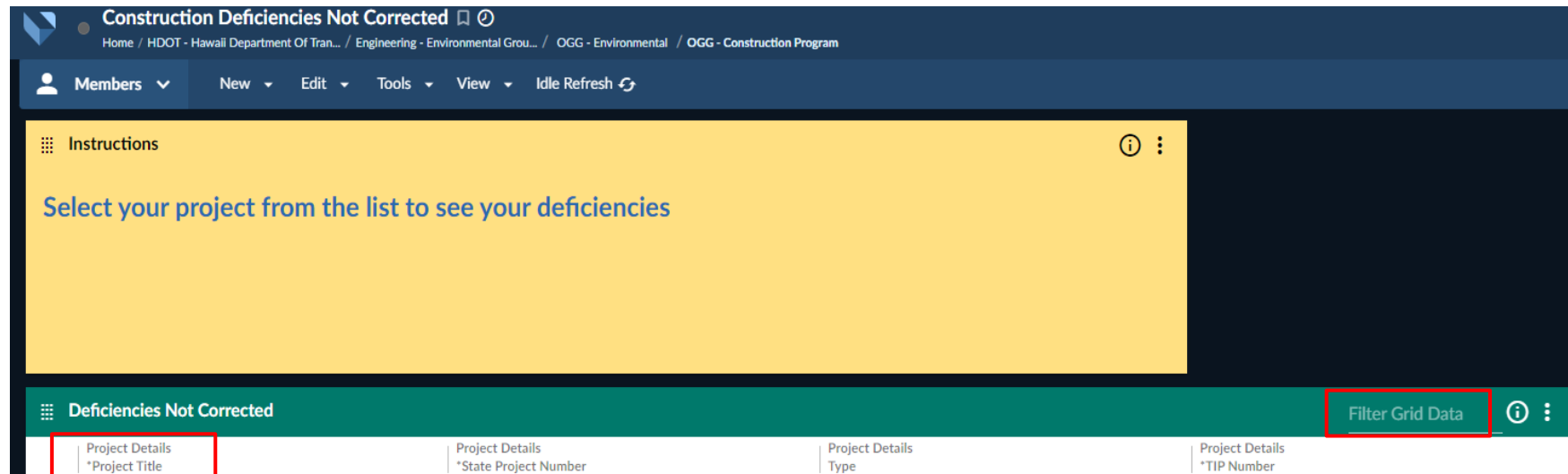
A decorative graphic in the top-left corner consisting of overlapping teal-colored triangles of varying shades, creating a modern, abstract look.

Construction BMP Inspections with Veoci®

Users: Contractors, Inspectors

Construction BMP Inspections with Veoci®

- For Pre-construction, Routine, and Final BMP inspections, Veoci® will be used to:
 - Generate inspection reports
 - Notify contractors of deficiencies (via email)
 - Track and document corrective actions



Construction BMP Inspections with Veoci®

- Each deficiency will have a photo and description from the Inspector
- Contractors will upload a photo and description of their corrective action using the link provided to them

Deficiency ^

Deficiency Type
 Critical

Deficiencies Description
test

Photo No.
Enter Text...

Caption
test

Project Name
Alexis 06172022 2

Corrected?
 Yes
 No

Failed Correction Comments
Enter Text...

View Source Entry

Photo of Deficiency ^

Drop files or click to add

Name	Size
inspection test 2.png	748 KB

Corrected

Drop files or click to add

Date/Time Photo was Submitted
2022-10-05 09:19

Corrected Description
Enter Text...

Construction BMP Inspections with Veoci®

- If the corrective action is rejected, the Contractor will receive an email with the same link to the corrective actions page
 - The Inspector's comments will be found at the bottom of each deficiency with corrective action comments

The screenshot displays a web form for entering a deficiency. The form is organized into several sections:

- Deficiency Type:** A dropdown menu set to "Critical" with a red dot icon and a lock icon.
- Deficiencies Description:** A text input field containing the word "test" and a lock icon.
- Photo No.:** A text input field with "Enter Text..." and a lock icon.
- Caption:** A text input field containing "test" and a lock icon.
- Project Name:** A text input field containing "Alexis 06172022 2" and a lock icon.
- Corrected?:** Radio buttons for "Yes" (selected) and "No".
- Failed Correction Comments:** A text input field with "Enter Text..." and a lock icon, highlighted with a red border.
- Photo of Deficiency:** A section with a "Drop files or click to add" prompt and a table listing files. The table has columns for "Name" and "Size". One file is listed: "inspection test 2.png" with a size of "748 KB".
- Corrected Photo:** A section with a "Drop files or click to add" prompt.
- Date/Time Photo was Submitted:** A field showing "2022-10-05 09:19" with a close button and a clock icon.
- Corrected Description:** A text input field with "Enter Text..." and a lock icon.
- View Source Entry:** A button at the bottom left of the form.

Construction BMP Inspections with Veoci®

- Once all corrective actions are accepted and all deficiencies are closed, the Contractor will be notified





QUESTIONS?

DOTA's Construction Inspection Program
and Common BMP Deficiencies

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Veoci® Construction Module

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