

-  QA Test Plan: Desludging Management System
 -  Module: Site Settings
 -  Module: Desludging Schedule
 -  Module: Desludging Schedule Reintegration
 -  Module: Application Add Page
 -  Module: Application Datatable
 -  Module: Supervisory Assessment

QA Test Plan: **Desludging Management System**

Module: Site Settings

Objective:

Verify site setting configurations are saved and functional for downstream modules.

Test Steps:

- Open the **Site Settings** module.
- Fill in all required fields:
 - Trip Capacity Per Day
 - Schedule Desludging Start Date
 - Weekend Days
 - Holiday Dates
 - Multi-select fields for Wards (if applicable)
 - and so

Expected Outcome:

- Form should successfully save without errors.
 - Multi-select fields should function correctly, allowing multiple values to be selected and saved.
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Module: Desludging Schedule

Objective:

Validate desludging scheduling based on site settings and system constraints.

Test Steps:

- Open **Desludging Schedule** module.
- Confirm visibility of buildings where:
 - `was_sat` = false
 - Containment status is **null** , **not confirmed** , **disagreed emptying** , or **rescheduled**
- Confirm the presence of the following buttons:
 - **Regenerate Desludging Schedule**
 - **Export CSV**

Expected Outcomes:

1 Regenerate Desludging Schedule:

- On click, a loading indicator appears.
- Containments get scheduled based on priority and:
 - **Trip Capacity Per Day** from Site Settings.
 - **Start Date** from Site Settings.
 - Weekends and holidays (as per Site Settings) are excluded.
- System generates and displays a new schedule in the datatable.

2 Export CSV:

- Exports a CSV containing the same number of records currently displayed in the datatable.

3 Datatable Actions:

Action	Expected Outcome
Confirm Emptying	Navigates to the Application Add page with all inputs prefilled and disabled except required fields. Proposed Emptying Date is non-editable.

Action	Expected Outcome
	Supervisory Assessment Date must be ≤ Proposed Emptying Date.
Reschedule Emptying	<p>Navigates to Application Add view. Inputs prefilled and disabled except Proposed Emptying Date .</p> <p>Calendar should show:</p> <p>Trip availability (with color codes)</p> <p>Weekends and holidays highlighted</p> <p>Supervisory Assessment Date should be ≤ Proposed Emptying Date.</p>
Disagree Emptying	<p>On first click, a confirmation (Swal) appears.</p> <p>If confirmed, record remains.</p> <p>On second click, record is removed from Desludging Scheduled data table.</p>

Module: Desludging Schedule Reintegration

Objective:

Verify listing and reintegration of containments marked as 'Disagree Emptying'.

Test Steps:

- Open **Desludging Schedule Reintegration** .
- Confirm visibility of all previously disagreed containments.

Expected Outcome:

- All disagreed records appear irrespective of the number of times actioned.

Module: Application Add Page

Objective:

Verify correct display of the trip availability calendar and form submission.

Test Steps:

- Open the **Application Add** page.
- Confirm calendar view:
 - Displays trip availability per day.
 - Highlights weekends and holidays distinctly.
- Verify form save functionality.

Expected Outcome:

- Calendar displays available slots with color-coded indicators.
 - Weekends and holidays are highlighted.
 - Form saves correctly with all constraints validated.
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Module: Application Datatable

Objective:

Verify the new supervisory assessment fields and action workflows.

Test Steps:

- Open **Application Datatable** .
- Confirm presence of:
 - Supervisory Assessment Date
 - Supervisory Assessment Status (with action button)

Expected Outcomes:

- Values display as saved in the Application form.
- **Supervisory Assessment Status** :
 - Initially shown as a cross icon.
 - On click, navigates to **Supervisory Assessment Add** page.
 - User fills form and saves.
 - Post-save, icon updates to a tick and button gets disabled.
 - Only after this, the **Emptying Status** button is enabled for action.



Module: Supervisory Assessment

Objective:

Verify the CRUD operations, form validations, workflow, and API integrations for the Supervisory Assessment module, ensuring it functions seamlessly with the Desludging Management workflow.

Test Steps:

- Open the **Supervisory Assessment** module.
- Confirm listing of all Application records where:
 - Supervisory Assessment Status is **Pending** (shown with a cross icon in Application Datatable).
- Click the action button to navigate to **Supervisory Assessment Add** page.
- Verify form fields are:
 - Application details are prefilled and non-editable.
 - Supervisory Assessment Date is required.
 - Other assessment inputs (like status, remarks, or findings) are fillable as per the requirements.
- Submit the form.

Expected Outcomes:

- Form validates all required fields.
- On successful save:
 - The respective record in **Application Datatable** updates:
 - Supervisory Assessment Status icon changes to a **tick**.
 - Action button for Supervisory Assessment gets disabled.
 - **Emptying Status** button becomes enabled.
- API endpoints for:
 - Fetching assessment records
 - Creating new assessments
 - Updating existing assessments

are verified for expected response codes (200 OK, 201 Created, 400 Bad Request on validation failure, etc.) and correct payload structures.

Additional Notes:

- Validate error handling when submitting incomplete or invalid data.

- Confirm reassessment is restricted once an assessment has been saved (button disabled post-save).
- Test reintegration of disagreed applications back into the workflow once supervisory assessments are completed.