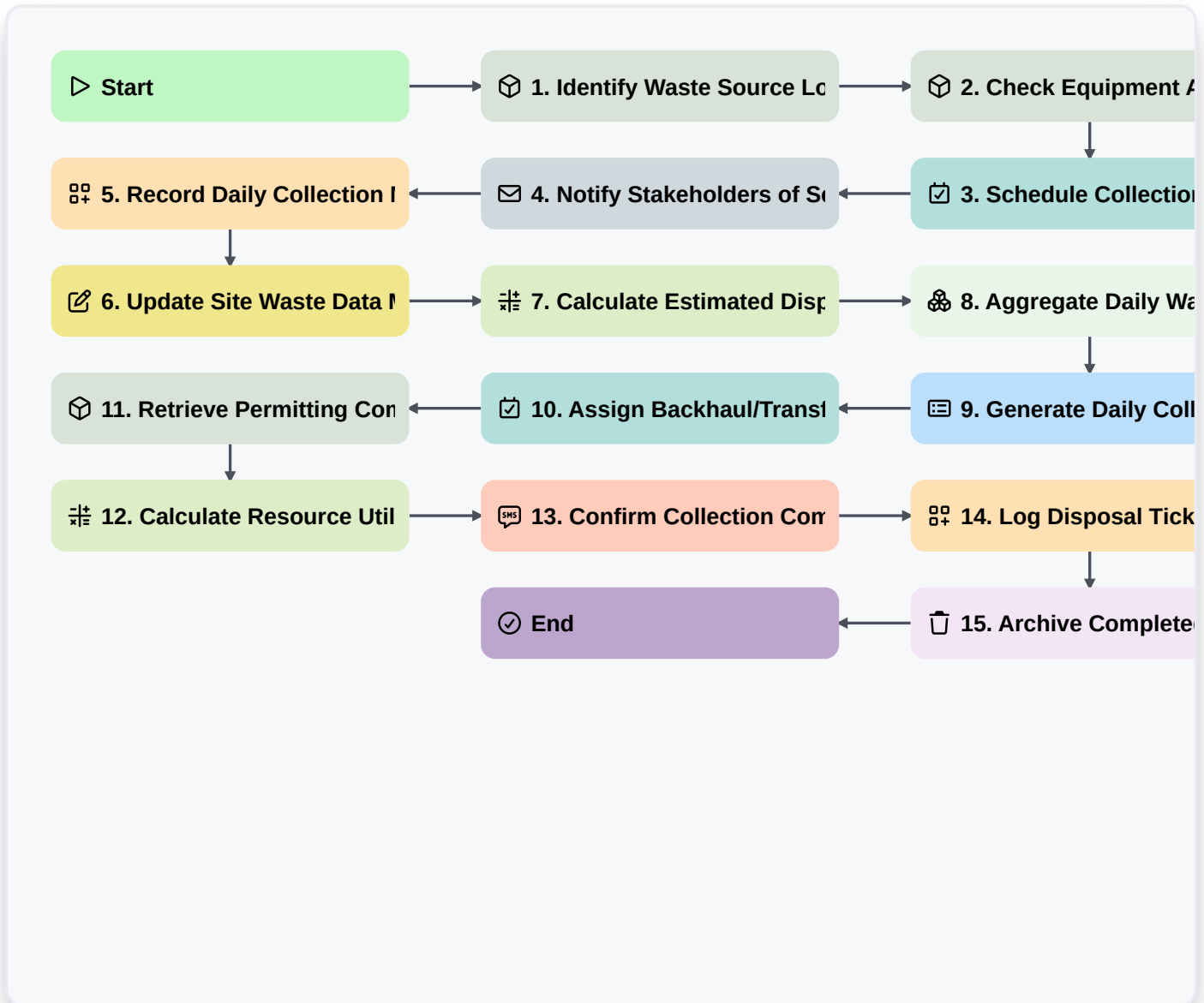


Comprehensive Solid Waste Management Workflow



▶ Start

Start of the Workflow/Process.

📦 1. Identify Waste Source Location

Retrieve data (location details, waste type estimates) for the collection point.

📦 2. Check Equipment Availability

Verify availability status of necessary collection vehicles and personnel.

📅 3. Schedule Collection Team Task

Assign a task to the field team with specified collection route and time window.

✉️ 4. Notify Stakeholders of Service Alert

Send automated email alerts regarding scheduled collections or service delays.

📄 5. Record Daily Collection Manifest

Create a new record documenting the waste volume and type collected at the source.

6. Update Site Waste Data Model

Update the master data record for the site with the collected manifest data.

7. Calculate Estimated Disposal Volume

Execute formula based on collected waste units to predict disposal tonnage.

8. Aggregate Daily Waste Metrics

Sum total volume, count of waste streams, and revenue generated for the day.

9. Generate Daily Collection Report

Compile a comprehensive report summarizing the day's operations for management review.

10. Assign Backhaul/Transfer Task

Create a task for the transfer station team to receive and process the collected waste.

11. Retrieve Permitting Compliance Status

Check the validity and expiry of necessary local waste handling permits.

12. Calculate Resource Utilization Rate

Determine the operational efficiency percentage based on collected volume vs. vehicle capacity.

13. Confirm Collection Completion to Client

Send SMS confirmation to the client upon successful waste removal.

14. Log Disposal Ticket Number

Create a record entry for the official disposal receipt number from the landfill/recycling facility.

15. Archive Completed Day's Logs

Mark the day's collection records as finalized and archive them from active monitoring.

End

Start of the Workflow/Process.