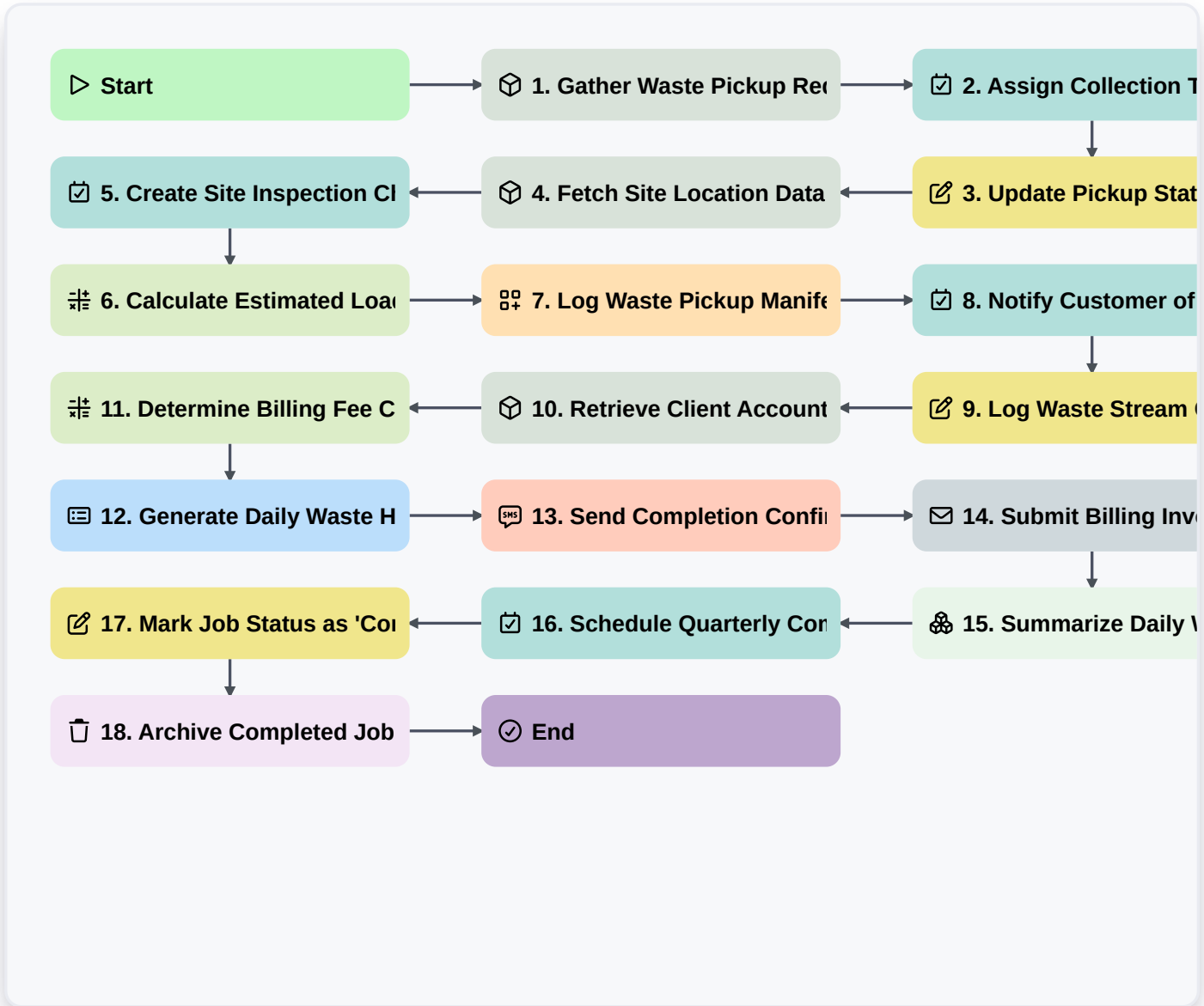


# Streamline Waste Management: Workflow Automation For Modern Waste Solutions



▷ **Start**

Start of the Workflow/Process.

 **1. Gather Waste Pickup Request Details**

Retrieve initial details for waste collection request (location, waste type, volume estimate) from the intake data model.

 **2. Assign Collection Task to Crew Member**

Automatically create a task in the system and assign it to the designated waste collection crew member.

 **3. Update Pickup Status to 'Dispatched'**

Update the status of the waste job record to indicate that the crew has been notified and is on the way.

 **4. Fetch Site Location Data**

Retrieve precise GPS coordinates and site contact information for the service location.

 **5. Create Site Inspection Checklist**

Generate a new task checklist for on-site inspection items (e.g., container condition, segregation compliance).

## **6. Calculate Estimated Load Weight**

Execute formula: (Volume Estimate \* Density Factor) to get a preliminary weight for billing/tracking.

## **7. Log Waste Pickup Manifest**

Create the core record logging the date, time, waste type, and quantity collected.

## **8. Notify Customer of Collection**

Send a proactive notification (email/SMS) to the client confirming scheduled pickup time.

## **9. Log Waste Stream Confirmation**

Update the manifest record with final, confirmed waste streams (e.g., Recyclable, Compost, Landfill).

## **10. Retrieve Client Account Details**

Fetch billing and client identification data for invoicing accuracy.

## **11. Determine Billing Fee Calculation**

Calculate the total cost: (Volume Units \* Rate per Unit) + Service Fee.

## **12. Generate Daily Waste Haulage Report**

Compile a summary report including total waste tonnage and service completion for end-of-day review.

## **13. Send Completion Confirmation SMS**

Send an SMS to the site manager confirming successful waste removal and service completion.

## **14. Submit Billing Invoice Request**

Automatically email the completed manifest and invoice details to the client's accounting department.

## **15. Summarize Daily Waste Tonnage**

Aggregate the total weight/volume of all waste streams processed across all recorded entries for the day.

## **16. Schedule Quarterly Compliance Audit Task**

Set a recurring task to ensure the site adheres to proper waste handling protocols.

## **17. Mark Job Status as 'Complete'**

Final update to the job record once all physical services and documentation are verified.

## **18. Archive Completed Job Records**

Move successfully completed and billed job entries to the historical archive.

## **End**

Start of the Workflow/Process.