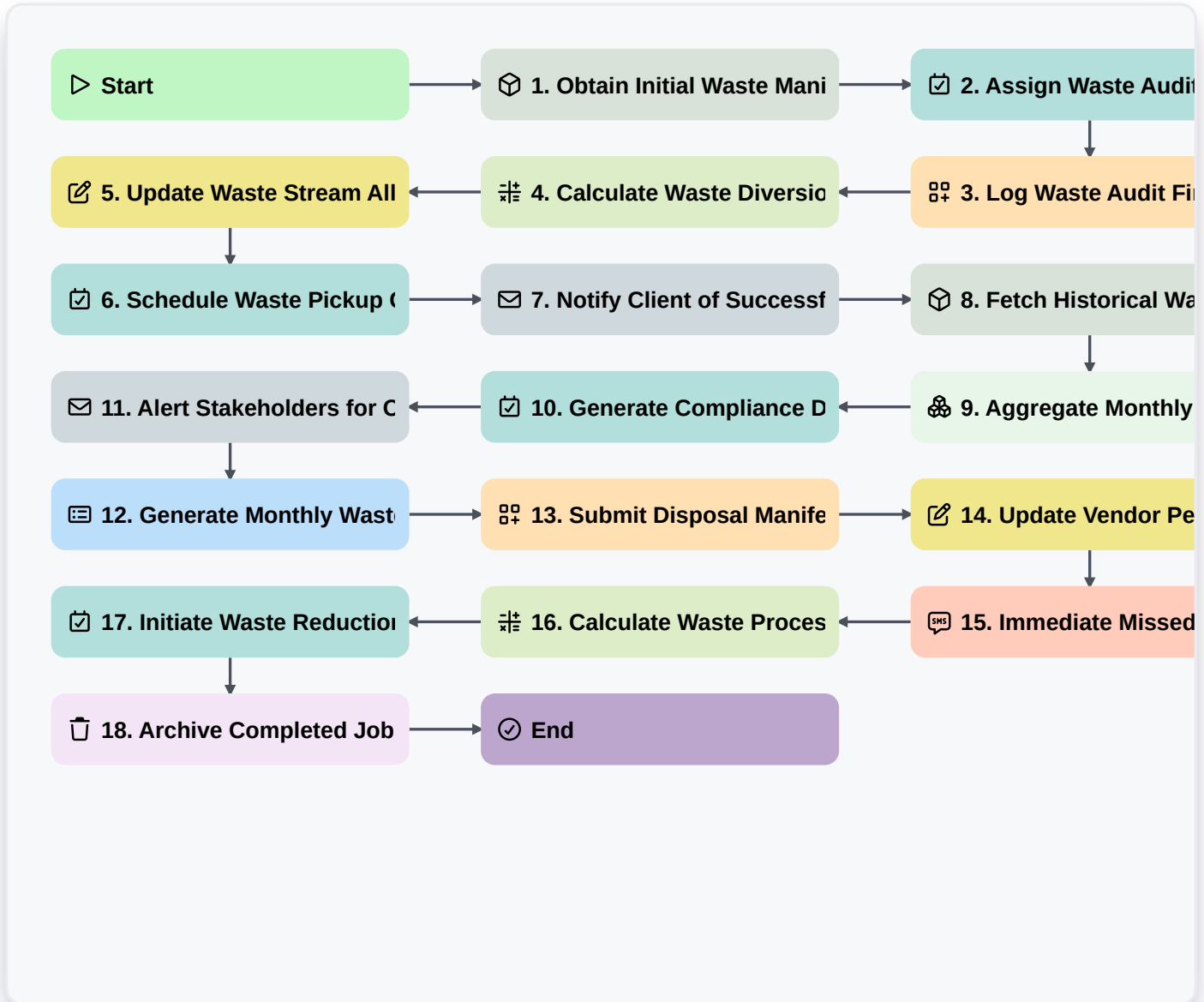


End-To-End Waste Management Workflow Automation For Optimized Waste Solutions



Start

Start of the Workflow/Process.

1. Obtain Initial Waste Manifest Data

Retrieve initial waste generation records from the source data model.

2. Assign Waste Audit Inspection Task

Create a task for the assigned field technician to conduct the initial waste audit.

3. Log Waste Audit Findings

Create a new data entry capturing volume, type, and disposal location observed during the audit.

4. Calculate Waste Diversion Percentage

Execute formula to calculate $(\text{Recycled Weight} / \text{Total Weight}) * 100$ for KPI tracking.

5. Update Waste Stream Allocation

Update the master waste data model with verified recycling and landfill quantities.

6. Schedule Waste Pickup Confirmation

Automatically create a task for the logistics coordinator to confirm pickup dates and routes.

7. Notify Client of Successful Collection

Send an automated confirmation email to the client detailing the waste removal completion.

8. Fetch Historical Waste Data

Retrieve previous quarter's waste tonnage and recycling metrics for comparison.

9. Aggregate Monthly Waste Volume Report

Sum total waste volume from all entries for the specified reporting period.

10. Generate Compliance Documentation Request

Assign a task to the compliance officer to review documentation needs before disposal manifests are finalized.

11. Alert Stakeholders for Overflow Warning

Send an urgent email alert to management if waste levels exceed predefined thresholds.

12. Generate Monthly Waste Metrics Report

Compile a summary report including total waste, disposal costs, and diversion rates.

13. Submit Disposal Manifest Record

Create the final, immutable record detailing the recipient facility and material type.

14. Update Vendor Performance Score

Update vendor reliability score based on on-time service completion and accuracy.

15. Immediate Missed Pickup Notification

Send an SMS alert to the site manager immediately if a scheduled pickup fails.

16. Calculate Waste Processing Cost Per Ton

Determine the true cost per ton by factoring in labor, transport, and tipping fees.

17. Initiate Waste Reduction Suggestion Meeting

Schedule a meeting task to review data and recommend source reduction strategies.

18. Archive Completed Job Records

Mark or archive the original job entry after successful final reporting and payment.

End

Start of the Workflow/Process.