

Site Resource Utilization & Loss Prevention Report

Synthetic facility-level decision support (KPI + rules-based classification)

Executive Summary

Across the analysis window, the system processed **1,723,850** actual units and identified **107,428** disposed units, with total estimated cost leakage of **\$656,883.63**. Average utilization was **93.91%** and average loss rate was **6.09%**. Operational shock flags were present on **174** site-days.

Overall KPIs

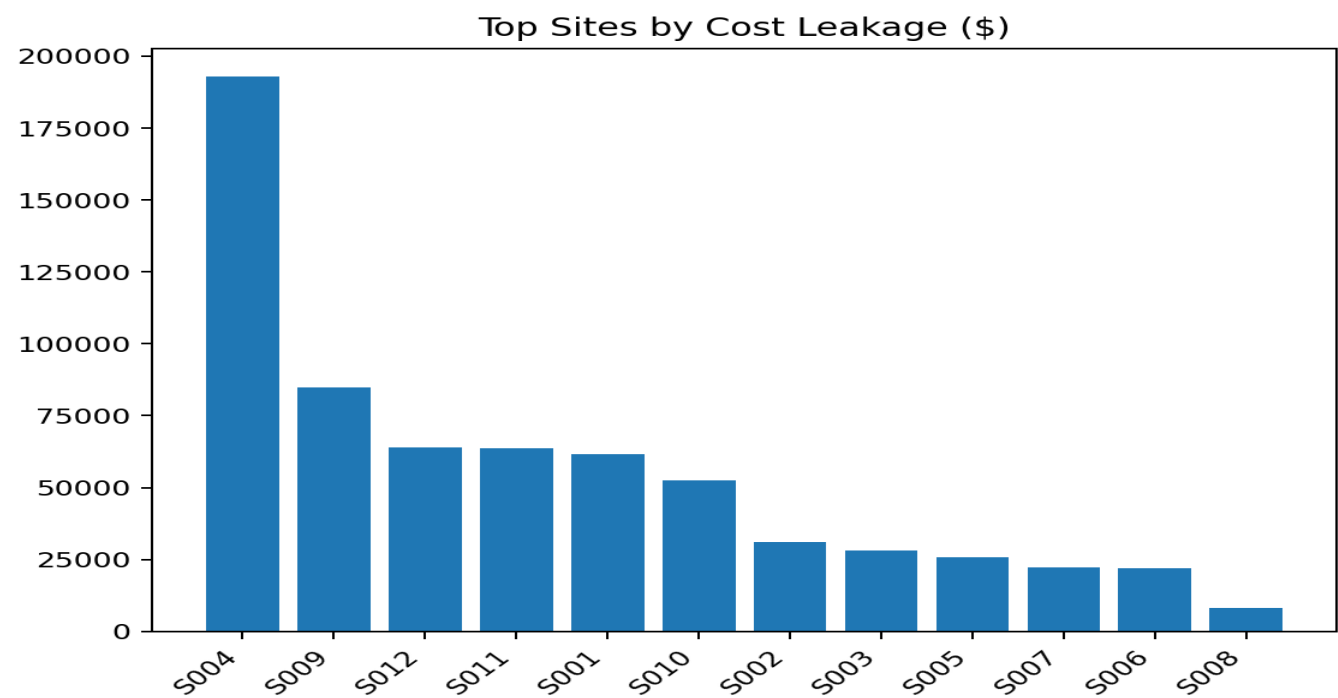
Metric	Value
Planned Units	1,737,776
Actual Units	1,723,850
Usable Units	1,616,422
Disposed Units	107,428
Cost Leakage	\$656,883.63
Avg Unit Cost	\$5.89
Avg Loss Rate	6.09%
Avg Utilization	93.91%
Shock Site-Days	174

Site Risk & Recommended Actions (Top)

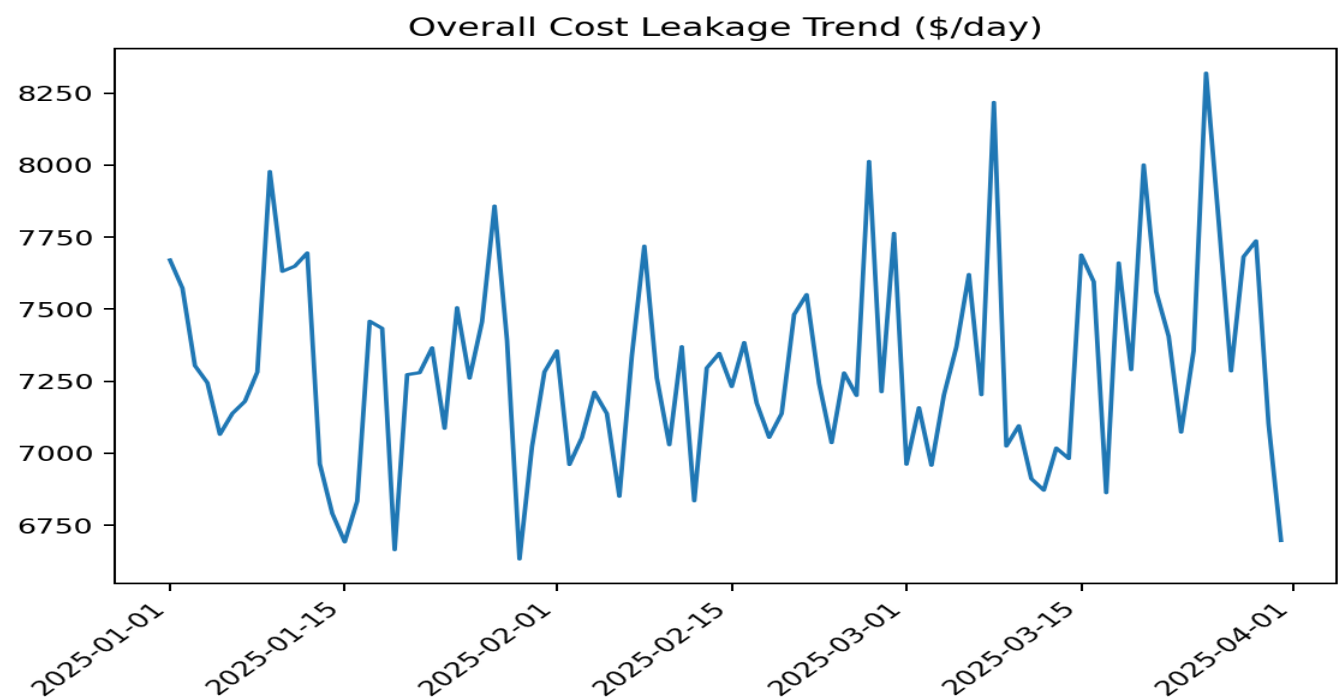
site id	status	loss rate	cost leakage	dominant reason	dominant share	recommended action
S004	Intervention Required	10.04%	\$192,921.21	overproduction	34.4%	Adjust ordering cadence / tighten plan vs actual variance; review reorder points.
S009	Intervention Required	10.52%	\$84,872.48	timing_mismatch	30.3%	Fix scheduling + staffing alignment; coordinate inbound timing and process capacity.
S010	Intervention Required	8.97%	\$52,515.46	overproduction	37.3%	Adjust ordering cadence / tighten plan vs actual variance; review reorder points.
S012	Normal	4.9%	\$64,005.51	damage	31.6%	Improve handling/packaging; target training and standard work to reduce breakage.
S011	Normal	4.71%	\$63,720.00	overproduction	36.1%	Adjust ordering cadence / tighten plan vs actual variance; review reorder points.
S002	Normal	3.69%	\$31,099.29	overproduction	44.2%	Adjust ordering cadence / tighten plan vs actual variance; review reorder points.
S005	Normal	4.81%	\$25,725.55	timing_mismatch	31.0%	Fix scheduling + staffing alignment; coordinate inbound timing and process capacity.
S007	Normal	4.67%	\$22,280.54	overproduction	38.9%	Adjust ordering cadence / tighten plan vs actual variance; review reorder points.
S008	Normal	2.71%	\$8,189.58	overproduction	35.3%	Adjust ordering cadence / tighten plan vs actual variance; review reorder points.
S001	Watch	6.2%	\$61,575.36	overproduction	35.6%	Adjust ordering cadence / tighten plan vs actual variance; review reorder points.
S003	Watch	6.17%	\$28,135.92	overproduction	36.1%	Adjust ordering cadence / tighten plan vs actual variance; review reorder points.
S006	Watch	5.55%	\$21,842.73	overproduction	37.7%	Adjust ordering cadence / tighten plan vs actual variance; review reorder points.

Key Visuals

Top Sites by Cost Leakage



Overall Cost Leakage Trend



Loss Driver Mix (Overall)

loss_reason	disposed_units	disposed_share
overproduction	36123	33.6%
spoilage	26371	24.6%
timing_mismatch	24496	22.8%
damage	20438	19.0%