

IRYS IoT – Compost Temperature Monitoring Report (Sample)

Facility: Example Compost Facility
Location: Georgia, USA
Reporting Period: March 1–31, 2026
Total Sensors: 48 probes across 3 zones

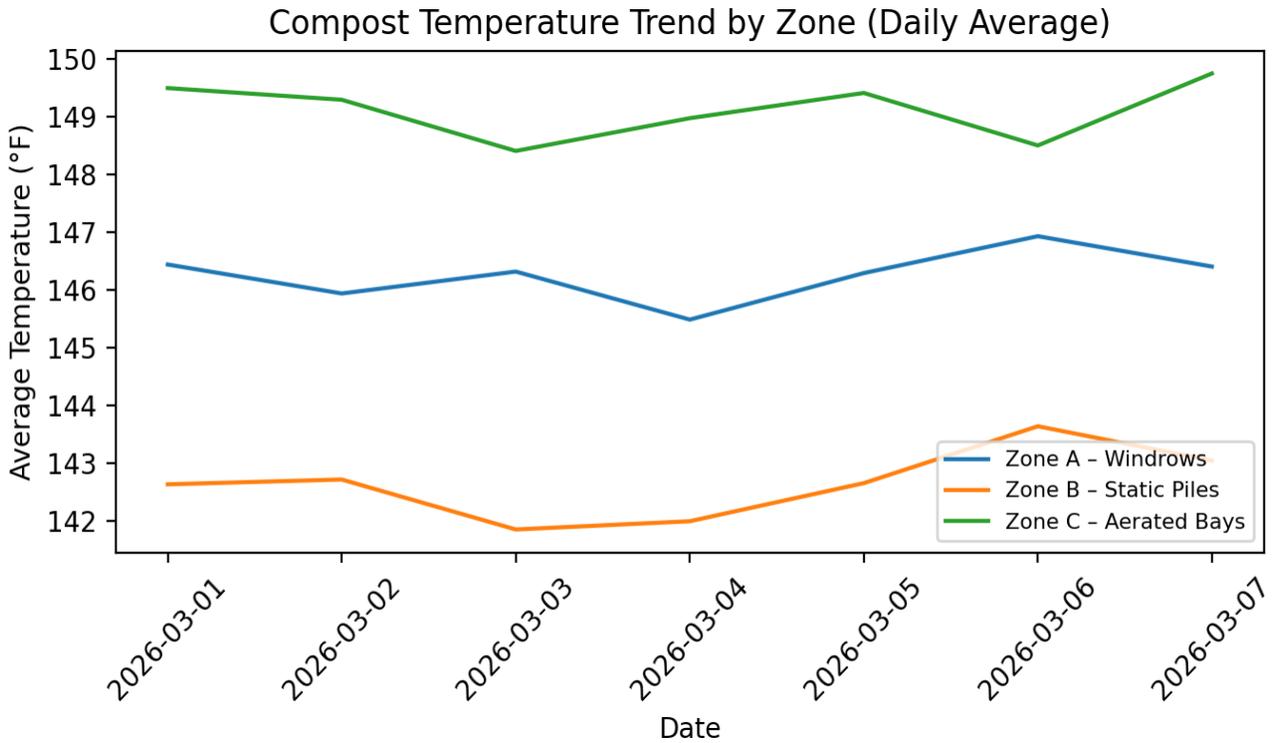
Executive Summary

This report summarizes compost pile temperature data collected using IRYS IoT probes and platform access. The monitoring period shows consistent thermophilic activity across all zones with two short-duration hotspot alerts, both resolved within standard operating response times.

Zone Summary

Zone	Sensors	Avg Temp (°F)	Max Temp (°F)	Alerts
Zone A – Windrows	18	146.2	162.8	1 hotspot
Zone B – Static Piles	16	142.5	158.4	0
Zone C – Aerated Bays	14	148.9	164.1	1 hotspot

Visual Dashboard – Temperature Trends



Alerts & Events

- March 12, 02:40 – Zone A hotspot alert (>160°F sustained for 45 minutes)
- March 27, 14:10 – Zone C hotspot alert (>162°F sustained for 30 minutes)

All alerts were acknowledged and mitigated through standard turning and moisture adjustments.

Notes & Limitations

Monitoring reflects observed sensor data only. IRYS IoT provides temperature monitoring access and documentation outputs and does not certify compost quality, pathogen reduction, fire prevention, or regulatory compliance.

Appendix A – Sensor Readings (Extract)

Timestamp	Zone	Sensor ID	Temp (°F)	Alert
2026-03-01 00:00	Zone A – Windrows	A-01	139.9	
2026-03-01 04:00	Zone A – Windrows	A-01	140.6	
2026-03-01 08:00	Zone A – Windrows	A-01	149.3	
2026-03-01 12:00	Zone A – Windrows	A-01	149.5	
2026-03-01 16:00	Zone A – Windrows	A-01	153.6	
2026-03-01 20:00	Zone A – Windrows	A-01	148.5	
2026-03-02 00:00	Zone A – Windrows	A-01	141.7	
2026-03-02 04:00	Zone A – Windrows	A-01	140.6	
2026-03-02 08:00	Zone A – Windrows	A-01	146.2	
2026-03-02 12:00	Zone A – Windrows	A-01	148.6	
2026-03-02 16:00	Zone A – Windrows	A-01	142.4	
2026-03-02 20:00	Zone A – Windrows	A-01	149.1	
2026-03-03 00:00	Zone A – Windrows	A-01	146.2	
2026-03-03 04:00	Zone A – Windrows	A-01	146.0	
2026-03-03 08:00	Zone A – Windrows	A-01	143.8	
2026-03-03 12:00	Zone A – Windrows	A-01	147.6	
2026-03-03 16:00	Zone A – Windrows	A-01	149.4	
2026-03-03 20:00	Zone A – Windrows	A-01	147.8	
2026-03-04 00:00	Zone A – Windrows	A-01	144.7	
2026-03-04 04:00	Zone A – Windrows	A-01	143.6	
2026-03-04 08:00	Zone A – Windrows	A-01	145.3	
2026-03-04 12:00	Zone A – Windrows	A-01	148.7	
2026-03-04 16:00	Zone A – Windrows	A-01	145.1	
2026-03-04 20:00	Zone A – Windrows	A-01	147.9	

Timestamp	Zone	Sensor ID	Temp (°F)	Alert
2026-03-05 00:00	Zone A – Windrows	A-01	142.9	
2026-03-05 04:00	Zone A – Windrows	A-01	142.7	
2026-03-05 08:00	Zone A – Windrows	A-01	150.7	
2026-03-05 12:00	Zone A – Windrows	A-01	144.5	
2026-03-05 16:00	Zone A – Windrows	A-01	149.1	
2026-03-05 20:00	Zone A – Windrows	A-01	151.5	
2026-03-06 00:00	Zone A – Windrows	A-01	146.1	
2026-03-06 04:00	Zone A – Windrows	A-01	145.3	
2026-03-06 08:00	Zone A – Windrows	A-01	145.1	
2026-03-06 12:00	Zone A – Windrows	A-01	150.4	
2026-03-06 16:00	Zone A – Windrows	A-01	146.0	
2026-03-06 20:00	Zone A – Windrows	A-01	138.7	
2026-03-07 00:00	Zone A – Windrows	A-01	143.4	
2026-03-07 04:00	Zone A – Windrows	A-01	151.3	
2026-03-07 08:00	Zone A – Windrows	A-01	147.4	
2026-03-07 12:00	Zone A – Windrows	A-01	151.1	
2026-03-01 00:00	Zone A – Windrows	A-02	148.2	
2026-03-01 04:00	Zone A – Windrows	A-02	150.1	
2026-03-01 08:00	Zone A – Windrows	A-02	138.4	
2026-03-01 12:00	Zone A – Windrows	A-02	148.6	
2026-03-01 16:00	Zone A – Windrows	A-02	148.1	
2026-03-01 20:00	Zone A – Windrows	A-02	151.6	
2026-03-02 00:00	Zone A – Windrows	A-02	148.8	
2026-03-02 04:00	Zone A – Windrows	A-02	146.4	

Timestamp	Zone	Sensor ID	Temp (°F)	Alert
2026-03-02 08:00	Zone A – Windrows	A-02	152.2	
2026-03-02 12:00	Zone A – Windrows	A-02	134.5	
2026-03-02 16:00	Zone A – Windrows	A-02	144.5	
2026-03-02 20:00	Zone A – Windrows	A-02	146.8	
2026-03-03 00:00	Zone A – Windrows	A-02	152.1	
2026-03-03 04:00	Zone A – Windrows	A-02	149.1	
2026-03-03 08:00	Zone A – Windrows	A-02	147.0	
2026-03-03 12:00	Zone A – Windrows	A-02	150.2	
2026-03-03 16:00	Zone A – Windrows	A-02	146.3	
2026-03-03 20:00	Zone A – Windrows	A-02	147.1	
2026-03-04 00:00	Zone A – Windrows	A-02	145.1	
2026-03-04 04:00	Zone A – Windrows	A-02	142.0	
2026-03-04 08:00	Zone A – Windrows	A-02	142.3	
2026-03-04 12:00	Zone A – Windrows	A-02	144.2	
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2026-03-05 12:00	Zone A – Windrows	A-02	138.6	
2026-03-05 16:00	Zone A – Windrows	A-02	148.7	
2026-03-05 20:00	Zone A – Windrows	A-02	156.0	
2026-03-06 00:00	Zone A – Windrows	A-02	149.2	
2026-03-06 04:00	Zone A – Windrows	A-02	153.5	