



Fossil Creek

Anchorage Regional Landfill

Capital Projects Update July 2026



Integrated Solid Waste Master Plan Addendum May 2026

- Tipping Building Replacement
- Merrill Field Update
- Gas Collection Control System
- Evaporator





Tipping Building Replacement

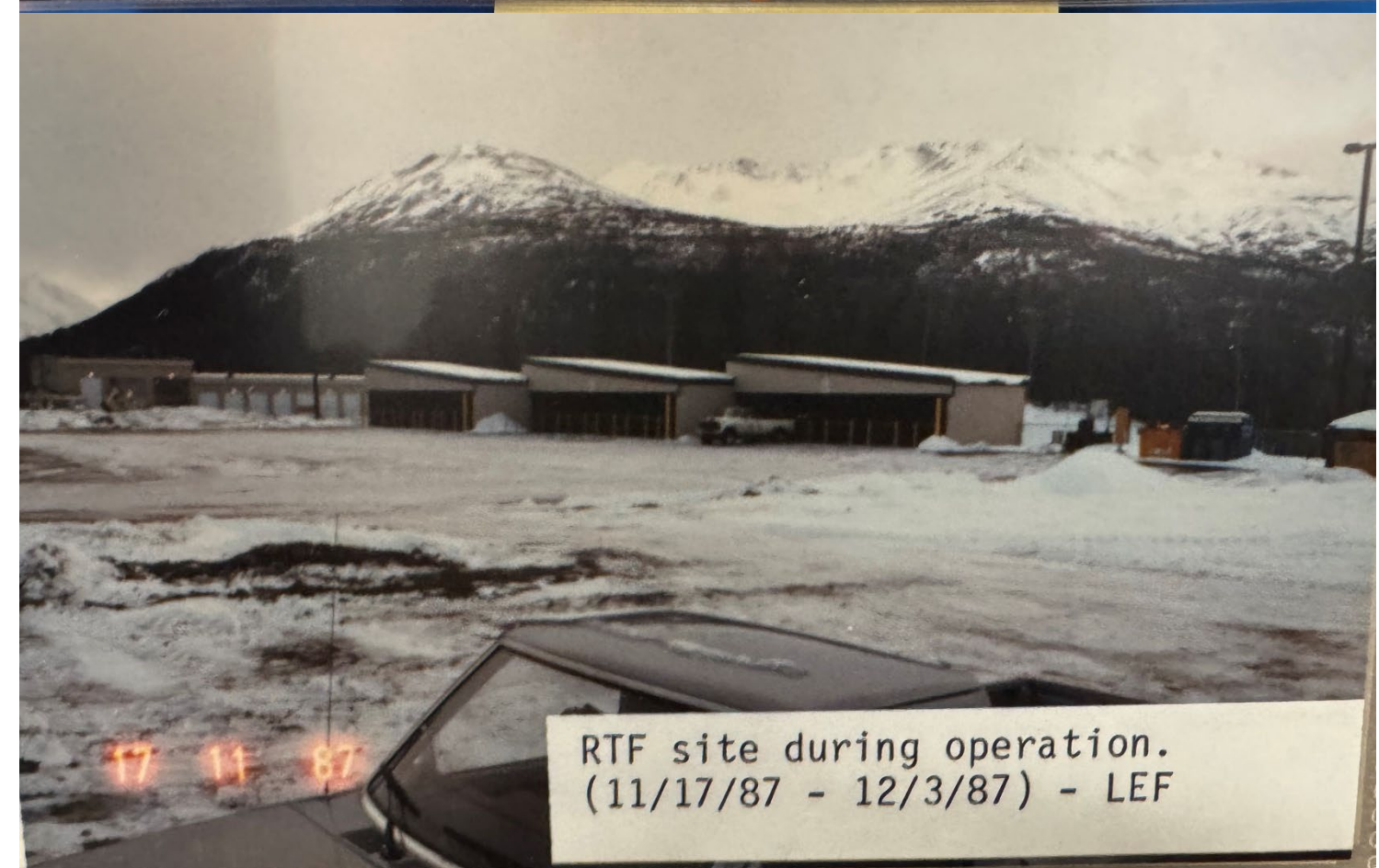
40 Years Ago



West side of site.
(11/17/87 - 12/3/87) - LEF



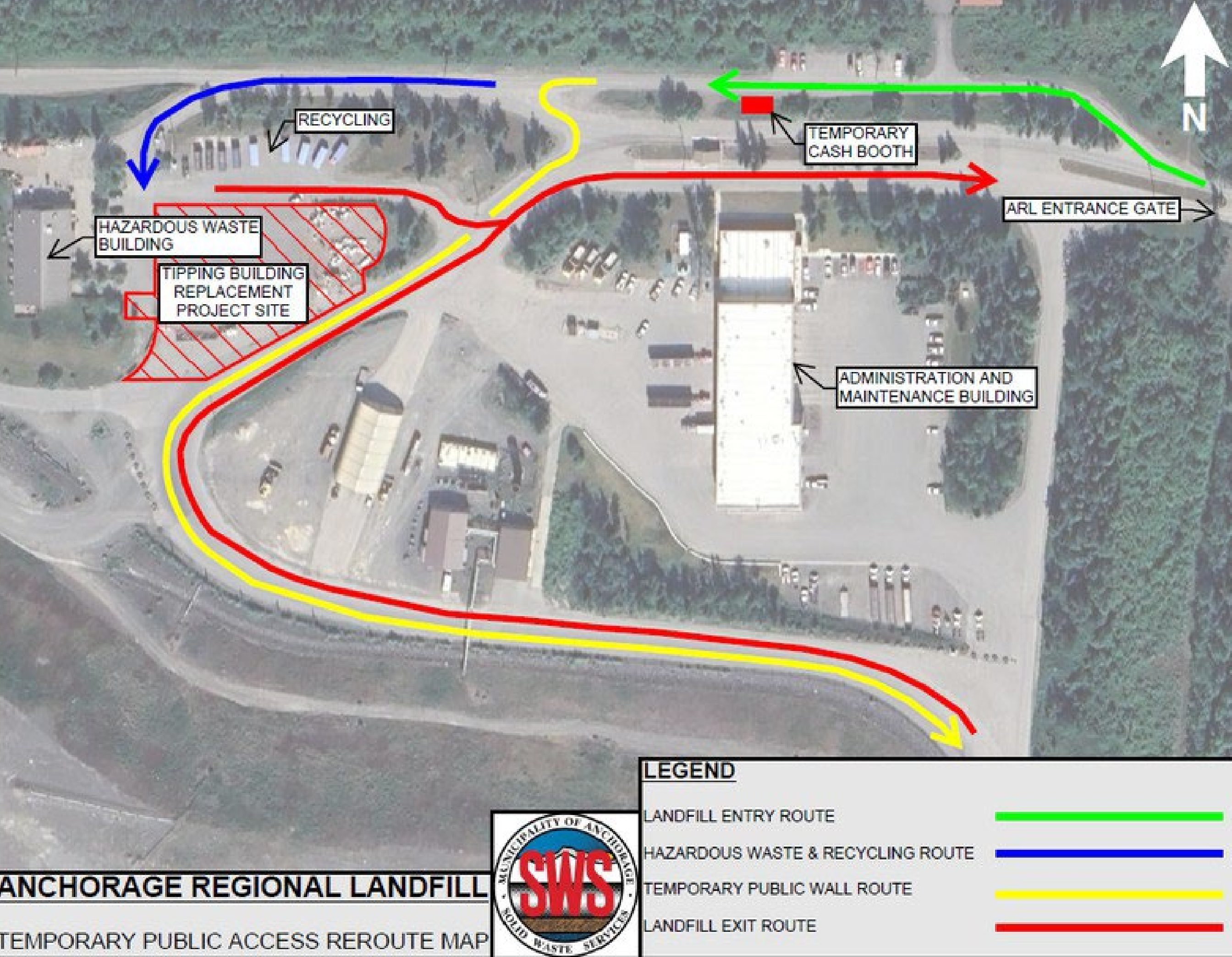
Paving lower level of RTF.
LEF - 9/14-16/87



RTF site during operation.
(11/17/87 - 12/3/87) - LEF

Tipping Building Replacement

Fall 2026



Compliance Order By Consent (COBC):

Notice to *ADEC
including details of
flare and components

Operational by
9/30/2028 Installation
of new 3,000 SCFM
flare (Standard Cubic
Feet Minute)

**Alaska Department of
Environmental
Conservation aka our
regulators and
collaborative partners*





New Gas Collection and Control Systems



Gas Collection and Control New Operations and Maintenance Contract



Before



After

Temporary building
can be relocated

Proposed
BioGas
Building

New
Flare

2,000 SCFM
Flare

Photo Credit: Tetra Tech



Evaporator Site

Anchorage
Regional Landfill

Fossil Creek

Evaporator:
50,000 gallons per day

Lagoons



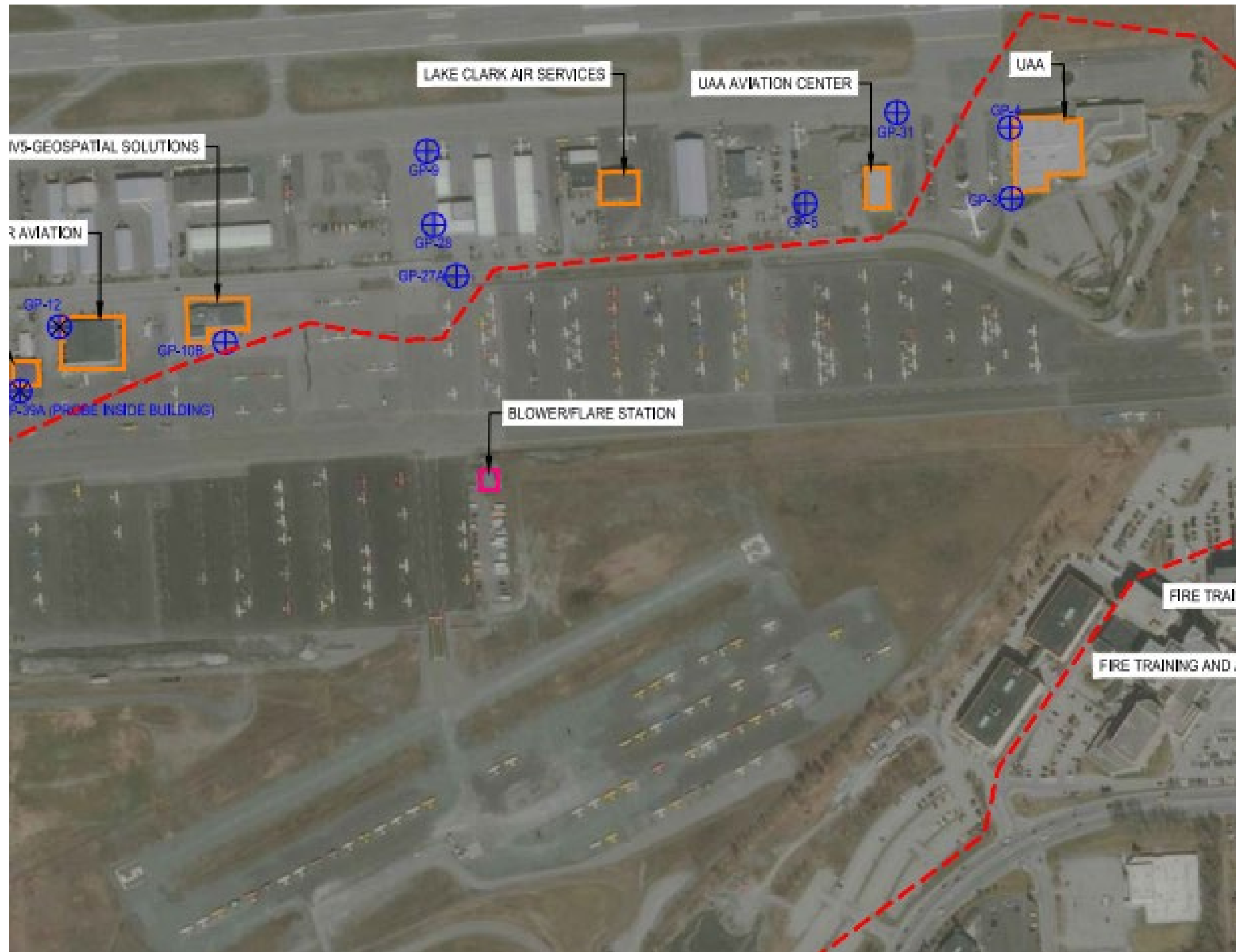
Thank you Richelle!
The solar panels are
operational.

Merrill Field

Emergency Landfill Gas Collection System Upgrades

Construction Season 2026 Update
July 16, 2026





Project Background

February 2025

- Quarterly Routine Monitoring showed methane levels above LeL (Lower Explosive Limit) in a MFL Building.
- SWS retained SCS to monitor and design upgrades to the MFL GCCS



2025 Construction

Drilled 21 New LFG Wells

Installed 1500 ft new LFG Header

Connected 5 LFG Wells to System

Install (2) New LFG Blowers

Install New Flare Control System

2025 Construction Outcomes



**Continuous LFG Flare Operation
(Consistent LFG Collection and Destruction)**

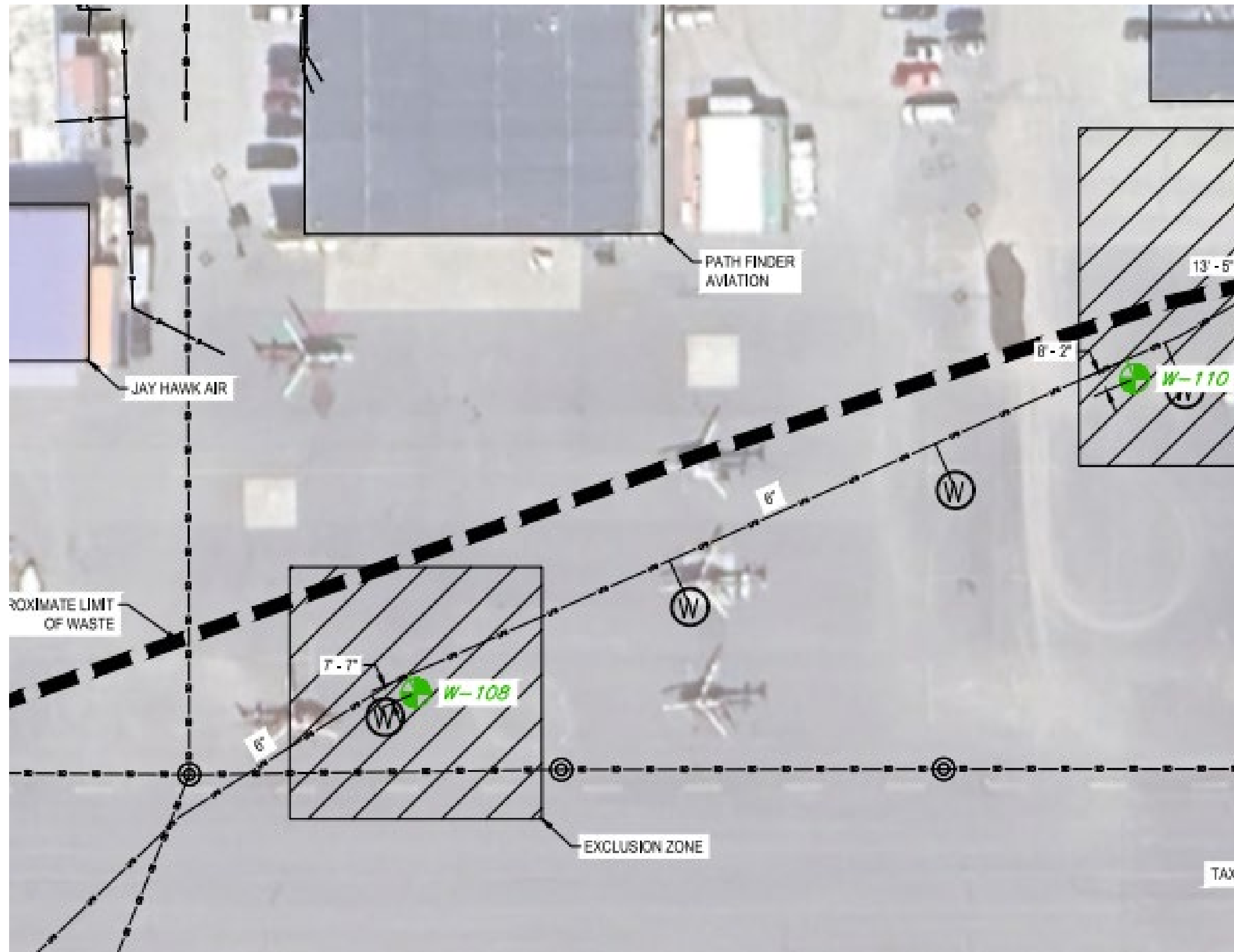


Flare Remote Access Capability

**Notification if Flare goes offline.
Ability to Re-start Remotely.**



All buildings have shown 0.0% Methane in Monitoring Events.



2026 Construction

Connect 4 LFG Wells to Existing Header

Balance Wellfield with Monthly Readings

Demobilize Equipment and Construction Material



Flare Data

ZERO maintenance shutdowns to date in 2026.

- Flare had been down for an unknown period before the Feb. 2025 Monitoring Event.
- Flare had been down for two months in 2024 while SWS tried to locate spare parts for aging system.

Flare Data

Flow Average for 2025:

- 141 SCFM*

*Does not account for days where flare was down and flow was 0 SCFM

Flow Average for 2026 to date:

- 172.26 SCFM



Resource Recovery





S W S SUMMARY:

Strategic Plan- Complete

Integrated Solid Waste Master Plan Update- Complete

Public Wall, GCCS, Evaporator, Stormwater- In-Progress

Merrill Field Construction Nearly Complete

Beneficial Use and Resource Recovery- Ongoing Priority