



Former
Fort Ord,
Monterey
County,
California

Fort Ord Operable Unit 2 Landfills

Community Involvement Mobile Workshop, February 3, 2018

Technical Review Committee Meeting, February 6, 2018

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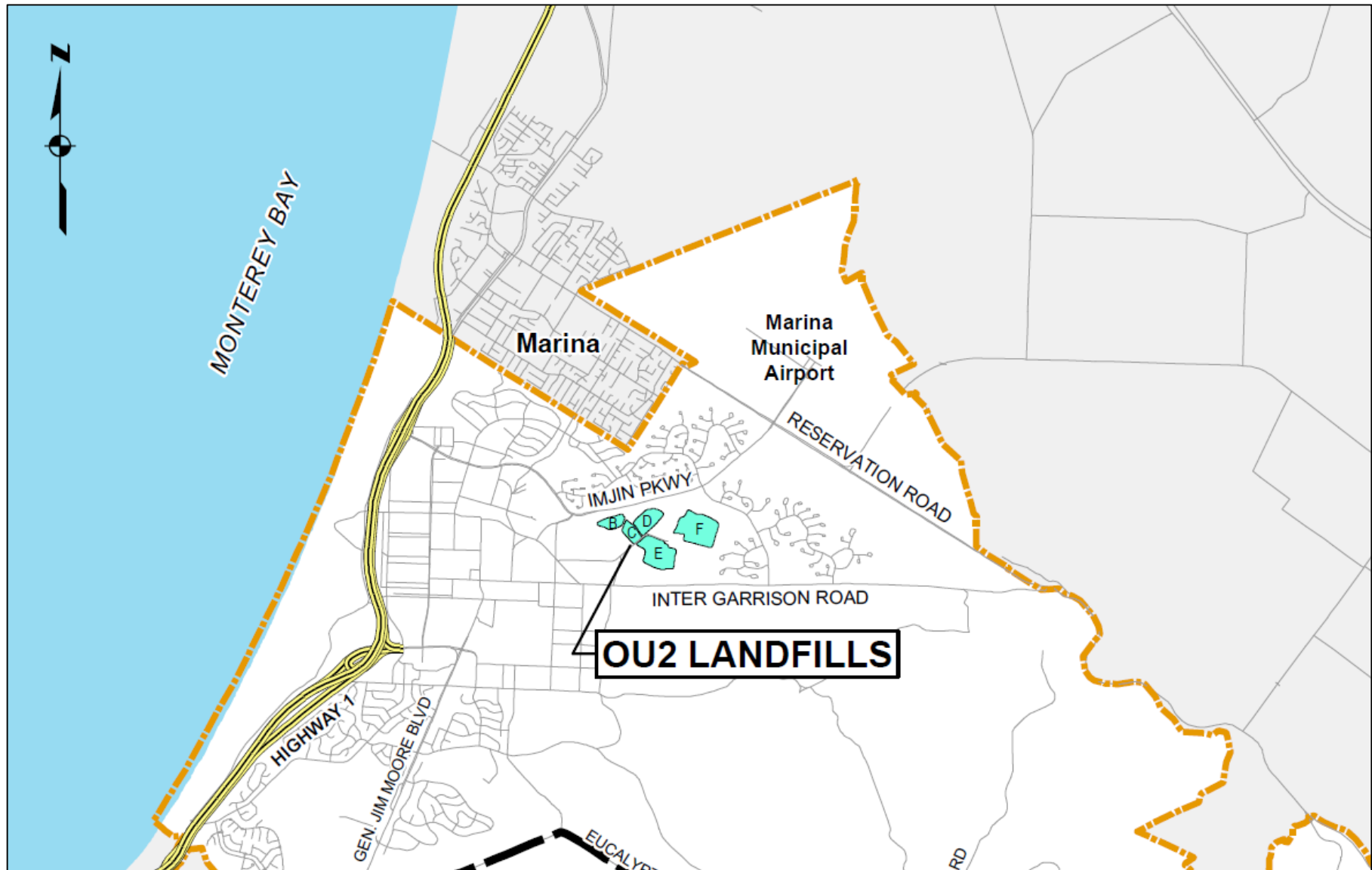


Fort Ord OU2 Landfills

- Used for residential and on-base waste disposal, 1956 to 1987
- Record of Decision 1994
 - Identifies the selected remedy for the Landfills as an engineered cover system
 - Agreement between the Army, U.S. Environmental Protection Agency (USEPA) and California EPA
- Engineered cover constructed in 3 phases
 - 1997 to 1998
 - 2002 to 2003
 - 2013
- Landfill incorporates soils from other Fort Ord remediation sites, placed under the engineered cover

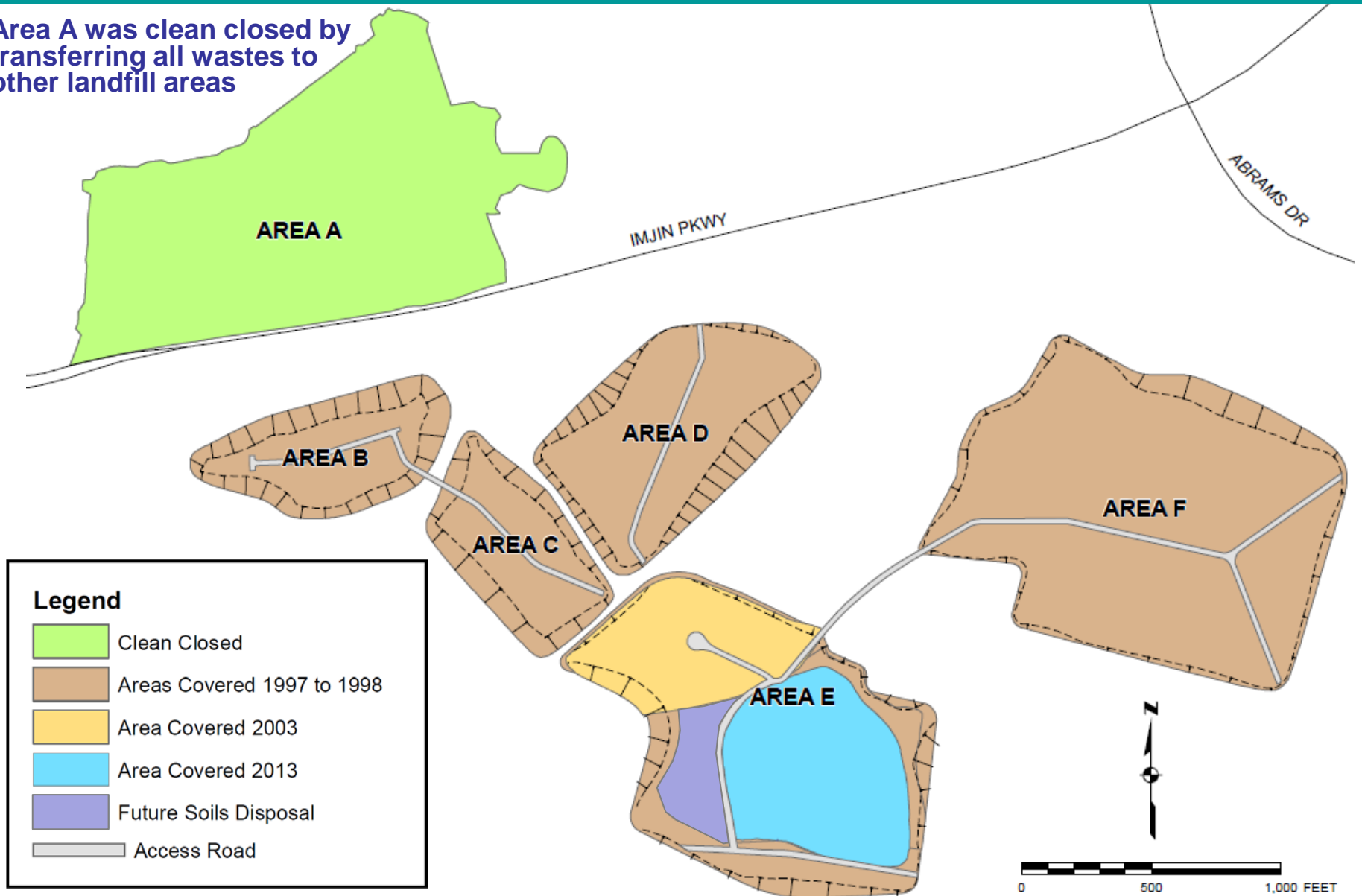


Fort Ord OU2 Landfills Location



Fort Ord OU2 Landfills Status

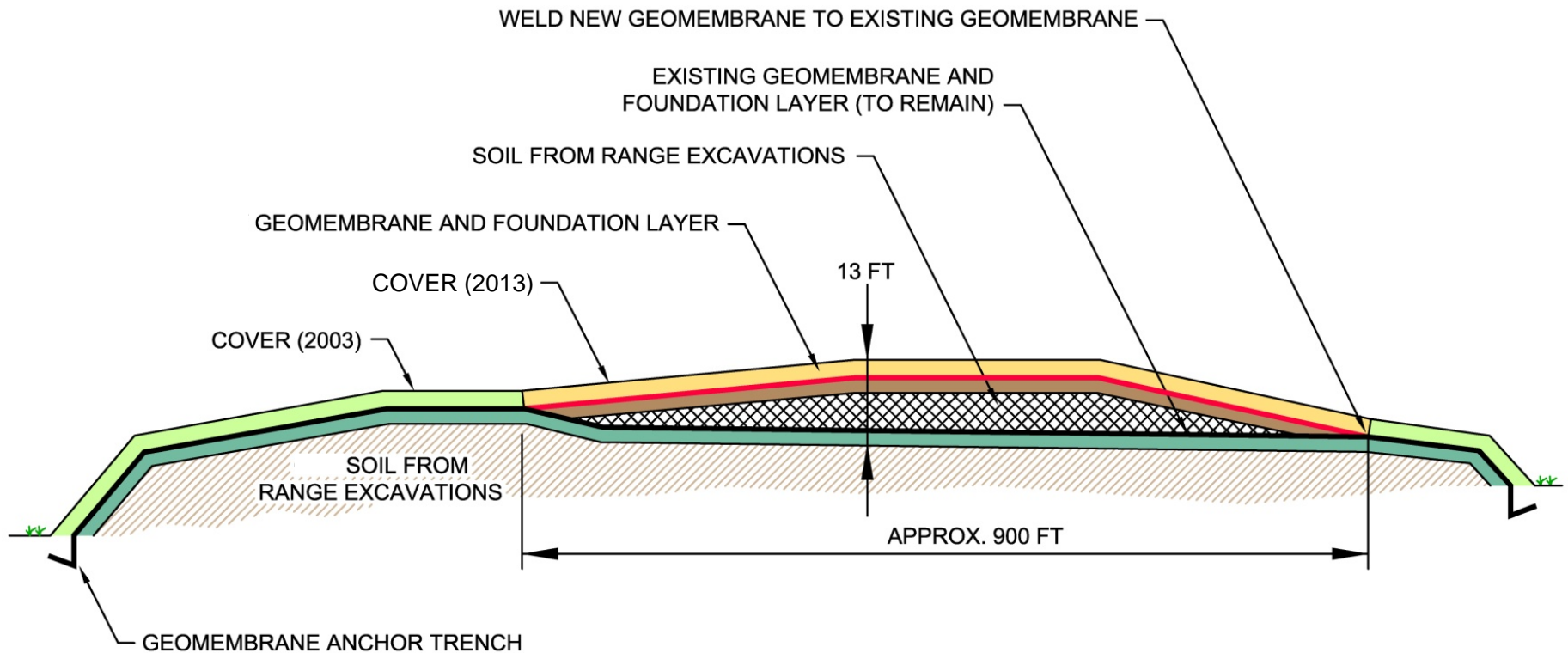
Area A was clean closed by transferring all wastes to other landfill areas



Area E Cover Construction - 2003



Area E Cover System Installed in 2013



Covering Area E in 2013



Geomembrane
factory inspection



Rolling out
geomembrane



Joining geomembrane
seams



Welding
geomembrane seams



Placing vegetative
cover soil



Hydroseeding
with native seed

Landfills Cover Maintenance



Area F vegetative cover erosion repairs



Area E concrete lined drainage ditch

Landfills Cover Maintenance



Standard owl box installed at
Area B



Owl box with raptor perches
installed at Area B

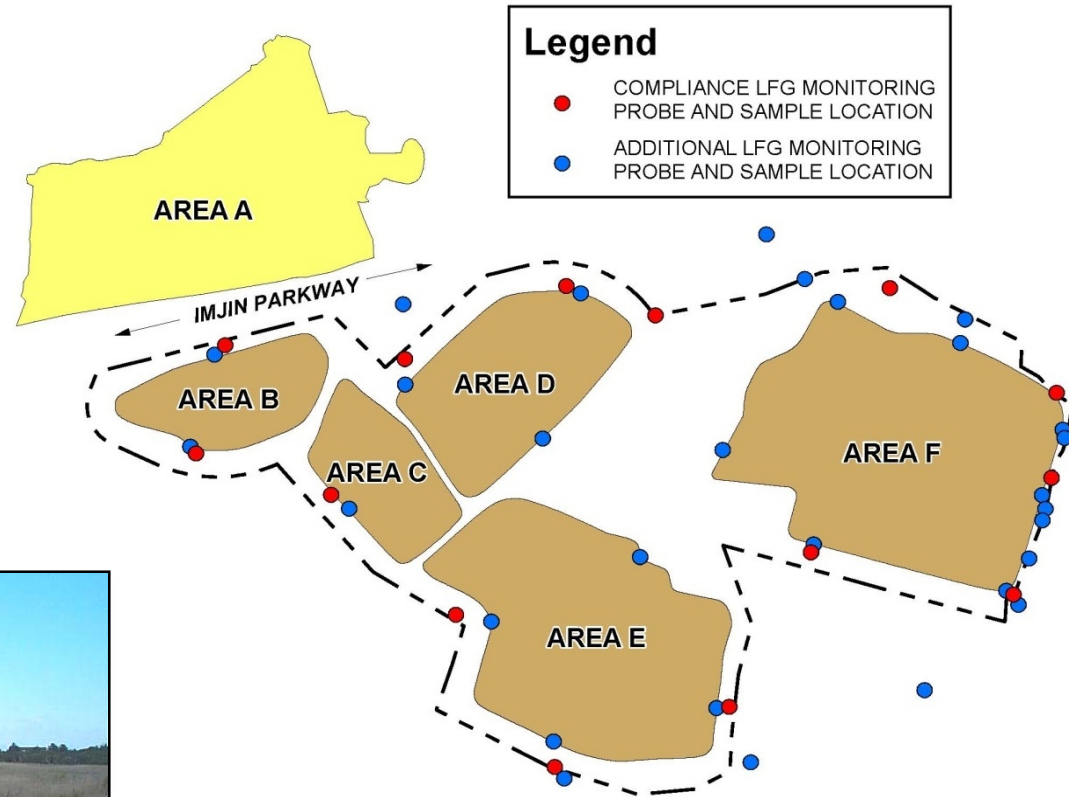
Landfill Gas

- Produced in all landfills when organic waste decomposes
- Gases are mostly methane and carbon dioxide with small amounts of other organic gases (similar to compounds that have been found in groundwater beneath the landfill)
- Monitoring for landfill gas required by regulation is part of routine maintenance
- Landfill gas is extracted and treated



Landfill Gas Monitoring Locations

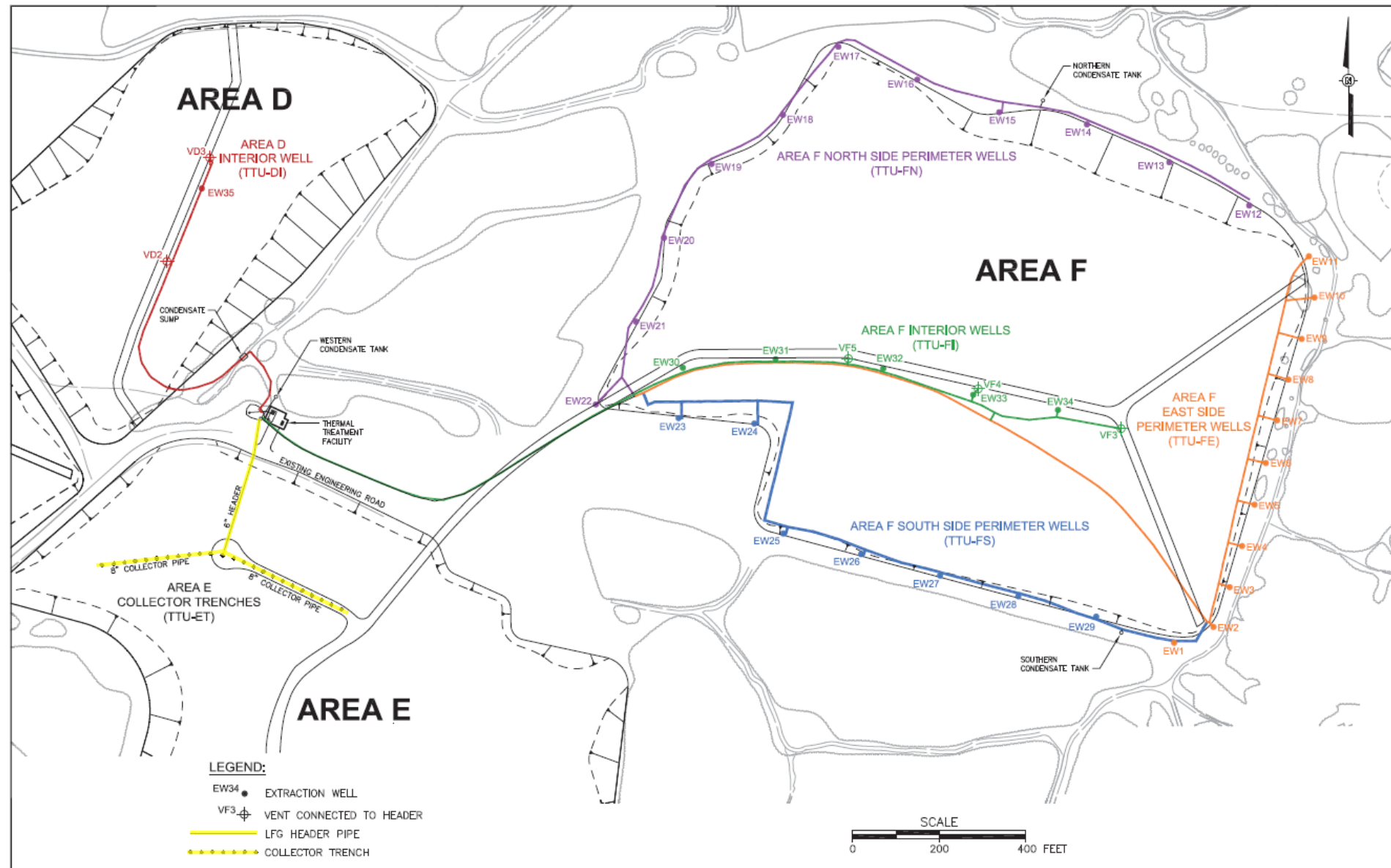
- Monitoring is required by California regulation to show that methane does not exceed 5% at landfill perimeter
- Monitoring of probes and ambient air has demonstrated no impact to surrounding community



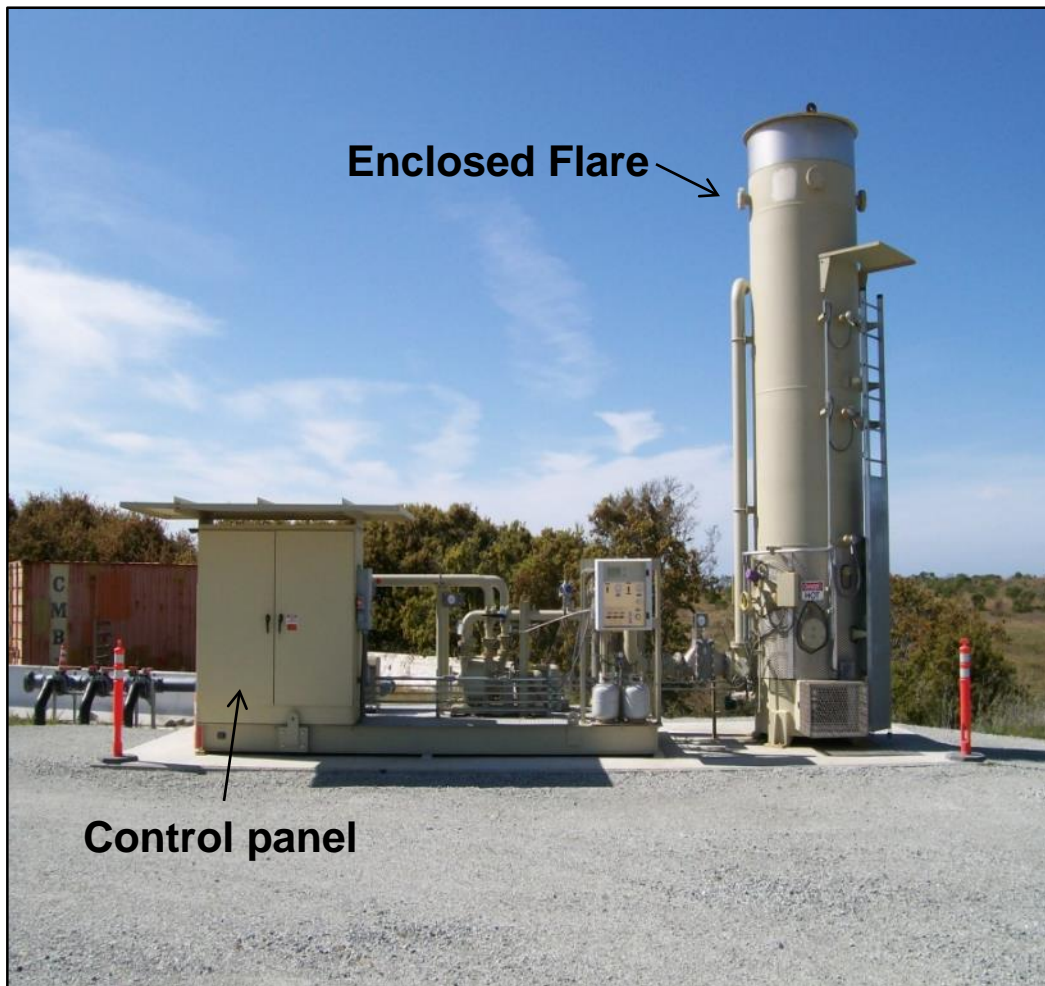
Methane is monitored below ground with “perimeter probes” installed all around the landfill property boundary



Landfill Gas Extraction and Treatment



Landfill Gas Thermal Treatment Unit



- Industry standard design
- High temperature destruction of organic compounds including methane
- Operating since April 2006
- Destroys volatile organic compounds (VOCs) that otherwise could potentially reach soil, groundwater or the atmosphere

For Additional Information

Visit the Army's website at:
www.fortordcleanup.com

Visit the Fort Ord Administrative Record at:
Building 4463 Gigling Road, Room 101
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