

**2024  
SOLANO COUNTY  
ANNUAL REPORT LOCAL AGENCY MANAGEMENT PLAN**

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## 2024 Annual Report Local Agency Management Plan (LAMP)

**Complaint Investigation:** Nine complaints regarding Onsite Wastewater Treatment Systems (OWTS) were received in 2024. All complaints were investigated. All complaints are resolved with the exception of one. The one outstanding complaint is in regard to a dilapidated property with the property owners living in recreational vehicles and no longer using the dilapidated structure for housing. Sporadic discharges of sewage occur from the trailers. Referral is made to Solano County Superior Court with eviction language pending for the property owners with interaction from the property Trust.

**Permitted Septic Tank Cleaning Businesses:** Twenty companies have valid permits from Solano County for septic cleaning and pumping services. There are 46 service vehicles permitted in Solano County. Two companies have eight permitted vehicles, three companies has three permitted vehicles, four companies have two permitted vehicles, and the remaining eleven companies have one permitted vehicle. Solano County has two Publicly Owned Treatment Works, (Easterly Treatment Plant in Vacaville, CA and Vallejo Flood and Sanitation District in Vallejo, CA), which accepts pumping waste from septic tanks. Records of all pumper truck discharges are forwarded to this office for review from the Easterly Treatment Plant. All septic tank cleaning vehicles are inspected for compliance with Solano County Code Chapter 25 as part of the permitting process. Both POTW's verify all pumper trucks using the discharge facilities have valid permits from Solano County. Solano County is currently transitioning all pumper trucks to have December permit expiration dates synchronized for all trucks to help facilitate coordination with the Publicly Owned Treatment Plants were waste is discharged.

**Variations:** No variations were issued during the 2024 calendar year. Information regarding historic variations issued and site locations are included in the attached data sheets.

**Permit Issuance for Construction – OWTS** This office issued 58 permits for construction of onsite wastewater treatment systems in 2024. 33 permits were issued under Tier 2. 25 permits were issued as repairs for failing and/or dilapidated OWTS systems under Tier 4. The LNU Fire occurred in August 2020 destroying approximately 309 residential structures. Approximately half of the destroyed homes are reconstructed at this time. All Tier 4 repair permits were obtained voluntarily. The number of repair permits issued for system replacement can be attributed to the aging of historic Onsite Wastewater Treatment Systems.

**Operation and Maintenance Program** This office issues annual permits and includes system review and maintenance requirements for all engineered onsite sewage disposal systems in Solano County. At this time there are 447 alternative type OWTS systems permitted in Solano County. For reference the number of permitted OWTS from previous annual reports are as follows: Permitted Alternative Systems with Ongoing Operations and Maintenance Requirements:

2018 – 403 Issued O and M Permits for Alternative OWTS  
2019 – 430 Issued O and M Permits for Alternative OWTS  
2020 – 446 Issued O and M Permits for Alternative OWTS  
2021 – 453 Issued O and M Permits for Alternative OWTS  
2022 – 447 Issued O and M Permits for Alternative OWTS  
2023 – 526 Issued O and M Permits for Alternative OWTS  
2024 – 538 Issued O and M Permits for Alternative OWTS

The number of Issued O and M Permits for Alternative OWTS is slightly increased from the year 2022 as the Lightning Complex Fire of August 2020 destroyed 309 single family homes with approximately 155 permits now issued to date to rebuild the fire destroyed homes. Fire

destroyed homes with alternative OWTS have the O and M Permit placed into inactive status. Verification of the OWTS suitability for use is made with pending reconstruction and certification for any required repairs prior to placing the OWTS back into service.

. The following are reviewed and monitored as part of the approved LAMP program:

- Staff review of system performance data and field inspection results for the OWTS system are reviewed as part of the Operations and Maintenance Program.
- Identification of any regions or areas impacted by nitrate and / or nitrite as identified at this time using the groundwater data collected as part of the Groundwater Ambient Monitoring and Assessment Program – Geotracker Database - GAMA
- Collecting and analyze ground water monitoring data through water quality monitoring programs associated with complaint investigations, OWTS and maintenance inspections
- Data from the SWAMP and GAMA database
- OWTS pumping receipts to identify sites with multiple service calls
- Issuance of OWTS repair permits
- State Small Drinking Water Permit water sample reporting
- Water sampling associated with the Biosolids Land Application Program,
- Water testing of domestic water wells associated with the issuance of new residential Building Permits
- Water samples submitted to Public Health lab for bacteriological testing of domestic well water in Solano County.