

**2022
SOLANO COUNTY
ANNUAL REPORT LOCAL AGENCY MANAGEMENT PLAN**

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2022 Annual Report Local Agency Management Plan (LAMP)

Complaint Investigation: Eleven complaints regarding Onsite Wastewater Treatment Systems (OWTS) were received in 2022. All complaints were investigated. All complaints are resolved with the exception of two. Two complaints are referred to Code Enforcement as the OWTS performance is impacted with unapproved connections to an existing OWTS. Code Enforcement is working with property owners for relocation of tenants living in substandard conditions. Environmental Health is actively coordinates with the Code Enforcement Section of the Solano County Building Division.

Permitted Septic Tank Cleaning Businesses: Twenty-one companies have valid permits from Solano County for septic cleaning and pumping services. There are 49 service vehicles permitted in Solano County. Two companies have eight permitted vehicles, one company has five permitted vehicles, three companies have 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.

Variations: No variations were issued during the 2022 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 83 permits for construction of onsite wastewater treatment systems in 2022. 68 permits were issued under Tier 2. 15 permits were issued as repairs for failing and/or dilapidated OWTS systems under Tier 4. Two of the Tier 4 permits include OWTS systems damaged or destroyed by the LNU. Most properties rebuilding from the LNU Fire in 2022 were able to utilize the existing OWTS with a reconnection of the lateral to the new residence. The LNU Fire occurred in August 2020. All Tier 4 repair permits were obtained voluntarily. The number of repair permits issued for system replacement can be attributed to the aging 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

The number of Issued O and M Permits for Alternative OWTS is slightly reduced from the previous year as the Lightning Complex Fire of August 2020 destroyed 309 single family homes with 94 permits 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.