

ONSITE WASTEWATER TREATMENT SYSTEMS

Local Agency Management Program



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Introduction

The purpose of the Local Agency Management Program's (LAMP) Annual Report is to inform the Regional Water Quality Control Boards (RWQCB) regarding the status of Onsite Wastewater Treatment Systems (OWTS) currently under the purview of San Bernardino County. Department of Public Health Environmental Health Services (EHS) is the designated lead agency for the LAMP. EHS and the Land Use Services Department (LUSD) Building and Safety (BNS) and Code Enforcement (CE) are all reporting agencies.

The LAMP achieves the Countywide Vision of providing sustainable community health by protecting groundwater resources and surface water bodies from contamination through the proper design, placement, installation, maintenance, and assessment of individual OWTS. The LAMP contains minimum standards for the treatment and disposal of wastewater through the use of OWTS within unincorporated areas of San Bernardino county.

San Bernardino county encompasses areas of three RWQCBs: Lahontan (Region 6), Colorado River (Region 7), and Santa Ana (Region 8). The Lahontan RWQCB was designated as the lead agency responsible for approving San Bernardino County's LAMP. The LAMP was approved by the Lahontan RWQCB on July 15, 2017. Information presented in this report covers the period from July 1, 2017 to June 30, 2018 (FY 17-18).



Reporting Requirements

As outlined in Chapter 8 of the [LAMP](#), San Bernardino County will report the following information to the RWQCBs on an annual basis, no later than February 1 of each year. The following will be addressed in accordance with the LAMP:

- i. The quantity and location of complaints pertaining to OWTS in the unincorporated areas of the county, and specifying which complaints were investigated, and how the complaints were resolved.
- ii. The permits issued for new and replacement OWTS, including the:
 - a. Number,
 - b. Location,
 - c. Description of the permits, and
 - d. Which tier the permit was issued under.
- iii. The quantity, location, and description of permits issued for OWTS where a variance was granted.
- iv. The number, location, and results of septic tank pumper inspection reports that were received.
- v. A list of the applications and registrations issued for the Liquid Waste Hauler Program.
- vi. The permits issued to domestic and municipal supply wells, including:
 - a. Number,
 - b. Location, and
 - c. Description of permits.
- vii. A written assessment and tabulation of the data in each information type including:
 - a. The distribution of new OWTS grouped by lot size, and
 - b. Any new OWTS with supplemental treatment, and type of dispersal, including type of alternative dispersal system.

San Bernardino County will continue to collaborate with the RWQCBs to ensure that the annual reports consistently communicate information and findings.

Reference data used in the creation of all of the maps and the pumper reports may be reviewed using the following link: <https://healthstat-sbco.data.socrata.com/Environmental-Health/San-Bernardino-County-LAMP-Reference-Data-Fiscal-Y/txta-8hqt>

Complaints

Responding to OWTS complaints within San Bernardino county is a multi-agency effort. Complaints are processed and handled by EHS or CE. The determination of which agency is responsible to investigate the complaint is determined by the type of property use and/or type of OWTS.

Code Enforcement

CE responds to complaints regarding sewage discharge on private property for the unincorporated areas of the County. A summary of complaints received during FY 17-18 and the investigation results may be located by reviewing the reference data. Refer to the [web address](#) on page two.

A total of 51 septic-related sewage complaints were received by CE during this time period. The attached report and data below is a snap shot of the data pulled in the 1st week of July 2018. The case status does not necessarily reflect the sewage violation status, as a CE case may remain open for other types of violations on the property.

RWQCB	Open Complaints	Closed Complaints	Total Septic Related Complaints Received
Colorado River	3	1	4
Lahontan	10	7	17
Santa Ana	9	21	30

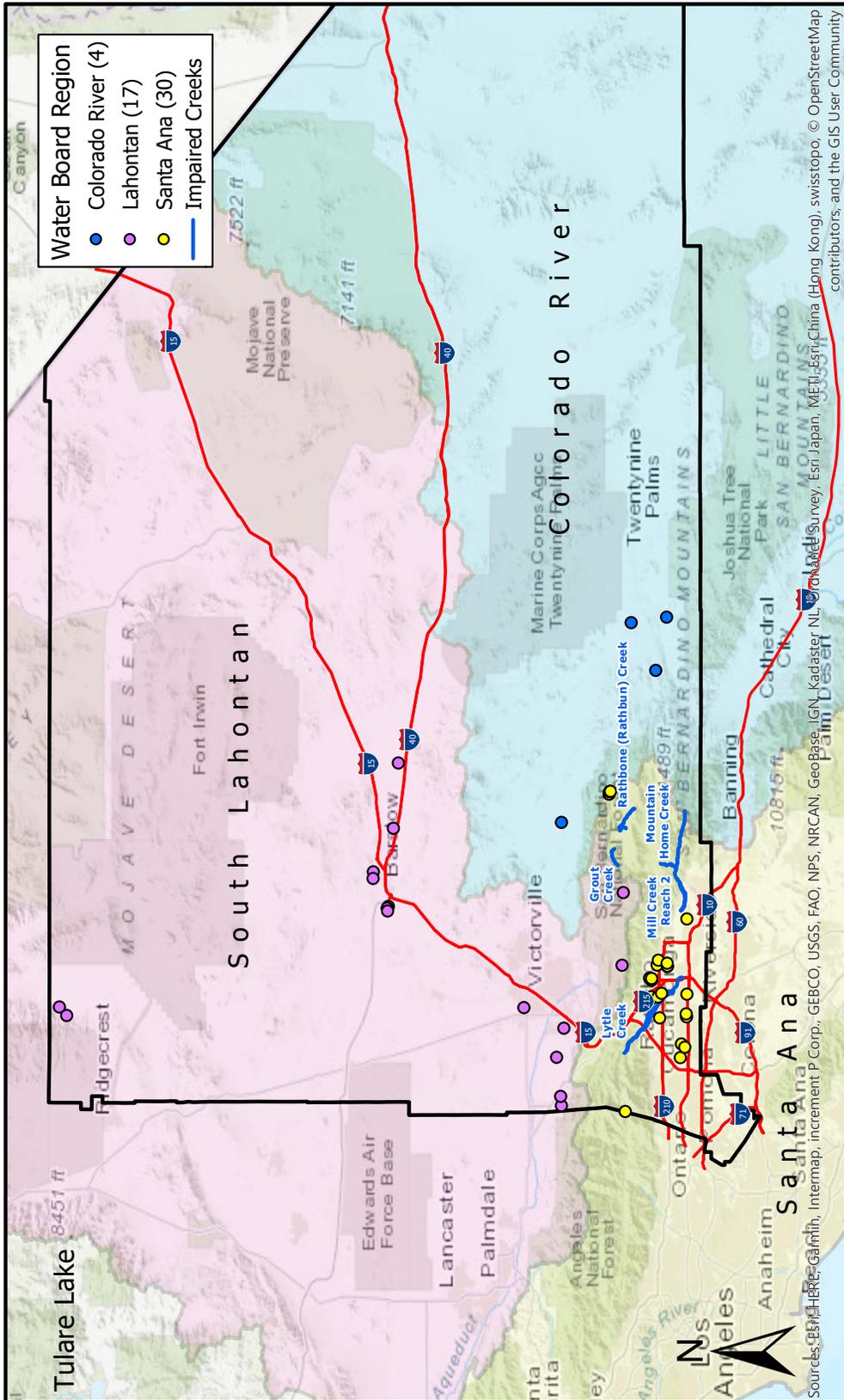
Colorado River: The Colorado River region had four septic related complaints as of July 1, 2018 one case has been closed.

Lahontan: The Lahontan region had 17 septic related complaints, as of July 1, 2018 seven cases have been closed.

Santa Ana: The Santa Ana region had 30 septic related complaints, as of July 1, 2018 nine cases have been closed.

A corresponding map of OWTS Complaints to EHS can be found on the following page.

Link to interactive map: <https://healthstat-sbco.data.socrata.com/d/5evi-55at>



OWTS Complaints, Code Enforcement



*Data Source: San Bernardino County Code Enforcement, Liquid Waste and Sewage Complaints, Fiscal Year 17-18. Retrieved November 7, 2018. Not all labels and features may be viewed due to space restrictions.

Complaints, continued

Environmental Health Services

EHS receives complaints regarding sewage discharge on the ground, odor, and hazards for permitted facilities such as restaurants and multifamily residences (consisting of three or more units). A summary of complaints received during FY 17-18 and the investigation results may be located by reviewing the reference data. Refer to the [web address](#) on page two.

A total of 60 sewage and odor complaints were received by EHS during the fiscal year. Eleven complaints received for incorporated areas were referred to the respective CE department. The remaining 49 complaints were under EHS jurisdiction and were resolved and closed.

Valid sewage complaints for permitted food facilities were addressed and abated immediately upon inspection. Multifamily residence sewage complaints were addressed and abated within 24 hours. If effluent discharge or evidence of prior discharge was not observed during the investigation, the complaint was closed. Odor complaints without discharge on the surface of the ground required abatement.

RWQCB	Odor Complaints Received	Sewage Complaints Received	Total Odor and Sewage Complaints Received
Colorado River	0	4	4
Lahontan	24	8	32
Santa Ana	0	24	24

Colorado River: The Colorado River region had a total of four sewage complaints. EHS closed all four.

Lahontan: The Lahontan region had a total of 32 complaints. Of those complaints, 24 were for odor and eight for sewage. EHS closed 27 of them and referred five to other agencies.

Santa Ana: The Santa Ana region had a total of 24 sewage complaints. EHS closed 18 of them and referred six to other agencies.

OWTS failures that result in the discharge of effluent to receiving waters are of particular concern because of their potential to directly impact public health and the environment. A review of EHS complaint responses during FY 17-18 within the Designated Maintenance Areas (DMA) Mountain Home Village and Forest Falls revealed a total of three complaints. All three were investigated and only one was found to be in violation and was subsequently corrected. No impact to Mill Creek was observed.

A corresponding map of OWTS Complaints to EHS can be found on the following page.

Link to interactive map: <https://healthstat-sbco.data.socrata.com/d/9suu-rdxb>

New and Replacement OWTS

In San Bernardino county, oversight of OWTS installation and maintenance is a multi-agency effort. EHS reviews percolation reports, assigns design rates, and issues variances and approvals for conventional OWTS. BNS approves construction and issues permits for new and replacement OWTS.

Building and Safety

Conventional OWTS:

BNS's primary responsibility is the enforcement of Title 24 of the California Code of Regulations adopted by the State of California and the San Bernardino County Development Code.

The enforcement of these codes is accomplished through the permit process, which includes:

- a. The review of construction plans to determine design compliance with code requirements,
- b. Permit Issuance,
- c. Inspection of the on-site construction work as it progresses, and
- d. Final inspection approval and the issuance of a Certificate of Occupancy or project final.

New and replacement OWTS are included in this process. Below is a summary of OWTS applications for FY 17-18:

Total Number of New OWTS:

New Tier 2	New Tier 3 (New Construction)
110	0

Total Number of Replacements OWTS

Tier 4	Tier 3
254	0

New OWTS by Lot Size

<0.5 Acres	0.5 Acres to <2.5 Acres	2.5 Acres or greater	Total Number of New OWTS
21	61	28	110

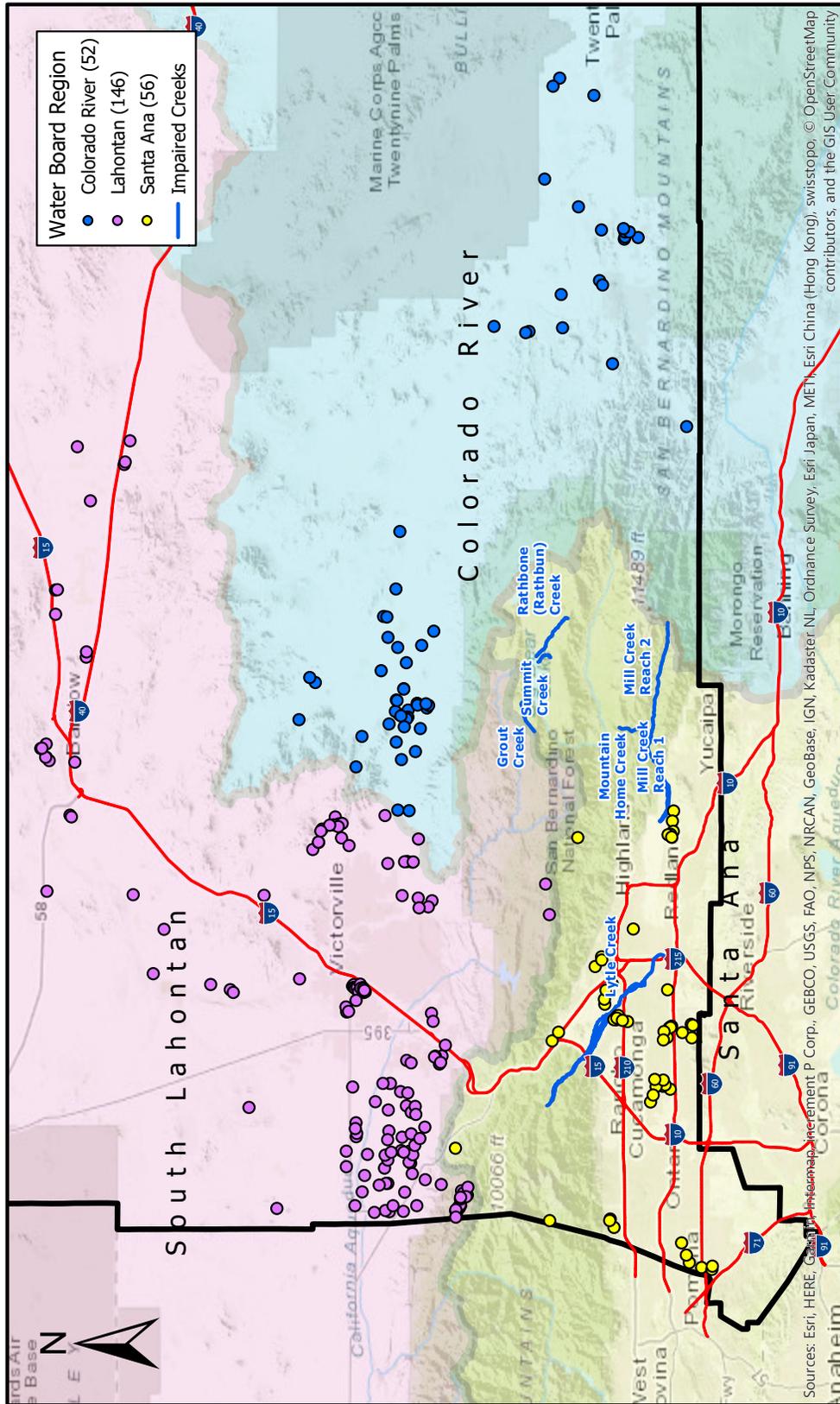
Alternative Dispersal Field Type:

Hybrid	Mound	Sand Filter	Other
0	0	0	0

A summary of permits issued during FY 17-18 may be located by reviewing the reference data. Refer to the [web address](#) on page two.

Corresponding maps of new and repaired/replaced OWTS permits can be found on pages 8 and 9.

Link to interactive map: <https://healthstat-sbco.data.socrata.com/d/nb2g-5h3x>, and <https://healthstat-sbco.data.socrata.com/d/s9bj-sqmh>



Repaired/Replaced OWTS, Building and Safety



0 4.388.75 17.5 26.25 35 Miles

*Data Source: San Bernardino County Land Use Services, Building and Safety, Repaired or Replaced Septic Systems Data, Fiscal Year 17-18, Retrieved November 7, 2018. Not all labels and features may be viewed due to space restrictions.

Alternative OWTS

Advanced Treatment Systems (ATS) and/or Alternative Dispersal Systems (ADS) are required if it is determined that a conventional septic system is not feasible for new construction or the repair/upgrade of any existing OWTS cannot meet the requirements of the LAMP.

EHS reviews percolation reports, issues variances, and approvals for ATS/ADS and issues annual operating permits.

BNS approves construction and issues permits for new and replacement ATS/ADS.

EHS reviews and approves non-conventional OWTS when a project proposal does not conform to the Regional Water Quality Control Board Basin Plan. The use of Advanced Treatment Units (ATU's) or Alternative Dispersal Areas (ADA's) that meet a specific discharge requirement or California State Water Quality Control Board design standard are approved when it is determined that a conventional septic system is not feasible.

EHS has received five submissions for ATU. Three of the reports were approved by EHS for construction. The remaining reports were rejected. No ADA submissions were received.

Record ID	APN	Final Status Date	City	Water Board Region	Status
SR0079306	0604421100000, 0601421120000, 0601421130000	8/8/2017	Joshua Tree	Colorado	Approved
SR0081214	0539223040000	12/17/2017	Newberry Springs	Lahontan	Rejected
SR0082318	1011283120000	3/1/2018	Ontario	Santa Ana	Approved
SR0082924	0583212010000, 0583212060000, 0583212210000	4/3/2018	Morongo Valley	Colorado	Rejected
SR0084527	026303132000	6/26/2018	San Bernardino	Santa Ana	Approved

Building and Safety

No permits for ATU or ADS were issued for the FY 17-18.

Variance

During unforeseen instances, a variance from the LAMP may be permitted. No variances were issued during FY 17-18.

Public Water Systems Data

EHS has been granted primacy by the State Water Resource Control Board Division of Drinking Water (DDW) as the Local Primacy Agency (LPA) with regulatory oversight of small public water systems serving fewer than 200 service connections.

EHS has 227 active Public Water Systems (PWS) with 322 wells under permit. Two new public water system wells were added during the FY 17-18. All PWS routinely sample for total coliform bacteria, *E. coli* and nitrate (as nitrogen). Newly permitted individual wells are also sampled for total coliform bacteria and nitrate throughout the county.

In accordance with California Code of Regulations, Title 22, a PWS is required to sample annually or more frequently for nitrate and report the data to the LPA for evaluation. The Maximum Contaminant Level (MCL) for nitrate (as nitrogen) is 10 mg/L. Nitrates found in drinking water can be an indication of contamination from septic systems and/or other sources, such as agricultural and livestock activities. Monitoring nitrate levels annually can be used to assess the effectiveness of the LAMP and identify areas of concern where more stringent protection programs may be required.

Many water systems draw water from more than one well. Although each well is sampled, sample results can vary between wells. For data mapping, water systems with multiple wells are reported as a single data point, using an averaged nitrate reading. The averaging methodology is consistent with the method outlined in the DDW Consumer Confidence Report Instructions.

A corresponding map of nitrate as nitrogen (NO₃-N) in mg/L can be found on the following page.
Link to interactive map: <https://healthstat-sbco.data.socrata.com/d/y96w-q6bs>

Individual Water Wells Data

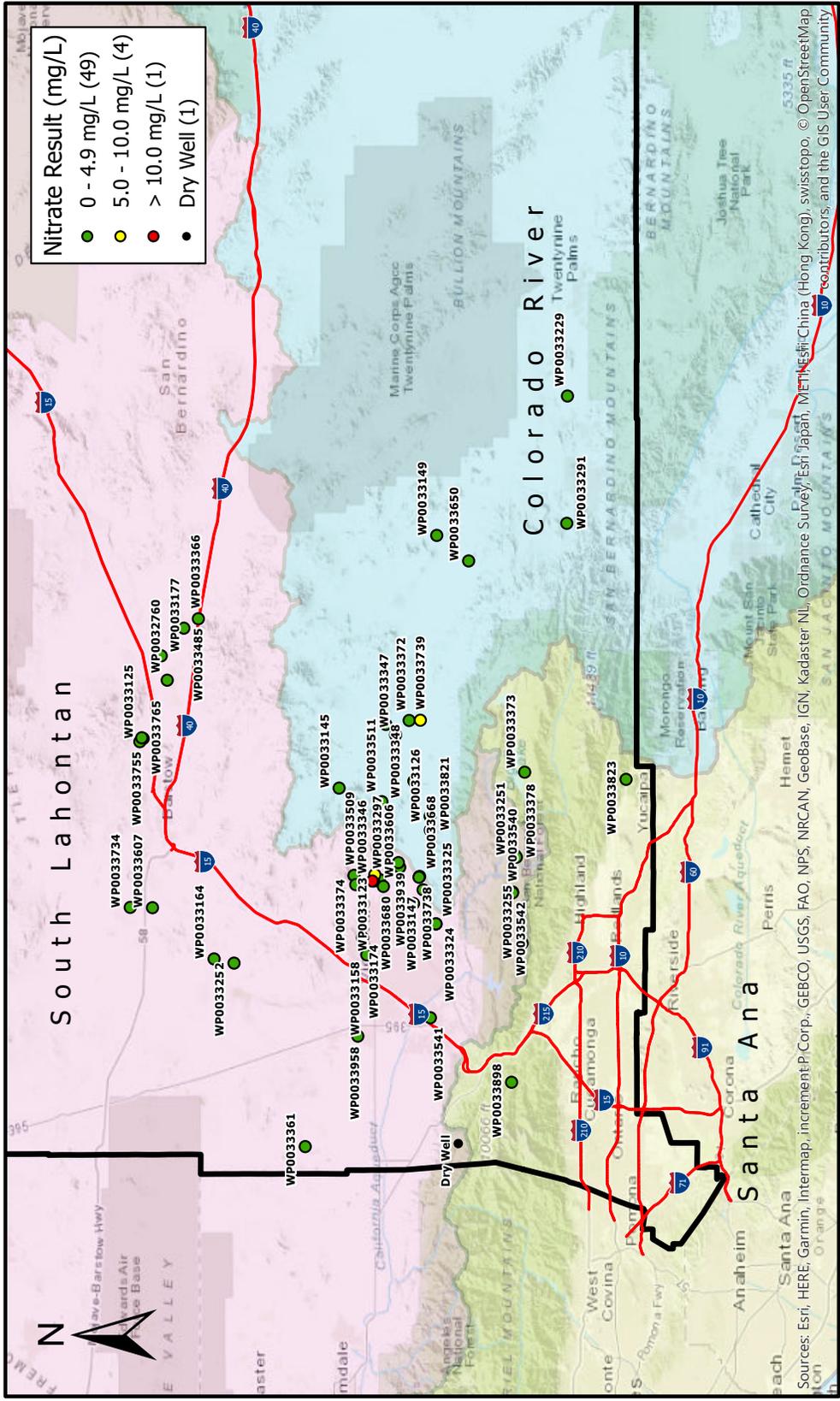
During the FY 17-18, 138 individual and community well construction permits were issued. Once well construction is complete and Well Completion Reports (WCR) are received, samples are taken for coliform and nitrate. EHS received WCR for 52 wells.

Wrightwood Monitoring Well

EHS attempted to sample a monitoring well in Wrightwood on February 3, 2017 but found it to be dry at 226 feet. An attempt was made to sample the well again on November 9, 2018, it was found to be dry. EHS will continue to monitor this well and monitor for other suitable sampling sites in this area.

A corresponding map of nitrate as nitrogen (NO₃-N) in mg/L can be found on the following page.

Link to interactive map: <https://healthstat-sbco.data.socrata.com/d/y96w-q6bs>



Individual Wells w/Nitrate Results, Environmental Health Services



0 5 10 20 30 40 Miles
 *Data Source: San Bernardino County Environmental Health Individual Well Data, Fiscal Year 17-18. Retrieved November 7, 2018. Not all labels and features may be viewed due to space restrictions.

Liquid Waste Hauler Information

EHS issues an annual permit for haulers of sanitary waste. There are currently 91 registered liquid waste hauler companies operating in San Bernardino County. As part of the permitting requirement, the hauler is required to send EHS monthly reports documenting where the sanitary waste was pumped, the approximate number of gallons, and where it was disposed. Listed below are the companies currently permitted to operate within San Bernardino County.

Record ID	Name	City
PR0005963	A & A PLUMBING & ROOTER	ONTARIO
PR0005964	A & A SEPTIC SERVICE	APPLE VALLEY
PR0042126	A M J PUMPING	FONTANA
PR0039983	A1 PLUMBING	OUT OF COUNTY
PR0001064	AAA PORTABLE RESTROOM CO	OUT OF COUNTY
PR0007969	AAA PUMPING	YUCCA VALLEY
PR0042225	ABEL'S SEPTIC SERVICE	APPLE VALLEY
PR0010763	ABILITY SEPTIC & SEWER	COLTON
PR0018646	ABSOLUTE PUMPING	VICTORVILLE
PR0005965	ACTION PUMPING INC	YUCCA VALLEY
PR0034966	ADVANCED PUMPING SERVICE	OUT OF COUNTY
PR0005966	ALPHA OMEGA SEPTIC SERVICE	HESPERIA
PR0025172	ANDY GUMP INC	FONTANA
PR0018282	ASAP PUMPING	YUCCA VALLEY
PR0040481	ATLANTIS PUMPING, LLC	OUT OF COUNTY
PR0000411	BAKER COMMODITIES INC	OUT OF COUNTY
PR0008924	BELTZ PORTABLE TOILETS	TWENTYNINE PALMS
PR0018051	BENNETT EXCAVATION	CRESTLINE
PR0003912	BIG BEAR DISPOSAL INC	BIG BEAR CITY
PR0016705	BIG MIKE'S ROOTER & PLUMBING CO	SAN BERNARDINO
PR0008925	BURN'S SEPTIC	VICTORVILLE
PR0031151	BURN'S SEPTIC & SEWER (29)	TWENTYNINE PALMS
PR0020559	BURRTEC ENVIRONMENTAL	OUT OF COUNTY
PR0009568	CALIFORNIA PUMPING SANITATION	SAN BERNARDINO
PR0018938	CERTIFIED SEPTIC SERVICES	OUT OF COUNTY
PR0003244	CLEAN RELIEF PORTABLES	RIALTO
PR0009402	CONNELLY PUMPING SERVICES	BIG BEAR CITY

Liquid Waste Hauler Information, continued

Record ID	Name	City
PR0000537	CO-WEST COMMODITIES	SAN BERNARDINO
PR0002480	CRESTLINE PUMPING	CEDARPINES PARK
PR0005972	D & F SANITATION	OUT OF COUNTY
PR0007918	DANIELL'S SEPTIC & PORTABLE TOILET	OUT OF COUNTY
PR0000493	DARLING INTERNATIONAL LA DIV.	OUT OF COUNTY
PR0005977	DARLING INTERNATIONAL OC DIV/MINUTEMAN PUMPING	OUT OF COUNTY
PR0018498	DIAMOND ENVIRONMENTAL SERVICES	OUT OF COUNTY
PR0005961	DIAMOND ENVIRONMENTAL SERVICES	HESPERIA
PR0021256	GARDNER SEPTIC SERVICE	OUT OF COUNTY
PR0008928	GODDARD'S SERVICE	SAN BERNARDINO
PR0007656	GOERING MOUNTAIN PORTABLE TOILET	CRESTLINE
PR0009526	HAZ MAT TRANS INC	SAN BERNARDINO
PR0028592	HEART PLUMBING	BARSTOW
PR0009461	HENDLEY CORP DBA SILVER VALLEY SEPTIC	YERMO
PR0041712	HI DESERT VACUUM TRUCK SERVICE	ADELANTO
PR0040386	HITT PLUMBING CO. INC	APPLE VALLEY
PR0001237	HONEST JOHN'S SEPTIC	APPLE VALLEY
PR0040259	HONEY DOO WAGON	OUT OF COUNTY
PR0005975	HOUSEL CESSPOOL SVC	FONTANA
PR0034078	INDEPENDENT PUMPING	OUT OF COUNTY
PR0000366	INLAND PUMPING	OUT OF COUNTY
PR0009376	JC'S GREASE BUYERS	OUT OF COUNTY
PR0006001	KEN WILLIS CONSTR INC	BIG BEAR CITY
PR0000633	K-VAC ENVIRONMENTAL INC	RANCHO CUCAMONGA
PR0018701	LIQUID ENVIRO SOLUTIONS OF CALIFORNIA	OUT OF COUNTY
PR0021198	MCS MAJOR CONTRACTING SERVICES INC	TWENTYNINE PALMS
PR0000363	MINEO BROS SEPTIC	HESPERIA
PR0007422	NATIONAL SANITATION INC	FONTANA
PR0005997	O A ROBERTS COMPANY	OUT OF COUNTY
PR0042044	OMEGA VAC TRANSPORTATION INC	ONTARIO
PR0001065	PAT'S POTS	YUCAIPA
PR0017725	PAYLESS 4 PLUMBING	SAN BERNARDINO

Liquid Waste Hauler Information, continued

Record ID	Name	City
PR0019931	QUALITY PUMPING SERVICES	ONTARIO
PR0036434	READY CLEAN UP	FONTANA
PR0005995	RIDGECREST SEPTIC SERVICE	OUT OF COUNTY
PR0005996	RIGHTWAY PORTABLE TOILETS	OUT OF COUNTY
PR0005998	ROMANS CONSTRUCTION	BIG BEAR LAKE
PR0033141	RONJON RENTALS	FORT IRWIN
PR0003396	ROTO ROOTER DESERT HOT SPRINGS	OUT OF COUNTY
PR0009219	ROTO-ROOTER SERVICE	VICTORVILLE
PR0009657	ROTO-ROOTER SEWER & DRAIN	OUT OF COUNTY
PR0036481	ROYAL FLUSH PUMPING	OUT OF COUNTY
PR0032107	S AND G PUMPING	MORONGO VALLEY
PR0039619	SENR SEPTIC CONSTRUCTION & PUMPING INC	ONTARIO
PR0009340	SEPTIC CONTROL INC	PHELAN
PR0039023	SERVICE CONNECTED LLC	OUT OF COUNTY
PR0036479	SKUNKY PUMPERS	OUT OF COUNTY
PR0011552	SMC GREASE SPECIALIST	COLTON
PR0026517	SO CAL SANITATION	OUT OF COUNTY
PR0041513	STARLITE RECLAMATION ENVIRONMENTAL	FONTANA
PR0040036	TP SERVICES	BIG BEAR CITY
PR0013362	UNITED SITE SERVICE OF CA INC	SAN BERNARDINO
PR0020357	US ROOTER SERVICE	TWENTYNINE PALMS
PR0028598	USA SEPTIC & DRAIN CLEANING	LUCERNE VALLEY
PR0041038	USA WASTE OF CALIFORNINA, INC DBA WM OF ROSAMOND HAULING	OUT OF COUNTY
PR0005999	VALLEY DRILLING	YUCAIPA
PR0041039	WASTE MANAGEMENT OF CALIFORNIA, INC. DBA WM OF RIDGECREST HAULING	OUT OF COUNTY
PR0038177	WATER WORKS PLUMBING	CRESTLINE
PR0021066	WEST COAST SANITATION, INC.	OUT OF COUNTY
PR0036480	WEST END PUMPING COMPANY	OUT OF COUNTY
PR0033445	WESTERN PUMPING	HESPERIA
PR0007033	WHITE HOUSE SANITATION	OUT OF COUNTY
PR0008185	WRIGHT'S SEPTIC CO	OUT OF COUNTY
PR0007575	ZANUTTO HULLING	BORON

All of the pumper report files, for the companies listed above, may be located using the [web address](#) on page two.

For additional information contact San Bernardino County:

Land Use Services:

Building and Safety

385 N. Arrowhead Ave., 1st Floor
San Bernardino, CA 92415

(909) 387-8311

Code Enforcement

385 N. Arrowhead Ave., 1st Floor
San Bernardino, CA 92415

(909) 884-4056

Public Health:

Environmental Health Services

385 N. Arrowhead Ave., 2nd Floor
San Bernardino, CA 92415

(800) 422-2283



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