MEMORANDUM

COUNTY OF Placer

HEALTH AND HUMAN SERVICES
ENVIRONMENTAL HEALTH

County of Placer

TO: Board of Supervisors
FROM: Jeffrey S. Brown, M.P.H., M.S.W., Director of Health and Human Services
SUBJECT: Amendments to the Local Agency Management Plan for On Site Sewage Disposal

DATE: December 6, 2016

ACTION REQUESTED

1. Introduce an ordinance to amend County Code Chapter 8, Article 8.24, County Wastewater Regulations. Waive oral reading.
2. Adopt the resolution to Amend the On-Site Sewage Manual and authorize submission of the Final Placer County Local Agency Management Program to the California Central Valley Regional Water Quality Control Board for approval.

BACKGROUND

On April 19, 2016, your Board adopted an ordinance to repeal and re-enact Placer County Code Chapter 8, Article 8.24 and adopted the resolution to adopt the amended On-Site Sewage Manual and authorized submission of the Placer County Local Agency Management Program ("LAMP") application to California Central Valley Regional Water Quality Control Board.

The Environmental Health Division has received final comments back from the RWQCB and has amended Placer County's LAMP to reflect those amendments to be in full compliance with the new statewide Onsite Wastewater Treatment System (OWTS) policy. The final LAMP must be submitted to the State no later than May 13, 2017 and the LAMP must be implemented no later than May 13, 2018. The final LAMP presented for your consideration will allow the County to continue providing local oversight of OWTS by implementing practices that are suited to the diverse geographical conditions found in Placer County, to meet or exceed siting and design requirements of the State OWTS Policy, and to ensure the best opportunity for comprehensive management of OWTS, public health, and water quality. It is the position of the Environmental Health Division that this LAMP meets or exceeds the intent of the Policy by providing an OWTS regulatory framework that protects public health, the environment and groundwater resources to the greatest extent practicable.

FISCAL IMPACT

No direct fiscal impact, the Environmental Health Division is currently implementing the program.

ATTACHMENTS

1. Ordinance amending Chapter 8, Article 8.24 County Wastewater Regulations
2. Resolution amending the On-Site Sewage Manual and authorizing submission of LAMP to State
Before the Board of Supervisors
County of Placer, State of California

Ordinance No.: ______________

In the matter of:
AN ORDINANCE AMENDING PLACER COUNTY
CODE CHAPTER 8, ARTICLE 8.24,
COUNTY WASTEWATER REGULATIONS

The following __ ORDINANCE __ was duly passed by the Board of Supervisors of the
County of Placer at a regular meeting held ________________________, by the
following vote on roll call:

Ayes:
Noes:
Absent:

Signed and approved by me after its passage.

Chair, Board of Supervisors

Attest:

Clerk of said Board

THE BOARD OF SUPERVISORS OF THE COUNTY OF PLACER, STATE OF CALIFORNIA,
DOES HEREBY ORDAIN AS FOLLOWS:

SECTION 1: Placer County Code, Chapter 8, Article 8.24, Section 8.24.030 is amended as
follows:

8.24.030 Definitions.

For purposes of this Article, the following words and terms have the following meanings.

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"Cesspool" means an excavation in the ground receiving sewage, designed to retain the
organic matter and solids, while allowing the liquids to seep into the soil.

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“Effective soil depth” means the depth of effective soil from ground surface that effectively provides filtration and treatment of effluent to the bottom of the dispersal trench or drip tubing to a restrictive layer of groundwater.

“Effluent” means sewage, water, or other liquid, partially or completely treated or in its natural state, flowing out of a septic tank, supplemental treatment unit, disposal area or other system component.

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“Failing on-site system” means any system which discharges untreated or inadequately treated sewage or septic tank effluent directly or indirectly onto the ground surface, into protected waters, or into a dwelling. Also, any system not operated in compliance with permit conditions including, but not limited to, operation, maintenance and monitoring requirements, use of unapproved components, unapproved modifications to the originally permitted design, or an alternative system with monitoring sample results which do not meet parameters as required by this article and the On-Site Sewage Manual. A failure also includes either wastewater exfiltration to groundwater from, or groundwater infiltration into, a septic tank.

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“Land use project” means any entitlement or application process, initiated through the county pursuant to Chapters 16 and 17 of the Placer County Code including, but not limited to, a general plan amendment, rezoning, use permit, variance, zoning clearance, design review, tentative map, parcel map, certificate of compliance, and minor boundary adjustment.

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“Sewage” means wastewater that is designated as either “blackwater” and/or “graywater.” and/or “blackwaste”.

1. “Blackwater” means wastewater contaminated with human or kitchen wastes, generally originating from toilets and kitchen sinks. It includes, but is not limited to, wastewater discharges from kitchen sinks, garbage grinders, water closets, toilets, urinals or similar fixtures alone or in combination with other wastewater.

2. “Graywater” means wastewater, exclusive of blackwater or industrial waste, deposited into plumbing drain systems or exiting directly from wastewater generating appliances. It includes, but is not limited to, wastewater discharges from washing machines, bathtubs, showers, bathroom washbasins, and laundry tubs.

3. “Blackwaste” means human body wastes including feces, urine, other extraneous substances of body origin and toilet paper.

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“Soil Stickiness”—See “Soil Consistence.”
“Standard system” means an on-site sewage system, which meets the requirements of the On-Site Manual, and is comprised of a two-compartment septic tank for primary treatment and gravel or gravelless chamber disposal trenches. Effluent will flow to the trenches by gravity, or may be pumped to the first distribution box of the trenches.

“Supplemental treatment” means any approved on-site sewage system or component of an on-site sewage system, except a septic tank, dosing tank or pump tank, that performs additional wastewater treatment so that the effluent meets the following criteria prior to discharge of effluent into the disposal field:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>CBOD5</td>
<td>Shall not exceed 25 mg/L- 30-day average*</td>
</tr>
<tr>
<td>TSS</td>
<td>Shall not exceed 30 mg/L- 30-day average*</td>
</tr>
<tr>
<td>TN</td>
<td>37% Reduction—median**</td>
</tr>
<tr>
<td>Fecal Coliform</td>
<td>4 log-reduction—median**</td>
</tr>
</tbody>
</table>

Sources:
* EPA secondary treatment guidelines for Class I effluent
** Sand Filter Evaluation In A Northern Climate, Matthew m. Converse and James C. Converse

“Vertical separation” means the depth of effective soil that exists beneath the bottom of a subsurface soil absorption system and some to a restrictive or limiting layer or feature such as a perched or seasonal water table, bedrock, hardpan, fractured or fissured rock, unacceptable fine textured soils, or excessively permeable material.

SECTION 2: Placer County Code, Chapter 8, Article 8.24, Section 8.24.040 is amended as follows:

8.24.040 Applicability.

The requirements of this article shall apply to all on-site sewage treatment, conveyance, and disposal systems in Placer County with a design flow of less than ten thousand (10,000) gallons per day. For on-site systems approved under permit from the division prior to May 20, 2016 the effective date of the ordinance codified in this article, the conditions for system siting, design, construction, operation, maintenance, and monitoring approved at that time shall apply unless an application is submitted which causes the review of the sewage disposal system. Applications that would cause a review include, but are not limited to, a land use project, construction permit, or modification permit.
SECTION 3: Placer County Code, Chapter 8, Article 8.24, Section 8.24.070 is amended as follows:

8.24.070 Environmental health land use project.

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C. No subdivision or parcel map shall be recorded or certificate of compliance issued unless all proposed lots or parcels which rely on an individual sewage disposal system have an approved site evaluation report that verifies all of the following minimum site characteristics:

1. Vertical separation of not less than twenty-four 24 eighteen-18 inches;
2. Slope no greater than thirty (30) percent;
3. Percolation rate between one (1.0) and one hundred twenty (120) minutes per inch.

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SECTION 4: Placer County Code, Chapter 8, Article 8.24, Section 8.24.080 is amended as follows:

8.24.080 Sewage system requirements.

A. General Requirements.

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5. No person shall utilize any form of effluent disposal that discharges on or above the post installation ground surface such as sprinklers, exposed drip lines, free-surface wetlands or a pond.

6-7. No person shall operate a failing on-site system.

6-7. No person shall connect any structure to an existing on-site system where the total projected sewage flow would be greater than the design flow specified in the original on-site system construction permit or where, in the opinion of the division, the connection of a new and/or replacement structure to an existing system would not meet the standards contained in this article or the On-Site Sewage Manual, unless an authorization notice is obtained as set out in the On-Site Sewage Manual.

7. No person shall discharge anything other than what is specifically defined as sewage, in this article, into any on-site sewage system.

8. No person shall operate a system constructed after May 20, 2016 the effective date of this ordinance codified in this article without a certificate of satisfactory completion.

9. No person shall maintain or operate a system for which the division has issued an order to abandon the system.
10.11. An area approved by the division for which the soil and site conditions are acceptable for installation of an on-site sewage system shall be maintained for the purpose of system replacement. Except when otherwise authorized by the division, it shall consist of one hundred (100) percent of the needed area.

11.12. The complete system shall be owned solely by the owner of the property which it serves.

12.13. Graywater disposal systems shall meet the same requirements as on-site sewage systems. Graywater shall not be diverted from an on-site sewage system which utilizes supplemental treatment.

14. No person shall operate a cesspool.

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SECTION 5: This ordinance shall take effect and be in full force thirty (30) days after the date of its passage. The Clerk is directed to publish this ordinance, or a summary thereof, within fifteen (15) days in accordance with government code section 25124.
Before the Board of Supervisors
County of Placer, State of California

In the matter of:
Adoption of Amended On-Site Sewage Manual
And Authorization to Submit to the California
Central Valley Regional Water Quality Control Board

The following **RESOLUTION** was duly passed by the Board of Supervisors of the
County of Placer at a regular meeting held ________________, by the
following vote on roll call:

Ayes:
Noes:
Absent:

Signed and approved by me after its passage.

Chair, Board of Supervisors

Attest:

Clerk of said Board

THE BOARD OF SUPERVISORS OF THE COUNTY OF PLACER, STATE OF CALIFORNIA,
DOES HEREBY RESOLVE AS FOLLOWS:

WHEREAS, Placer County Code Chapter 8, Article 8.24, Section 8.24.050 authorizes the Board
to adopt amendments to the Placer County On-Site Sewage Manual by resolution.

WHEREAS, on April 19, 2016, the Board adopted Resolution No. 2016-066 to adopt
amendments to the On-Site Sewage Manual ("2016 On-Site Sewage Manual").

WHEREAS, the County submitted the 2016 On-Site Sewage Manual to the California Central
Valley Regional Water Quality Control Board ("CCVRWQCB") for review.

WHEREAS the County has received comments from the CCVRWQCB and proposes to
incorporate the same into the final version of the On-Site Sewage Manual.

WHEREAS, the Board desires to amend the current On-Site Sewage Manual by adoption of the
On-Site Sewage Manual, dated January 2017, attached hereto as Exhibit "A".

WHEREAS, upon the effective date of this resolution, the On-Site Sewage Manual, dated
January 2017, will replace the existing On-Site Sewage Manual in its entirety.
NOW THEREFORE BE IT RESOLVED BY THE BOARD OF SUPERVISORS OF THE COUNTY OF PLACER that the On-Site Sewage Manual, dated January 2017, attached hereto as Exhibit "A" is adopted and upon the effective date of this resolution will replace the 2016 On-Site Sewage Manual in its entirety.

BE IT FURTHER RESOLVED BY THE BOARD OF SUPERVISORS OF THE COUNTY OF PLACER that the effective date of this resolution is January 1, 2017.

BE IT FURTHER RESOLVED BY THE BOARD OF SUPERVISORS OF THE COUNTY OF PLACER that County staff is authorized to submit the On-Site Sewage Manual, dated January 2017, to the California Central Valley Regional Water Quality Control Board.