



Public Health Department

Environmental Health

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WASTEWATER ADVISORY COMMITTEE

AGENDA

FEBRUARY 16, 2016 ❖ 2:00 P.M.-4:00 P.M.

TAHOE ROOM ❖ 202 MIRA LOMA DRIVE, OROVILLE



I. Preliminary Items

- A. Call to Order
- B. Roll Call and Determination of Quorum
- C. Introduction of Guests
- D. Review of Minutes (See Attachment "A")
- E. Agenda Review
- F. Public Comments and Input

II. Informational Non-Action Items

- A. LAMP Update and Future Work Needed

III. Action Items

- A. Proposed Changes to Ordinance and Manual (See Attachment "B")
Review changes and make recommendations
- B. Provision of Low Cost Repair Options for Low Income Families
Review changes and make recommendations

IV. Agenda Preparation for Next Meeting

V. Adjourn



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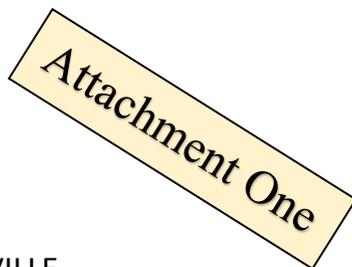
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WASTEWATER ADVISORY COMMITTEE

MINUTES

DECEMBER 16, 2015

TAHOE ROOM ** 202 MIRA LOMA DRIVE, OROVILLE



I. Preliminary Items

A. Call to Order

[Nick called the meeting to order at 205 p.m.](#)

B. Roll Call and Determination of Quorum (**See Attachment One**)

Nick Weigel, Jan Hill, Buddy Nottingham, Rick McCauley, Wes Gilbert, Lauralyn Lambert, and Will Arnold, were present.

DC Jones, Doug Flesher (alternate), and Priscilla Rawlings (alternate) were absent.

[A quorum was established.](#)

C. Introduction of Guests

David Anderson, Eric Rapport, Don McDonald, and Jon Remalia attended as guests. Brad Banner, Christine Greiten, Paul Thao, and Charlotte Walters attended the meeting on behalf of the Public Health Department.

D. Review of Minutes

[Wes made a motion to accept the October 6, 2015 minutes as written. Will seconded the motion and the motion passed unanimously.](#)

E. Agenda Review

[No changes to the agenda were requested.](#)

F. Public Comments and Input

[There was no public comment.](#)

II. Informational Non-Action Items

A. Septage Disposal

Brad updated the group on activities to identify a replacement septage disposal site. Jon Remalia has proposed a project and is actively working on moving it through the review process.



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B. Local Area Management Program (LAMP) Update

Brad and Eric reported on the LAMP development and review process. The report will be submitted to the Regional Board for review and a public hearing will most likely be held by the Wastewater Advisory Committee to get input. The public hearing would be attended by the Regional Board's assistant CAO. All LAMPs are due to the Regional Board in May 2016.

III. Action Items

A. Proposed Changes to the Ordinance and Manual

1. Brad presented each of the proposed changes in the ***Proposed Changes to Ordinance*** document included in the agenda, and the proposed changes in the ***Addendum: Proposed Changes Not Previously Distributed*** document.
2. The committee agreed by consensus with all of the changes proposed with the following exceptions:
 - a. References to the 2013 California Plumbing Code should instead refer to the "current adopted version" of the code instead of specifying the 2013 version. (Ordinance 19-7 D. and Manual Part 3, Chapter 18) **(See Attachment Two)**
 - b. Subsurface drip irrigation should be removed from the types of dispersal systems that can have OM&M services provided by a Certified Designer. (Ordinance 19-13 D.) **(See Attachment Three)**
 - c. OM&M Specialist certification requirements should be changed from referring only to "COWA or equivalent" to include also NAWT. (Ordinance 19-13 D.) **(See Attachment Three)**
 - d. The LEA should have an option of referring exceptionally difficult sites or uses with problematic wastewater strength characteristics to the Regional Board for oversight through Waste Discharge Requirements. (Manual Part 1, Chapter 2, B) **(See Attachment Four)**
 - e. The setback between a disposal field and reservoirs or lakes (not part of a Public Water System) should be reduced from 200 ft to 100 ft if the disposal field is down gradient from the water body. (Manual Part 3, Chapter 2) **(See Attachment Five)**
 - f. Guidance for "Installation of Drainfield Under Driveway" will be discussed in greater length at a future meeting. (Note: In the meantime, the requirements as proposed will be used by the LEA, and work will begin on guidance for allowing partial repairs in hardship situations provided there is disclosure on the property



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deed and an agreement that the system will be monitored regularly by a certified wastewater professional.

- g. Using only the unpaved portion of the property for determining allowable density in the Chico Urban Area will have a significant impact on development. It was pointed out that the calculation methodology reference, while only using the unpaved portion of the property for calculation as a safety factor, was also LESS restrict by a factor of 4. Eric said that he would take this information back to the Regional Board for further consideration. (Ordinance 19-11 A) **(See Attachment Six)**

IV. Agenda Preparation for Next Meeting

The next meeting was not scheduled.

V. Adjourn

The meeting adjourned at 5:00 p.m.



On-Site Wastewater Manual – Part 3 – System Requirements
 Adopted March 16, 2010
 Updated August 24, 2010, December 11, 2012, and March 24, 2015
 Manual Part Three ** Page 98

USDA Textural Classification	Soil Group	Application Rate (gdp/ft ²)	Minimum Vertical Separation	
			Stand-ard grav-ity sys-tem	Supplemental Treatment
<small>Source: AB 225 3/2006</small>		<small>Source: AB 225 3/2006</small>	<small>Source: AB 225 3/2006</small>	
Course sand			Prohibited	
Course to medium sand ¹	A	1-2	Special requirements as outlined in this Chapter apply	
Fine sand, loamy sand ²	B	1.1 to 0.8	3 ft	2 ft for creation of new parcels 1.5 ft for existing parcels <small>(For existing parcels with a minimum of 1 ft of native effective soil, fill may be used at a 1:1.5 ratio to attain the 1.5 ft vertical separation, when disinfection is utilized in addition to supplements treatment.)</small>
Sandy loam, loam, sandy clay loam	C	0.8 to 0.6		
Silt loam	D	0.6 to 0.4		
Clay loam, silty clay loam, sandy clay ^{1,2}	E	0.4 to 0.1 ³		

- ¹ Percolation tests required _____
- ² Clays must be non-expansive _____
- ³ Subject to percolation test in addition to soil textural determination if 35% or more (by volume) coarse fragments (defined as > 2 mm size)



On-Site Wastewater Manual – Part 3 – System Requirements

Adopted March 16, 2010

Updated August 24, 2010, December 11, 2012, and March 24, 2015

Manual Part Three ** Page 97

Table 1. Soil Depth and Application Rate Requirements

Soil Group	USDA Textural Classification	Structure	Application Rate (gpd/ft ²)
A ¹	Course to medium sand	N/A	1.2
B ²	Fine sand	Weak to strong	1.2
		Massive	0.7
	Loamy sand	Moderate to strong	0.9
		Massive or weak	0.6
C	Sandy loam	Moderate to strong	0.9
		Weak, weak platy	0.6
		Massive	0.5
	Loam	Moderate to strong	0.8
		Weak, weak platy	0.6
		Massive	0.5
D	Silt loam	Moderate to strong	0.8
		Weak, weak platy	0.3
		Massive	0.2
E ³	Sandy clay loam	Moderate to strong	0.6
		Weak, weak platy	0.3
		Massive	Prohibited
	Clay loam	Moderate to strong	0.6
		Weak, weak platy	0.3
		Massive	Prohibited
	Silty clay loam	Moderate to strong	0.6
		Weak, weak platy	0.3
		Massive	Prohibited
	Sandy clay	Moderate to strong	0.3
		Massive to weak	Prohibited

¹ Percolation test required for course sand and use prohibited if percolation is faster than 1 minute per inch

² Subject to percolation test in addition to soil textural determination if 35% or more (by volume) coarse fragments (defined as > 2 mm size)

³ Clay must be non-expansive

G. Installation of Drainfield Under Driveway

The dispersal field may be installed beneath a driveway when no other placement alternative exists, including the removal and alteration of landscaping and/or the use of a pump, and the following conditions are met:

1. The placement underneath the driveway is assessed so as to consider the following potential issues of concern:
 - a. Soil compaction;
 - b. Lack of aeration conditions within the soil;
 - c. Potential for crushing the dispersal pipe or chamber;
 - d. Adverse impact on reduction on evapotranspiration; and
 - e. Required future alternatives if the repair system fails at some time in the future.
2. Mitigations are proposed that could include, but are not limited to:
 - a. Use of supplemental treatment;
 - b. Use of pressurized distribution;
 - c. For placement in deep well-drained soil, gravity dispersal under the driveway provided the size of the drainfield is increased by 25% (or gravelless chambers are installed without the 25% sizing reduction);
 - d. Pervious concrete;
3. A written construction plan with sufficient detail to verify that construction activity associated with replacement of the driveway surface will not adversely impact the soil where the dispersal field will be placed is included with the design'
4. A Certified Designer is utilized if required in Section D of this Chapter.