

**Black River Environmental Health Services**

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**MEMORANDUM**

January 12, 2009

**To:** All Wastewater Program Staff and Septic System Designers  
and Installers

**From:** Mark Allen, Wastewater Program Senior

**RE:** A. Inspection Scheduling  
B. Site Application Template  
C. Title 13 Corrections of Errors

**A. Inspection Scheduling-** Beginning the New Year following the Wastewater Programs move to the Black River site work hours for all program staff were adjusted to a 4/40 work week with Fridays scheduled as a common day off. This is a pilot program to study cost savings within the county by closing a facility one day a week.

Our new address is 900 Oakesdale SW, Suite 100, Renton 98058-5212. Our new office hours are Monday – Wednesday 7:00 AM – 5:00 PM, Thursday 9:00 AM – 5:00 PM. The office is now closed on Friday.

As a result when scheduling pressure tests or final inspections please do not attempt to schedule them for Friday, since no inspectors will be available. The administration staff has been informed not to schedule inspections for Friday. Also be aware that we will be furloughed 8 working days for 2009. The dates for the furlough will be published once they are all decided upon. This will be a mandatory work day off without pay for all staff to adjust for budget shortcomings throughout King County. No inspections should be scheduled for these days as well. Be reminded that you are still required by code to provide notification to health and leave any system uncovered for at least 3 working days following notification.

**B. The Site Application Template-** The template was one of the handouts provided to you during the 2008 Industry meeting and has been altered from that version in the sequence of documents you are to provide. It has been put on our web page so that you can reference it (see wastewater web page). Please conform your site applications to this template from the date of this memorandum. The reviewing Sanitarian of the Day may reject applications that are in substantial nonconformance to this template.

As was indicated during the Industry Meeting all handouts provided at the meeting would become final starting the New Year if no comments were received from industry. Since no other comments were forthcoming you can use the Designer Checklist, Record Drawing Checklist, and page 3 of the Performance Demonstration Report as is. If you do not have copies please refer to our Wastewater web page under industry/forms.

**C. Title 13 Correction of Errors-** It has come to my attention that the recently adopted amendments to the King County On-site Sewage Regulations (Title 13 of the Code of the King County Board of Health) contain technical errors in at least four places that need correction. To amend Title 13 is a lengthy and multi-faceted process requiring Board of Health adoption of correcting amendments. The implementation of revised Title 13 became effective January 1, 2009. Due to errors which will impact how Title 13 is applied, immediate clarification is warranted. Therefore corrections will be addressed in memorandum form until it is practical to propose an amending Rule and Regulation to the Board of Health for adoption. This memorandum is being sent to Wastewater Program staff and Industry professionals and will be posted on our Wastewater Web page.

The following items illustrate how Public Health's Wastewater Program will construe certain provisions of Title 13 until such time as correcting amendments to the code are presented to and adopted by the Board of Health.

All page references are to BOH Code Title 13 online at <http://www.kingcounty.gov/healthservices/health/BOH/~media/healthServices/publichealth/documents/boh/BOHCodeTitle13.ashx>.

#### **Correction Number 1**

Page 13-45: section 13.28.020 Design support materials.

The sentence in brackets ( " [ ] " ) in the first paragraph erroneously refers to design control "panels" rather than "points." Accordingly, the reference to design control "panels" will be construed to mean design control points.

#### **Correction Number 2**

Page 13-48, section 13.28.030 General design requirements, subsection O.

The reference to "zero rise floodway" in the first sentence of this subsection will be construed to mean, "FEMA floodway," as the latter term more accurately

denotes the standard by which the Wastewater Program determines whether a drainfield may be located on the subject property. (The concept of "zero rise floodway" includes the flood fringe area of a flood plain.)

**Correction Number 3**

Page 13-49, Table 13.28-1 – Minimum Treatment Level and Effluent Distribution Method Required by Various Soil Types, Vertical Separation and Original Soil Depth Conditions

As illustrated below, this table will be construed in a manner in conformance with WAC 242-272A, Table VI, Treatment Component Performance Levels and Method of Distribution. In the first column of Table 13.28-1, referring to vertical separation in inches, the "is greater than" symbols (" $>$ ") will be construed as "is greater than or equal to" symbols (" $\geq$ "). In addition, the reference to "18" in the first box in the first column is incomplete, and will be construed as "12 < 18" rather than simply "18," as a minimum soil depth of 18 inches is required with 12 inches of vertical separation. Finally, the "is less than or equal to" symbols (" $\leq$ ") will be construed as "is less than" symbols (" $<$ ").

**Table 13.28-1 – Draft Corrected Version  
Minimum Treatment Level and Effluent Distribution Method Required by  
Various Soil Types, Vertical Separation and Original Soil Depth Conditions**

Vertical Separation in inches	Soil Type			
	1	2	3-4	5-6
12 < 18 <sup>1,2</sup> (not "18 <sup>1,2"</sup> )	A- pressure with timed dosing	B- pressure with timed dosing	B- pressure with timed dosing	B- pressure with timed dosing
$\geq 18 < 24$ (not " $> 18 \leq 24$ ")	B- pressure with timed dosing	B- pressure with timed dosing	B- pressure with timed dosing	B- pressure with timed dosing
$\geq 24 < 36$ (not " $> 24 \leq 36$ ")	B- pressure with timed dosing	C- pressure with timed dosing	E- pressure with timed dosing	E- pressure with timed dosing
$\geq 36 < 60$ (not " $> 36 \leq 60$ ")	B- pressure with timed dosing	E- pressure with timed dosing	E- pressure with timed dosing	E- pressure with timed dosing
$\geq 60$ (not " $> 60$ ")	C- pressure with timed dosing	E- gravity	E- gravity	E- pressure with timed dosing

**Table 13.28-1 Explanatory Notes**

1. Except as provided in footnote 2, the minimum required original, undisturbed, permeable soil depth is eighteen inches...
2. For existing lots of record where the original undisturbed soil depth above a restrictive layer is between 12 and 18 inches the following is required:
  - a. Minimum lot size is 5 acres. Any lot area placed into a separate sensitive area protection tract in accordance with King County Code Section 21A.24.180 may also be included in the computation of the minimum five (5) acre lot size required by this section.
  - b. The owner shall file a covenant with the King County Records and Elections division agreeing not to subdivide the parcel utilizing the OSS to less than 5 acres until public sewer service is provided.
  - c. A water table study shall be conducted during a time of high seasonal water table to establish available soil depth.
  - d. A system meeting treatment level A, or two treatment level B systems in combination meeting treatment level A without the use of disinfection, such as a mound preceded by an intermittent sandfilter, shall be used.

**Correction Number 4**

Page 13-95, Table 13.64-1 – Minimum Treatment Level required for Repair or Replacement of Soil Absorption Components on Sites not Meeting Vertical and/or Horizontal Separation Requirements of this Title

As illustrated below, this table will be construed in a manner in conformance with WAC 242-272A, Table IX Treatment Component Performance Levels for Repair of OSS Not Meeting Vertical and Horizontal Separations. In the first column of Table 13.64-1, referring to vertical separation in inches, the "is greater than" symbols (" > ") will be construed as "is greater than or equal to" symbols (" ≥ ").

**Table 13.64-1 – Draft Corrected Version**  
**Minimum Treatment Level Required for Repair or Replacement of Soil Absorption Components on Sites not Meeting Vertical and/or Horizontal Separation Requirements of this Title**

Vertical Separation (in inches)	Horizontal Separation <sup>1</sup>											
	< 25 feet <sup>2,3</sup>			25 < 50 feet <sup>2,3</sup>			50 < 100 feet <sup>2,3</sup>			> 100 feet		
	Soil Type			Soil Type			Soil Type			Soil Type		
	1	2	3-6	1	2	3-6	1	2	3-6	1	2	3-6
< 12	A	A	A	A	A	A	A	A	B	B	B	B
≥12 < 18 (Not ">12 < 18")	A	A	A	A	B	B	A	B	B	Conforming Systems		
≥18 < 24 (Not ">18 < 24")	A	A	A	A	B	B	A	B	C			
≥24 < 36 (Not ">24 < 36")	A	B	B	B	C	C	B	C	C			
≥36	A	B	B	B	C	C	B	C	E			

MA:dc