



King County

1200 King County
Courthouse
516 Third Avenue
Seattle, WA 98104

Meeting Agenda Board of Health

Metropolitan King County Councilmembers:
Teresa Mosqueda, Chair; Jorge Barón, Reagan Dunn; Alternate: Sarah Perry

City of Seattle Members:
*Joy Hollingsworth, Robert Kettle, Sara Nelson
Alternate: Bruce Harrell*

Sound Cities Association Members:
*Heather Koellen, RN, BSN, CCRN, Vice Chair; Penny Sweet
Alternates: Amy Lam, Cheryl Rakes*

Public Health, Facilities, and Providers:
*Butch de Castro, PhD, MSN/MPH, RN, FAAN; Lisa Chew, MD, MPH; Katherine Gudgel, MS;
Alternate: Patricia Egwuatu, DO*

Consumers of Public Health:
*Quiana Daniels, BS, RN, LPN, Vice Chair; Robin Narruhn, PhD, MN, RN;
Alternate: Mustafa Mohammed, MBCHB, MHP, AAC*

Community Stakeholders:
*Christopher Archiopoli, Victor Loo
Alternate: Francoise Milinganyo*

American Indian Health Commission:
Esther Lucero (Diné), MPP; Alternate: Abigail Echo-Hawk (Pawnee), MA

Dr. Faisal Khan, Director, Seattle-King County Department of Public Health
Staff: Joy Carpine-Cazzanti, Board Administrator - KCBOHAdmin@kingcounty.gov

1:00 PM

Thursday, November 21, 2024

Hybrid Meeting

REVISED AGENDA

Hybrid Meetings: Attend Board of Health meetings in person in Council Chambers (Room 1001), 516 3rd Avenue in Seattle, or through remote access. Details on how to attend and/or provide public comment remotely are listed below.

	<p>Sign language and interpreter services can be arranged given sufficient notice (206-848-0355). TTY Number - TTY 711.</p> <p>Council Chambers is equipped with a hearing loop, which provides a wireless signal that is picked up by a hearing aid when it is set to 'T' (Telecoil) setting.</p>	
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HOW TO PROVIDE PUBLIC COMMENT:

1. In person: You may attend the meeting in person in Council Chambers.
2. Remote attendance on the Zoom Webinar: You may provide oral public comment at the meeting by connecting to the meeting via phone or computer using the ZOOM application at <https://zoom.us/>, and entering the Webinar ID below.

Join by Telephone

Dial: US : +1 253 215 8782

Meeting ID: 836 2614 2088

If you do not wish to provide public comment, please help us manage the callers by using one of the options below to watch or listen to the meeting.

HOW TO WATCH/LISTEN TO THE MEETING: There are two ways to watch or listen in to the meeting:

- 1) Stream online via this link <https://king-county-tv.cablecast.tv/> or input the link web address into your web browser.
- 2) Watch King County TV on Comcast Channel 22 and 322(HD) and Astound Broadband Channels 22 and 711(HD).

1. Call to Order

To show a PDF of the written materials for an agenda item, click on the agenda item below.



2. Roll Call

3. Announcement of Any Alternates Serving in Place of Regular Members



4. Approval of Minutes of October 17, 2024 **pg 7**

5. Public Comments

6. Chair's Report



	<p>Sign language and interpreter services can be arranged given sufficient notice (206-848-0355). TTY Number - TTY 711.</p> <p>Council Chambers is equipped with a hearing loop, which provides a wireless signal that is picked up by a hearing aid when it is set to 'T' (Telecoil) setting.</p>	
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Discussion and Possible Action

	<p>Sign language and interpreter services can be arranged given sufficient notice (206-848-0355). TTY Number - TTY 711.</p> <p>Council Chambers is equipped with a hearing loop, which provides a wireless signal that is picked up by a hearing aid when it is set to 'T' (Telecoil) setting.</p>	
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7. R&R No. BOH24-05

A RULE AND REGULATION relating to on-site sewage treatment and disposal systems; amending R&R 3, Part 13, Section 1, as amended, and BOH 13.04.050, R&R 3, Part 13, Section 3, as amended, and BOH 13.04.070, R&R 99, Section 2 (part), as amended, and BOH 13.08.010, R&R 3, Part 1, Section 5, as amended, and BOH 13.08.020, R&R 3, Part 1, Section 5 (part), as amended, and BOH 13.08.140, R&R 99-01, Section 2 (part), as amended, and BOH 13.08.152, R&R 99-01, Section 2 (part), and BOH 13.08.226, R&R 99-01, Section 2 (part), as amended, and BOH 13.08.284, R&R 3, Part 1, Section 5 (part), as amended, and BOH 13.08.300, R&R 99-01, Section 2, and BOH 13.08.342, R&R 3, Part 1, Section 5 (part), as amended, and BOH 13.08.350, R&R 3, Part 1, Section 5 (part), as amended, and R&R 13.08.380, R&R 3, Part 1, Section 5 (part), as amended, and BOH 13.08.490, R&R 3, Part 10, Section 2, as amended, and BOH 13.12.030, R&R 3, Part 10, Section 3(B), as amended, and BOH 13.12.050, R&R 3, Part 12, Section 1, as amended, and BOH 13.16.010, R&R 3, Part 2, Section 1, as amended, and BOH 13.20.010, R&R 3, Part 2, Section 2(B), as amended, and BOH 13.20.030, R&R 99-01, Section 2, as amended, and BOH 13.20.035, R&R 3, Part 2, Section 3, as amended, and BOH 13.20.040, R&R 3, Part 3, Section 1, and BOH 13.24.010, R&R 3, Part 3, Section 2, as amended, and BOH 13.24.020, R&R 3, Part 3, Section 3, as amended, and BOH 13.24.030, R&R 3, Part 3, Sections 1 and 4, as amended, and BOH 13.28.010, R&R 3, Part 4, Section 2, as amended, and BOH 13.28.020, R&R 3, Part 4, Section 3, as amended, and BOH 13.28.030, R&R 3, Part 4, Section 7, as amended, and BOH 13.28.070, R&R 3, Part 5, Section 2(A), as amended, and BOH 13.36.010, R&R 3, Part 5, Section 3(C), and BOH 13.40.030, R&R 3, Part 5, Section 5, and BOH 13.48.010, R&R 3, Part 6, Section 1, as amended, and BOH 13.52.010, R&R 3, Part 7, Section 5, and BOH 13.56.050, R&R 99-01, Section 2 (Part), as amended, and BOH 13.56.054, R&R 99-01, Section 2 (part), as amended, and BOH 13.60.005, R&R 3, Part 8, Section 1, as amended, and BOH 13.60.010, R&R 08-03, Section 145, and BOH 13.60.030, R&R 3, Part 9, Section 1, as amended, and BOH 13.64.010, R&R 3, Part 9, Section 2, as amended, and BOH 13.64.020, R&R 3, Part 11, Section 1, as amended, and BOH 13.68.010, R&R 3, Part 11, Section 2, as amended, and BOH 13.68.020, R&R 3, Part 11, Section 3, as amended, and BOH 13.68.030, and R&R 3, Part 11, Section 5, as amended, and BOH 13.68.050, adding new sections to BOH chapter 13.04, adding new sections to BOH chapter 13.08, recodifying BOH 13.08.226, repealing R&R 99-01, Section 2 (part), and BOH 13.08.024, R&R 08-03, Section 12, and BOH 13.08.055, R&R 3, Part 1, Section 5 (part), as amended, and BOH 13.08.060, R&R 3, Part 1, Section 5 (part), as amended, and BOH 13.08.070, R&R 99-01, Section 2 (part), and BOH 13.08.072, R&R 99-01, Section 2 (part), as amended, and BOH 13.08.084, R&R 3, Part 1, Section 5 (part), as amended, and BOH 13.08.090, R&R 99-01, Section 2 (part), as amended, and BOH 13.08.114, R&R 08-03, Section 21, and BOH 13.08.115, R&R 08-03, Section 23, and BOH 13.08.117, R&R 08-03, Section 27, and BOH 13.08.131, R&R 99-01, Section 2 (part), as amended, and BOH 13.08.132, R&R 99-01, Section 2 (part), and BOH 13.08.134, R&R 08-03, Section 30, and BOH 13.08.141, R&R 08-03, Section 32, and BOH 13.08.151, R&R 08-03, Section 34, and BOH 13.08.154, R&R 09-03, Section 37, and BOH 13.08.175, R&R 3, Part 1, Section 5 (part), as amended, and BOH 13.08.180, R&R 3, Part 1, Section 5 (part), as amended, and BOH 13.08.190, R&R 99-01, Section 2 (part), as amended, and BOH 13.08.202, R&R 08-03, Section 40, and BOH 13.08.205, R&R 99-01, Section 2 (part), and BOH 13.08.212, R&R 08-03, Section 41, and BOH 13.08.213, R&R 99-01, Section 2 (part), and BOH 13.08.226, R&R 08-03, Section 47, and BOH 13.08.257, R&R 08-03, Section 49, and BOH 13.08.261, R&R 08-03, Section 50, and BOH 13.08.263, R&R 3, Part 1, Section 5 (part), as amended, and BOH 13.08.280, R&R 08-03, Section 55, and BOH 13.08.287, R&R 3, Part 1, Section 5 (part), as amended, and BOH 13.08.290,

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R&R 08-03, Section 56, and BOH 13.08.305, R&R 3, Part 1, Section 5 (part), as amended, and BOH 13.08.320, R&R 08-03, Section 57, and BOH 13.08.3215, R&R 99-01, Section 2 (part), as amended, and BOH 13.08.322, R&R 99-01, Section 2 (part), as amended, and BOH 13.08.324, R&R 08-03, Section 60, and BOH 13.08.327, 2R&R 3, Part 1, Section 5 (part), as amended, and BOH 13.08.330, R&R 99-01, Section 2 (part), and BOH 13.08.341, R&R 08-03, Section 61, and BOH 13.08.346, R&R 3, Part 1, Section 5, as amended, and BOH 13.08.350, R&R 99-01, Section 2 (part), as amended, and BOH 13.08.372, R&R 99-01, Section 2 (part), and BOH 13.08.402, R&R 99-01, Section 2 (part), and BOH 13.08.406, R&R 3, Part 1, Section 5 (part), as amended, and BOH 13.08.410, R&R 08-03, Section 69, and BOH 13.08.424, R&R 99-01, Section 2 (part), and BOH 13.08.426, R&R 08-03, Section 72, and BOH 13.08.465, R&R 3, Part 1, Section 5, as amended, and BOH 13.08.470, R&R 99-01, Section 2 (part), as amended, and BOH 13.08.472, R&R 08-03, Section 74, and BOH 13.08.477, R&R 08-03, Section 76, and BOH 13.08.482, R&R 99-01, Section 2 (part), as amended, and BOH 13.08.484, R&R 09-03, Section 79, and BOH 13.08.493, R&R 08-03, Section 80, and BOH 13.08.4934, R&R 08-03, Section 81, and BOH 13.08.4937, R&R 99-01, Section 2 (part), as amended, and BOH 13.08.496, R&R 3, Part 1, Section 5 (part), as amended, and BOH 13.08.500, R&R 08-03, Section 87, and BOH 13.08.505, R&R 99-01, Section 2 (part), and BOH 13.08.512, R&R 99-01, Section 2 (part), and BOH 13.08.516, R&R 08-03, Section 88, and BOH 13.08.520, prescribing penalties, and establishing an effective date; enacted pursuant to RCW 43.20.050 and 70.05.060, including the latest amendments or revisions thereto.

Meagan Jackson, Interim Assistant Division Director, Environmental Health Services Division, Public Health -- Seattle & King County
Roman Welyczko, Project/Program Manager IV, Public Health -- Seattle & King County

Public Hearing Required

8. Resolution No. 24-07 pg 119



A RESOLUTION identifying the American Indian Health Commission for Washington State's regular member to serve on the King County Board of Health.

Joy Carpine-Cazzanti, King County Board of Health Administrator, Public Health -- Seattle & King County
Sam Porter, Legislative Analyst, King County Council
Jolene Williams, Councilmember, Snoqualmie Indian Tribe

9. Resolution No. 24-08 pg 121

A RESOLUTION identifying the American Indian Health Commission for Washington State's alternate member to serve on the King County Board of Health.

Joy Carpine-Cazzanti, King County Board of Health Administrator, Public Health -- Seattle & King County
Sam Porter, Legislative Analyst, King County Council
Jolene Williams, Councilmember, Snoqualmie Indian Tribe

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Briefings

- 10. BOH Briefing No. 24-B22 **pg 127**

A briefing discussing infant and birthing parents, issues, healthcare access and options.

Vazaskia Crockrell, Community Health Services Division Director, Public Health – Seattle & King County
Michelle Sarju, Community Health Services Division, Public Health – Seattle & King County
Dila Perera, Executive Director, Open Arms Perinatal Services

- 11. **2025 Legislative Priorities** **pg 140**

Simon Vila, Government Relations Officer, Public Health – Seattle & King County
Ginna Hernandez, Policy Analyst, Public Health – Seattle & King County
Mac Nicholson, Government Relations Director, King County Council

- 12. **Preparing the 2025 Board of Health Workplan** **pg 146**



Joy Carpine-Cazzanti, King County Board of Health Administrator, Public Health -- Seattle & King County

- 13. **Board Member Updates**

- 14. **Other Business**

Adjournment

If you have questions or need additional information about this agenda, please call (206) 263-0365, or write to Joy Carpine-Cazzanti, Board of Health Administrator via email at KCBOHAdmin@kingcounty.gov

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Meeting Minutes Board of Health

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MN, RN;
Alternate: Mustafa Mohammed, MBCHB, MHP, AAC

Community Stakeholders:
Christopher Archiopoli, Victor Loo
Alternate: Françoise Milinganyo

American Indian Health Commission:
Esther Lucero (Diné), MPP; Alternate: Abigail Echo-Hawk
(Pawnee), MA

Dr. Faisal Khan, Director, Seattle-King County Department of
Public Health
Staff: Joy Carpine-Cazzanti, Board
Administrator - KCBOHAdmin@kingcounty.gov

1:00 PM

Thursday, October 17, 2024

Hybrid Meeting

DRAFT MINUTES

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Meeting ID: 836 2614 2088

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1. Call to Order

The meeting was called to order at 1:00 p.m.

2. Roll Call

Present: 14 - Archiopoli, Barón, Chew, Daniels, de Castro, Dunn, Gudgel, Kettle, Koellen, Loo, Lucero, Mosqueda, Sweet and Mohammed
Excused: 3 - Hollingsworth, Narruhn and Nelson

3. Announcement of Any Alternates Serving in Place of Regular Members

Boardmember Mohammed served in place of Boardmember Narruhn.
Boardmember Lam was also in attendance.

4. Approval of Minutes of September 19, 2024

Boardmember Daniels moved to approve the minutes of the September 19, 2024, meeting as presented. Seeing no objection, the Chair so ordered.

5. **Public Comments**

*The following person spoke:
Mike Thomas*

6. **Chair's Report**

Boardmember Mosqueda made remarks and briefed the Board on the Pet Program and the meat-cutters exam.

7. **Administrator's Report**

Joy Carpine-Cazzanti, Board of Health Administrator, made remarks, updated the Board on the Pet Business Program, the meat-cutter exams and answered questions.

Discussion and Possible Action

Joy Carpine-Cazzanti, Board Administrator, briefed the Board on Items 8-11, and answered questions.

8. **Resolution No. 24-03**

A RESOLUTION identifying the American Indian Health Commission for Washington State's nonelected regular member and alternate member selections, respectively, to serve on the King County Board of Health.

Boardmember Lucero made remarks and thanked the Board.

A motion was made by Boardmember Daniels that this Resolution be Passed. The motion carried by the following vote:

Yes: 11 - Archiopoli, Barón, Chew, Daniels, de Castro, Gudgel, Koellen, Loo, Mosqueda, Sweet and Mohammed

Excused: 5 - Dunn, Hollingsworth, Kettle, Narruhn and Nelson

Abstain: 1 - Lucero

9. **Resolution No. 24-04**

A RESOLUTION identifying Katherine Gudgel for reappointment as the King County Board of Health's selected nonelected member candidate representing public health, health care facilities, and providers.

Boardmember Gudgel made remarks and thanked the Board.

A motion was made by Boardmember Koellen that this Resolution be Passed. The motion carried by the following vote:

Yes: 11 - Archiopoli, Barón, Chew, Daniels, de Castro, Koellen, Loo, Lucero, Mosqueda, Sweet and Mohammed

Excused: 5 - Dunn, Hollingsworth, Kettle, Narruhn and Nelson

Abstain: 1 - Gudgel

10. Resolution No. 24-05

A RESOLUTION identifying Mustafa Mohammed for appointment as the King County Board of Health's selected nonelected member candidate representing consumers of public health.

Boardmember Mohammed made remarks and thanked the Board.

A motion was made by Boardmember Daniels that this Resolution be Passed. The motion carried by the following vote:

Yes: 11 - Archiopoli, Barón, Daniels, de Castro, Gudgel, Koellen, Loo, Lucero, Mosqueda, Sweet and Mohammed

Excused: 6 - Chew, Dunn, Hollingsworth, Kettle, Narruhn and Nelson

11. Resolution No. 24-06

A RESOLUTION identifying LaMont Green as the King County Board of Health's nonelected alternate member candidate to represent consumers of public health for a three-year term to expire on December 31, 2027.

Dr. LaMont Green made remarks and thanked the Board.

A motion was made by Boardmember Koellen that this Resolution be Passed. The motion carried by the following vote:

Yes: 12 - Archiopoli, Barón, Chew, Daniels, de Castro, Gudgel, Koellen, Loo, Lucero, Mosqueda, Sweet and Mohammed

Excused: 5 - Dunn, Hollingsworth, Kettle, Narruhn and Nelson

12. R&R No. BOH24-04

A RULE AND REGULATION relating to fees for environmental health services; amending R&R 91, Section 1 (part), as amended, and BOH 2.10.020, R&R 05-05, Sections 15, 21, 35, 36, 37, 38, 39 and 40, as amended, and BOH 2.10.040, R&R 05-05, Sections 15, 23, 41, 42, 43, 44, 45, and 46, as amended, and BOH 2.10.060, R&R 05-05, Section 25, as amended, and BOH 2.10.080, R&R 09-07, Section 44, as amended, and BOH 2.13.020, R&R 09-07, Section 45, as amended, and BOH 2.13.030, R&R 09-07, Section 47, as amended, and BOH 2.13.050, R&R 03-06, Section 2 (part), as amended, and BOH 2.14.020, R&R 05-05, Sections 59, 60, 76, 77, 78, 79, 80, and 81, as amended, and BOH 2.14.030, R&R 53, Section 1 (part), as amended, and BOH 2.16.020, R&R 99-01, Section 2 (part), as amended, and BOH 2.18.020, R&R 58, Section 1 (part), as amended, and BOH 2.20.020, R&R 20, Section 1(1), as amended, and BOH 2.22.020, and R&R 20, Section 1(2), as amended, and BOH 2.22.030, repealing R&R 7, Ch. 7, as amended, and BOH 2.06.040, and establishing an effective date; enacted pursuant to RCW 70.05.060, including the latest amendments or revisions thereto.

Dylan Orr, Division Director, Environmental Health Services Division, briefed the Board and answered questions.

Julie Horowitz, Strategic Development Analyst, Environmental Health Services, briefed the Board and answered questions.

Michael Perez, Finance and Admin Services Manager, Environmental Health Services Division, briefed the Board and answered questions.

Dr. Eyob Mazengia, Health & Environmental Investigator IV, DPH/EHD - Food & Facilities Environmental Health Services, answered questions.

A public hearing was held and closed. A motion was made by Boardmember Barón that this R&R be Passed. The motion carried by the following vote:

Due to the design of the legislative tracking software used to produce the proceedings, the vote on this item is misreported. The correct vote is:

Yes: 6 - Barón, Dunn, Kettle, Koellen, Sweet, and Mosqueda
Excused: 2 - Hollingsworth and Nelson

Yes: 6 - Barón, Dunn, Kettle, Koellen, Mosqueda and Sweet

Excused: 2 - Hollingsworth and Nelson

Abstain: 9 - Archiopoli, Chew, Daniels, de Castro, Gudgel, Loo, Lucero, Narruhn and Mohammed

13. **Board Member Updates**

No updates were given.

14. **Other Business**

No Other Business was presented.

Adjournment

The meeting was adjourned at 2:40 p.m.

If you have questions or need additional information about this agenda, please call (206) 263-0365, or write to Joy Carpine-Cazzanti, Board of Health Administrator via email at KCBOHAdmin@kingcounty.gov

Approved this _____ day of _____

Clerk's Signature



Signature Report

R&R

Proposed No. BOH24-05.1

Sponsors

1 A RULE AND REGULATION relating to on-site sewage
2 treatment and disposal systems; amending R&R 3, Part
3 13, Section 1, as amended, and BOH 13.04.050, R&R 3,
4 Part 13, Section 3, as amended, and BOH 13.04.070,
5 R&R 99, Section 2 (part), as amended, and BOH
6 13.08.010, R&R 3, Part 1, Section 5, as amended, and
7 BOH 13.08.020, R&R 3, Part 1, Section 5 (part), as
8 amended, and BOH 13.08.140, R&R 99-01, Section 2
9 (part), as amended, and BOH 13.08.152, R&R 99-01,
10 Section 2 (part), and BOH 13.08.226, R&R 99-01,
11 Section 2 (part), as amended, and BOH 13.08.284, R&R
12 3, Part 1, Section 5 (part), as amended, and BOH
13 13.08.300, R&R 99-01, Section 2, and BOH 13.08.342,
14 R&R 3, Part 1, Section 5 (part), as amended, and BOH
15 13.08.350, R&R 3, Part 1, Section 5 (part), as amended,
16 and R&R 13.08.380, R&R 3, Part 1, Section 5 (part), as
17 amended, and BOH 13.08.490, R&R 3, Part 10, Section
18 2, as amended, and BOH 13.12.030, R&R 3, Part 10,
19 Section 3(B), as amended, and BOH 13.12.050, R&R 3,
20 Part 12, Section 1, as amended, and BOH 13.16.010,

21 R&R 3, Part 2, Section 1, as amended, and BOH
22 13.20.010, R&R 3, Part 2, Section 2(B), as amended, and
23 BOH 13.20.030, R&R 99-01, Section 2, as amended, and
24 BOH 13.20.035, R&R 3, Part 2, Section 3, as amended,
25 and BOH 13.20.040, R&R 3, Part 3, Section 1, and BOH
26 13.24.010, R&R 3, Part 3, Section 2, as amended, and
27 BOH 13.24.020, R&R 3, Part 3, Section 3, as amended,
28 and BOH 13.24.030, R&R 3, Part 3, Sections 1 and 4, as
29 amended, and BOH 13.28.010, R&R 3, Part 4, Section 2,
30 as amended, and BOH 13.28.020, R&R 3, Part 4, Section
31 3, as amended, and BOH 13.28.030, R&R 3, Part 4,
32 Section 7, as amended, and BOH 13.28.070, R&R 3, Part
33 5, Section 2(A), as amended, and BOH 13.36.010, R&R
34 3, Part 5, Section 3(C), and BOH 13.40.030, R&R 3, Part
35 5, Section 5, and BOH 13.48.010, R&R 3, Part 6, Section
36 1, as amended, and BOH 13.52.010, R&R 3, Part 7,
37 Section 5, and BOH 13.56.050, R&R 99-01, Section 2
38 (Part), as amended, and BOH 13.56.054, R&R 99-01,
39 Section 2 (part), as amended, and BOH 13.60.005, R&R
40 3, Part 8, Section 1, as amended, and BOH 13.60.010 ,
41 R&R 08-03, Section 145, and BOH 13.60.030, R&R 3,
42 Part 9, Section 1, as amended, and BOH 13.64.010, R&R
43 3, Part 9, Section 2, as amended, and BOH 13.64.020,

44 R&R 3, Part 11, Section 1, as amended, and BOH
45 13.68.010, R&R 3, Part 11, Section 2, as amended, and
46 BOH 13.68.020, R&R 3, Part 11, Section 3, as amended,
47 and BOH 13.68.030, and R&R 3, Part 11, Section 5, as
48 amended, and BOH 13.68.050, adding new sections to
49 BOH chapter 13.04, adding new sections to BOH chapter
50 13.08, recodifying BOH 13.08.226,.repealing R&R 99-
51 01, Section 2 (part), and BOH 13.08.024, R&R 08-03,
52 Section 12, and BOH 13.08.055, R&R 3, Part 1, Section
53 5 (part), as amended, and BOH 13.08.060, R&R 3, Part 1,
54 Section 5 (part), as amended, and BOH 13.08.070, R&R
55 99-01, Section 2 (part), and BOH 13.08.072, R&R 99-01,
56 Section 2 (part), as amended, and BOH 13.08.084, R&R
57 3, Part 1, Section 5 (part), as amended, and BOH
58 13.08.090, R&R 99-01, Section 2 (part), as amended, and
59 BOH 13.08.114, R&R 08-03, Section 21, and BOH
60 13.08.115, R&R 08-03, Section 23, and BOH 13.08.117,
61 R&R 08-03, Section 27, and BOH 13.08.131, R&R 99-
62 01, Section 2 (part), as amended, and BOH 13.08.132,
63 R&R 99-01, Section 2 (part), and BOH 13.08.134, R&R
64 08-03, Section 30, and BOH 13.08.141, R&R 08-03,
65 Section 32, and BOH 13.08.151, R&R 08-03, Section 34,
66 and BOH 13.08.154, R&R 09-03, Section 37, and BOH

67 13.08.175, R&R 3, Part 1, Section 5 (part), as amended,
68 and BOH 13.08.180, R&R 3, Part 1, Section 5 (part), as
69 amended, and BOH 13.08.190, R&R 99-01, Section 2
70 (part), as amended, and BOH 13.08.202, R&R 08-03,
71 Section 40, and BOH 13.08.205, R&R 99-01, Section 2
72 (part), and BOH 13.08.212, R&R 08-03, Section 41, and
73 BOH 13.08.213, R&R 99-01, Section 2 (part), and BOH
74 13.08.226, R&R 08-03, Section 47, and BOH 13.08.257,
75 R&R 08-03, Section 49, and BOH 13.08.261, R&R 08-
76 03, Section 50, and BOH 13.08.263, R&R 3, Part 1,
77 Section 5 (part), as amended, and BOH 13.08.280, R&R
78 08-03, Section 55, and BOH 13.08.287, R&R 3, Part 1,
79 Section 5 (part), as amended, and BOH 13.08.290, R&R
80 08-03, Section 56, and BOH 13.08.305, R&R 3, Part 1,
81 Section 5 (part), as amended, and BOH 13.08.320,
82 R&R 08-03, Section 57, and BOH 13.08.3215, R&R 99-
83 01, Section 2 (part), as amended, and BOH 13.08.322,
84 R&R 99-01, Section 2 (part), as amended, and BOH
85 13.08.324, R&R 08-03, Section 60, and BOH 13.08.327,
86 2R&R 3, Part 1, Section 5 (part), as amended, and BOH
87 13.08.330, R&R 99-01, Section 2 (part), and BOH
88 13.08.341, R&R 08-03, Section 61, and BOH 13.08.346,
89 R&R 3, Part 1, Section 5, as amended, and BOH

90 13.08.350, R&R 99-01, Section 2 (part), as amended, and
91 BOH 13.08.372, R&R 99-01, Section 2 (part), and BOH
92 13.08.402, R&R 99-01, Section 2 (part), and BOH
93 13.08.406, R&R 3, Part 1, Section 5 (part), as amended,
94 and BOH 13.08.410, R&R 08-03, Section 69, and BOH
95 13.08.424, R&R 99-01, Section 2 (part), and BOH
96 13.08.426, R&R 08-03, Section 72, and BOH 13.08.465,
97 R&R 3, Part 1, Section 5, as amended, and BOH
98 13.08.470, R&R 99-01, Section 2 (part), as amended, and
99 BOH 13.08.472, R&R 08-03, Section 74, and BOH
100 13.08.477, R&R 08-03, Section 76, and BOH 13.08.482,
101 R&R 99-01, Section 2 (part), as amended, and BOH
102 13.08.484, R&R 09-03, Section 79, and BOH 13.08.493,
103 R&R 08-03, Section 80, and BOH 13.08.4934, R&R 08-
104 03, Section 81, and BOH 13.08.4937, R&R 99-01,
105 Section 2 (part), as amended, and BOH 13.08.496, R&R
106 3, Part 1, Section 5 (part), as amended, and BOH
107 13.08.500, R&R 08-03, Section 87, and BOH 13.08.505,
108 R&R 99-01, Section 2 (part), and BOH 13.08.512, R&R
109 99-01, Section 2 (part), and BOH 13.08.516, R&R 08-03,
110 Section 88, and BOH 13.08.520, prescribing penalties,
111 and establishing an effective date; enacted pursuant to

112 RCW 43.20.050 and 70.05.060, including the latest
113 amendments or revisions thereto.

114 BE IT ADOPTED BY THE KING COUNTY BOARD OF HEALTH:

115 NEW SECTION. SECTION 1. There is hereby added a new section to BOH
116 chapter 13.04 to read as follows:

117 **State on-site sewage system regulations adopted.**

118 A. Except as otherwise specifically provided in this title, chapter 246-272A
119 WAC, Washington On-site Sewage System Regulations, as amended, are hereby adopted
120 and by this reference made a part of this title.

121 B. If a provision or definition of chapter 246-272A WAC is inconsistent with a
122 provision or definition otherwise established under this title, the more stringent provision
123 shall apply.

124 NEW SECTION. SECTION 2. There is hereby added a new section to BOH
125 chapter 13.04 to read as follows:

126 **Equity impact review.** Whenever the health officer performs review of an on-
127 site sewage system local management plan under WAC 246-272A-0015, the health
128 officer will conduct an equity impact review in accordance with King County Ordinance
129 16948 and report the results of the review to the King County Board of Health before
130 approving a revised local management plan.

131 SECTION 3. R&R 3, Part 13, Section 1, as amended, and BOH 13.04.050 are
132 hereby amended to read as follows:

133 **Connection to public sewer.**

134 A. The owner or occupant of lands or premises located within the Urban Growth
135 Area, as defined in the King County Comprehensive Plan, undertaking new residential or
136 nonresidential construction, short subdivision or subdivision from which sewage will
137 originate shall connect the construction to a public sewer if the sewer utility permits such
138 connection. Within unincorporated King County such connection shall be in accordance
139 with ~~((King County Code Section))~~ K.C.C. 13.24.136. Within incorporated cities such
140 connection shall be in accordance with the policies of that city or the local sewer utility.
141 The connection shall be made by connecting the building drain with an approved side
142 sewer, and the side sewer to the public sewer.

143 B. For existing development located within ~~((or outside))~~ the Urban Growth Area
144 and which is within two hundred feet of a public sewer, where an on-site sewage system
145 is operating, the owner shall abandon the on-site sewage system in accordance with WAC
146 246-272A-0300 and connect the sanitary drainage system to the public sewer when the
147 sewer authority permits such connection and when:

148 1. Repair, modification or replacement of the on-site sewage system is
149 necessary, or the existing on-site sewage system has failed and an on-site sewage system
150 fully conforming to this title cannot be designed and installed; or

151 2. Additional construction which in any way affects the on-site sewage system
152 is proposed.

153 C. The distances set forth in subsection B. of this section shall be calculated
154 along the shortest route in road rights-of-way and easements~~((, consistent with the
155 comprehensive planning and sewer extension practices of the sewer utility involved,))~~
156 from the existing sewer to the nearest point of the lands or premises to be served.

157 consistent with the jurisdictional comprehensive plan and sewer extension practices of
158 the sewer utility involved.

159 D. Every plumbing fixture and every sanitary drainage system not connected to a
160 public sewer, or not required by law to be connected to a public sewer, shall be connected
161 to an on-site sewage system.

162 E. The health officer is authorized to grant waivers from specific requirements of
163 this section in accordance with WAC 246-272A-0420, as amended.

164 SECTION 4. R&R 3, Part 13, Section 3, as amended, and BOH 13.04.070 are
165 hereby amended to read as follows:

166 **Domestic water supply source.** No on-site sewage system may be constructed
167 or expanded if the plumbing fixtures draining to the system are not supplied with water
168 from an approved source. An approved water source consists of one of the following:

169 A. Public water source: A public water source currently in compliance with
170 chapter 246-290 or 246- 291 WAC and BOH Title 12.

171 B. Private individual well source: A private well on a lot five acres or greater in
172 size or a lot created prior to May 18, 1972, which complies with all of the following
173 conditions:

174 1.a. Well location approval: Any proposed new or replacement individual
175 private well location shall be submitted to the health officer and receive approval prior to
176 construction of the well.

177 ~~((a. All private water system development in the urban growth area or in the~~
178 ~~rural area as defined by the King County Comprehensive Plan is subject to the provisions~~
179 ~~of King County Code Sections 13.24.140 and 13.24.138, respectively.))~~

180 b. Proposed new initial well locations shall be accurately specified upon an
181 OSS site design application and shall be submitted for review by the health officer in
182 conjunction with evaluation of the proposed OSS design. If the protective well radius is
183 within ten feet of any lot line, easement line or any source of contamination, the health
184 officer may require the well site to be surveyed.

185 c. Application for replacement well locations shall be made on forms obtained
186 from the health officer and shall be accompanied by a review fee as specified in the fee
187 schedule.

188 d. The new or replacement well location shall be clearly identified at the site.

189 e. Information shall be provided as part of the well location application to
190 include, at minimum, a completely dimensioned plot plan, drawn to a scale not smaller
191 than one inch equals one hundred feet accurately showing the location of the proposed
192 water well relative to property boundary lines, existing and proposed OSS components
193 including OSS reserve area, existing and proposed structures, roads and driveways,
194 surface water, direction of surface drainage, a designated well protection sanitary control
195 area, and any other features relevant to the siting of a water well location.

196 f. A water well site approval is valid for (~~two~~) three years from the date of
197 approval or until the expiration of a building permit issued by the building official for
198 construction of the primary structure to be served by the new well, whichever period is
199 longer.

200 2. Water well protection covenant: The property owner shall establish a water
201 well protection sanitary control area by providing a recorded protective covenant
202 prohibiting, within a horizontal distance of not less than one hundred feet of the well,

203 potential sources of contamination as described in BOH 12.24.010 and WAC 173-160-
204 171.

205 3. Demonstrate adequate water quantity by:

206 a. Drilling, in known or suspected areas of low production, the well and
207 conducting a four hour pump test that demonstrates that the proposed well is capable of
208 providing water to a residential dwelling in the amount of not less than four hundred
209 gallons per day. This pump test may be required to be performed during the months of
210 August, September, or October at the health officer's discretion; or

211 b. Providing, in all other areas, adequate information to the satisfaction of the
212 health officer to demonstrate the aquifer's capability to provide four hundred gallons per
213 day. This information may include well logs or pumping reports from neighboring wells
214 utilizing the same aquifer. The neighboring well or wells shall be shown on a map of the
215 surrounding area identifying both the subject property and the location of the well or
216 wells identified as neighboring. The map shall be included with the OSS site design
217 application submittal.

218 4. Demonstrate adequate water quality by submitting results of all tests taken for
219 the following and showing:

220 a. Bacteriological analysis from at least two raw source water samples from the
221 well indicating no presence of coliform bacteria; and

222 b. At least one chemical test for nitrate and arsenic from the well water
223 described in table 2, WAC 246-291-170, which does not exceed the primary maximum
224 contaminant level under WAC 246-291-170.

225 5. Provide a copy of well driller's report under WAC 173-160-141.

226 6. Construction of the well must meet Washington state Department of
227 Ecology's construction standards under chapter 173-160 WAC.

228 C. A private spring on a lot five acres or greater or a lot created prior to May 18,
229 1972, that complies with all of the following conditions prior to application for OSS site
230 design approval:

231 1. Application for an individual private spring water source shall be made on
232 forms provided by the health officer and shall be accompanied by a fee as specified in the
233 fee schedule.

234 2. The application shall include: a recorded protective covenant of no less than
235 two hundred feet up slope and one hundred feet down slope from the spring prohibiting
236 any potential sources of contamination as described in BOH 13.04.070 B.2., a spring
237 location plot plan, a detailed spring construction plan, and information demonstrating
238 acceptable water quality and quantity as specified in BOH 12.20.040 and chapter 246-291
239 WAC.

240 3. Within thirty days of receiving a complete application the health officer shall
241 approve, deny or notify the applicant that the application is pending. Reasons for denial
242 or pendency of the application shall be stated in writing.

243 D. A rainwater catchment system that serves as the only source of drinking water
244 for a single family residence and that complies with each of the following conditions:

245 1. The health officer finds that requiring connection of the plumbing system to
246 an approved public water source or to an approved private well would cause undue
247 hardship.

248 2. Application for a rainwater catchment system source approval shall be
249 submitted for review on forms provided by the health officer. The applicant shall pay to
250 the health officer the rainwater catchment system review fee as specified in the fee
251 schedule, payable after completion of the application review.

252 3. Application for a rainwater catchment system source approval shall be
253 prepared by any one or more of the following:

254 a. a professional engineer authorized under a current, valid license to practice
255 in Washington state;

256 b. an environmental health professional holding a current, valid registration
257 from either the Washington State Environmental Health Association or the National
258 Environmental Health Association;

259 c. a King County licensed water system designer holding a current, valid
260 license to design water systems in King County; and

261 d. a rainwater system designer holding a current, valid accreditation from the
262 American Rainwater Catchment System Association.

263 4. Rainwater catchment system design shall conform to chapter 51-56 WAC,
264 Uniform Plumbing Code, as amended, and shall include, at a minimum, the following
265 information:

266 a. estimated daily and weekly and annual demand;

267 b. available catchment area and estimated annual rainwater capture;

268 c. roofing materials used;

269 d. storage capacity of and materials used in the construction of the rainwater
270 catchment system;

271 e. treatment specifications including filtrations and disinfection system
272 specifications; and

273 f. operation and maintenance requirements.

274 5. Composite or shake shingles or other materials determined by the health
275 officer to present a risk of contamination may not be approved or used as roofing
276 materials for a rainwater catchment system source.

277 6. Before using a rainwater catchment system source, the property owner shall
278 file in the county recorder's office a notice on title advising that the property is served by
279 a rainwater catchment system and including the following information:

280 a. the estimated daily, weekly and annual water supply furnished by the
281 rainwater catchment system;

282 b. that the water supply from the rainwater catchment system may be limited
283 due to variations in rainfall or usage; and

284 c. that regular maintenance of the treatment system and components is required
285 in order to minimize the risk of consuming contaminated water,

286 E. Lot area designated in whole or in part as a critical area may be included in the
287 computation of the minimum five-acre lot size required under ~~((S))~~ subsections B. and C.
288 of this section.

289 SECTION 5. R&R 99, Section 2 (part), as amended, and BOH 13.08.010 are
290 hereby amended to read as follows:

291 **Abbreviations.**

292 A. "ASTM" means American Society of Testing Materials.

293 B. "ATU" means Aerobic Treatment Unit.

294 C. (~~"BOD5" means biochemical oxygen demand, typically expressed in mg/L.~~

295 ~~D. "CBOD5" means carbonaceous biochemical oxygen demand, typically~~

296 ~~expressed in mg/L. For purposes of approximate conversion from BOD5 to CBOD5,~~

297 ~~multiply the BOD5 by 0.83.~~

298 ~~E.)) "CEU" means continuing education unit.~~

299 (~~(F. "DDES"))~~ D. "DLS" means King County Department of (~~(development and~~

300 ~~environmental))~~ Local Services.

301 (~~(G.))~~ E. "DOH" means the Washington state Department of Health.

302 (~~(I. "mg/L" means milligrams per liter.~~

303 J. ~~"NSF" means National Sanitation Foundation International.~~

304 K. ~~"O and G," means oil and grease, a component of sewage typically originating~~

305 ~~from foodstuffs, which are animal fats or vegetable oils, or consisting of compounds of~~

306 ~~alcohol or glycerol with fatty acids, which are soaps and lotions. The quantity of O and G~~

307 ~~is typically expressed in mg/L.~~

308 L. ~~"TN" means total nitrogen, typically expressed in mg/L.~~

309 M. ~~"TSS" means total suspended solids, a measure of all suspended solids in a~~

310 ~~liquid, typically expressed in mg/L.~~

311 N.)) F. ">" means greater than.

312 (~~(O.))~~ G. "<" means less than.

313 (~~(P.))~~ H. "OSM" means certified on-site system maintainer.

314 SECTION 6. R&R 3, Part 1, Section 5, as amended, and BOH 13.08.020 are

315 hereby amended to read as follows:

316 **Accessory living quarters.** "Accessory living quarters" means living quarters
317 ~~((within an))~~ accessory ~~((building))~~ to a single-family residence and for the sole use of
318 the family or persons employed on the premises or for the temporary use of guests of the
319 occupants of the premises. Such quarters have no kitchen facilities and are not rented or
320 otherwise used as a separate dwelling unit.

321 NEW SECTION. SECTION 7. There is hereby added a new section to BOH
322 chapter 13.08 to read as follows:

323 **Bedroom.** "Bedroom" means a room used for sleeping and that includes a
324 window, a door, and a closet. "Bedroom" does not include a room smaller than seventy
325 square feet in area with a closet, or an entry way with a closet. For the purposes of this
326 title, "window" includes a means of egress, other than a door, under section R310.1 of the
327 International Residential Code, 2018 edition.

328 SECTION 8. R&R 3, Part 1, Section 5 (part), as amended, and BOH 13.08.140
329 are hereby amended to read as follows:

330 **Excessively permeable soils.** "Excessively permeable soils" means soils:
331 A. ~~((with))~~ With a soil texture type 1; or
332 B. ~~((either))~~ With other textures as defined by the United States Department of
333 Agriculture standards and where conditions are such that the treatment potential is
334 ineffective in retaining or removing substances of public health significance to
335 underground sources of drinking water ~~((and soils with a percolation rate of one and one-~~
336 ~~half minutes per inch or faster))~~.

337 SECTION 9. R&R 99-01, Section 2 (part), as amended, and BOH 13.08.152 are
338 hereby amended to read as follows:

339 **Failure.** "Failure" means a condition of an on-site sewage system or ~~((side~~
340 ~~sewer))~~ component that threatens the public health by inadequately treating sewage or by
341 creating a potential for direct or indirect ~~((human))~~ contact between sewage and the
342 public. Examples of failure include:

343 A. Sewage~~((, septage or effluent))~~ on the surface of the ground;

344 B. Sewage~~((, septage or effluent))~~ backing up into a structure caused by slow soil
345 absorption of septic tank effluent;

346 C. Sewage~~((, septage or effluent))~~ leaking from a ~~((septic tank, pump chamber,~~
347 ~~holding tank, conveyance))~~ sewage tank or collection system;

348 D. Cesspools~~((,))~~ or seepage pits ~~((and pit privies))~~ where evidence of
349 groundwater or surface water quality degradation exists;

350 E. Inadequately treated effluent contaminating ground water or surface water;
351 ~~((and))~~ or

352 F. ~~((Failure to meet conditions))~~ Noncompliance with standards stipulated on the
353 permit.

354 SECTION 10. BOH 13.08.226 is hereby recodified as a new section to follow
355 BOH 13.08.260.

356 SECTION 11. R&R 99-01, Section 2 (part), and BOH 13.08.226 are hereby
357 amended to read as follows:

358 ~~((Limited))~~ **Minor repair.** "~~((Limited))~~ Minor repair" means the replacement,
359 addition or alteration of ~~((a))~~ any of the following broken or malfunctioning ~~((building~~
360 ~~sewer pipe, sewage tank lid, sewage tank baffles, sewage tank pumps, pump control~~

361 floats, pipes connecting multiple sewage tanks and drainfield inspection boxes and ports))

362 OSS components where the subsurface soil absorption system is not failing:

363 A. Building sewer pipe;

364 B. Sewage tank lids and risers;

365 C. Sewage tank baffles;

366 D. Sewage tank pumps;

367 E. Pump control floats;

368 F. Pipes connecting multiple sewage tanks;

369 G. Drainfield inspection boxes and ports;

370 H. Control panels and timers;

371 I. Components of a proprietary treatment unit;

372 J. UV disinfection units; or

373 K. Jetting of pressure distribution pipes or hard plastic or polyvinyl chloride

374 pipes in a gravity OSS.

375 SECTION 12. R&R 99-01, Section 2 (part), as amended, and BOH 13.08.284 are

376 hereby amended to read as follows:

377 **On-site system maintainer.** "On-site system maintainer" ((~~is~~) or "OSM"(~~is~~))

378 means a qualified person approved by the health officer to conduct performance

379 monitoring inspections of, diagnose causes of malfunction and failure of, or perform

380 preventive maintenance on and make ((~~limited~~)) minor repairs to on-site sewage systems.

381 SECTION 13. R&R 3, Part 1, Section 5 (part), as amended, and BOH 13.08.300

382 are hereby amended to read as follows:

383 **Original permeable soil.** "Original permeable soil" means the naturally
384 occurring soil of soil texture types 1 through ~~((5))~~ 6 overlying any impermeable layer,
385 any cemented layer overlying the groundwater table, or the elevation of groundwater
386 during the wet season, with a percolation rate not greater than fifty-nine ~~((59))~~ minutes
387 per inch.

388 SECTION 14. R&R 99-01, Section 2, and BOH 13.08.342 are hereby amended
389 to read as follows:

390 **Pumper. A.** "Pumper" means a qualified person approved by the health officer
391 and holding a certificate~~((s))~~ or certificates of competency ~~((pursuant to))~~ as classified
392 under BOH ((C))chapter 13.68 ((of this title,)) and this section to perform ~~((one or more~~
393 ~~of the following activities: May also be referred to as a "sludgehauler."))~~ activities as an
394 OSS pumper, portable toilet pumper, watercraft sewage tank pumper, grease trap or
395 interceptor pumper, or miscellaneous sewage pumper.

396 ~~((A-))~~ B. An OSS pumper removes sewage and~~((or))~~ septage from sewage
397 holding tanks, portable toilet units and OSS wastewater tanks and transports the contents
398 to an approved disposal site, and conducts routine monitoring and performance
399 inspections of gravity OSS.

400 ~~((B-))~~ C. ~~((Portable))~~ A portable toilet pumper removes sewage from only
401 portable~~((/))~~ or chemical toilet units and transports the contents to an approved disposal
402 site.

403 ~~((C-))~~ D. ~~((Vessel (boat))~~ A watercraft sewage tank pumper removes sewage
404 from holding tanks on ~~((vessels (boats))~~ watercraft and transports the contents to an
405 approved disposal site.

406 ~~((D-))~~ E. ((Grease trap/interceptor)) A grease trap or interceptor pumper removes
407 animal and vegetable fats, oils, and greases from either grease traps ~~((and/))~~ or grease
408 interceptor tanks, or both, and transports the contents to a recycling or approved disposal
409 site.

410 F. A miscellaneous sewage pumper removes sewage and sewage-contaminated
411 wastes from sewer lines, lift stations, or other sources of sewage or sewage-contaminated
412 wastes and transports the contents to an approved disposal site.

413 SECTION 15. R&R 3, Part 1, Section 5 (part), as amended, and R&R 13.08.350
414 are hereby amended to read as follows:

415 **Repair.** "Repair" means the ~~((replacement, reconstruction or relocation of, or~~
416 ~~addition or alteration to, a sewage tank, distribution box, tight line, or other~~
417 ~~appurtenances of an existing OSS, and including any replacement, reconstruction or~~
418 ~~relocation of, or addition or alteration to a soil absorption system)) relocation,~~
419 replacement, or reconstruction of a failed OSS or any failed component of an OSS, other
420 than a minor repair, in order to restore the OSS to nonfailure status.

421 SECTION 16. R&R 3, Part 1, Section 5 (part), as amended, and R&R 13.08.380
422 are hereby amended to read as follows:

423 **Restrictive layer.** "Restrictive layer" means a stratum impeding the vertical
424 movement of water, air, and growth of plant roots. Examples of such layers or conditions
425 are groundwater tables, hardpans, claypans, fragipans, some compacted soil, bedrock,
426 caliche, and ~~((clayey))~~ unstructured clay soil.

427 NEW SECTION. SECTION 17. There is hereby added a new section to BOH
428 chapter 13.08 to read as follows:

429 **Shoreline.** "Shoreline" means the land area directly bordering marine waters,
430 rivers with a mean annual flow exceeding twenty cubic feet per second, lakes larger than
431 twenty acres, or wetlands.

432 SECTION 18. R&R 3, Part 1, Section 5 (part), as amended, and BOH 13.08.490
433 are hereby amended to read as follows:

434 **Surface water.** "Surface water" means any body of water, whether fresh or
435 marine, which either flows or is contained in natural or artificial unlined depressions or
436 drainage course and contains water for forty-eight (~~((48)))~~ continuous hours during any of
437 the months of May through October, or is identified by King County department of
438 natural resources and parks as a significant drainage feature. Such bodies include, but are
439 not limited to, natural and artificial lakes, ponds, drinking water springs, rivers, streams,
440 swamps, marshes, tidal water, and wetlands.

441 SECTION 19. R&R 3, Part 10, Section 2, as amended, and BOH 13.12.030 are
442 hereby amended to read as follows:

443 **Public meetings—Procedure.**

444 A. Meetings shall be held on the call of the health officer, and shall be held with
445 sufficient frequency that no more than (~~((forty (40)))~~) ninety days shall elapse from the
446 time an appeal for reconsideration is commenced until a recommendation is returned to
447 the health officer by the committee, except that if a continuance is granted at the request
448 of an appellant the committee shall return its recommendation within a reasonable time.
449 The filing of any technical report or other exhibit subsequent to the commencement of an
450 appeal shall be deemed a request for a continuance.

451 B. The committee may make recommendations to the health officer concerning
452 the health officer's decision or determination that is the subject of the appeal for
453 reconsideration acting in an advisory capacity only.

454 C. Notice of all meetings of the committee shall be given not less than three
455 ~~((3))~~ days prior thereto to any appellant and to any other person ~~((which))~~ that had
456 previously made known a desire to affect the disposition of the order or decision of the
457 health officer which is the subject of the appeal for reconsideration.

458 D. All meetings of the committee shall be open to the public. Verbal testimony
459 may be given to the committee during the meeting.

460 SECTION 20. R&R 3, Part 10, Section 3(B), as amended, and BOH 13.12.050
461 are hereby amended to read as follows:

462 **Appeal for reconsideration—Filing.** The appeal for reconsideration shall be in
463 writing, submitted on one or more forms prescribed by the health officer, and shall be
464 filed with the health officer not later than 5:00 p.m. of the ~~((sixtieth (60th)))~~ ninetieth
465 calendar day following the date of the decision or order that is the subject of the appeal.
466 The appeal shall cite with particularity the decision or order appealed from, and shall
467 contain a statement of the reason for the appeal and what relief is sought. The appeal
468 shall be accompanied by any technical reports or other exhibits, prepared at the
469 appellant's own expense, which the appellant wishes the committee and the health officer
470 to consider.

471 SECTION 21. R&R 3, Part 12, Section 1, as amended, and BOH 13.16.010 are
472 hereby amended to read as follows:

473 **Membership.** There is established an on-site wastewater treatment and disposal
474 ~~((stakeholders))~~ technical advisory committee.

475 A. Membership of the advisory committee shall consist of at least ~~((nine))~~ twelve
476 members, including the health officer, ex officio, and any ~~((eight))~~ eleven or more of the
477 following voting members appointed by the health officer:

478 1. Sanitary, agricultural or civil engineer licensed by the state of Washington;

479 2. On-site sewage system designer;

480 3. Seattle Master Builders Association representative;

481 4. Seattle-King County Board of Realtors representative;

482 5. A representative of a nonprofit, nonpartisan public affairs or environmental
483 affairs organization;

484 6. On-site sewage system maintainer;

485 7. A consumer representing the King County Unincorporated Area Councils;

486 8. Representative of incorporated cities;

487 9. Representative of a sewer utility district;

488 10. On-site sewage system installer;

489 11. On-site sewage system pumper; ~~((and))~~

490 12. Field Sanitarian;

491 13. A representative of a federally recognized tribe or an organization under

492 Title 26 U.S.C. Sec. 501(c)(3) of the Federal Internal Revenue Code of 1986, as

493 amended, registered in Washington that serves American Indian and Alaska Native

494 people and provides services within King County;

495 14. A consumer representing users of OSS within the Urban Growth Area of
496 King County;

497 15. A consumer representing users of OSS within a Marine Recovery Area or
498 Shellfish Protection District within King County; and

499 16. A consumer representing users of OSS serving commercial properties in
500 King County.

501 B. In addition to the voting members, any combination of the following may be
502 appointed by the health officer to serve as ex officio members of the committee:

503 1. A King County department of natural resources and parks representative;

504 2. A Washington state Department of Ecology representative.

505 3. A Washington state Department of Health representative; and

506 4. A United States Department of Agriculture, Natural Resource Conservation
507 Service representative.

508 SECTION 22. R&R 3, Part 2, Section 1, as amended, and BOH 13.20.010 are
509 hereby amended to read as follows:

510 **Permits -- general.**

511 A. Unless otherwise specified in this title, it is unlawful to construct, install,
512 repair, or modify an OSS without an approved OSS (~~(construction)~~) installation permit.

513 Any person, other than the owner of the property where the OSS is located, who
514 constructs, installs, repairs, or modifies any part of an OSS without an approved OSS
515 installation permit, including but not limited to replacing a drainfield, will be subject to
516 the assessment of civil penalty fines of up to one thousand dollars per day, not to exceed
517 a total of fifteen thousand dollars per violation. The owner of the property where the

518 OSS is located will be subject to the assessment of civil penalty fines of up to one
519 thousand dollars per day, not to exceed a total of five thousand dollars per violation for
520 performing the work without an approved OSS installation permit. The health officer
521 may reduce or waive the penalty assessed against the property owner under this section
522 after a permitted OSS installation or repair has been completed and the health officer has
523 approved the installation or repair. Such permit shall be posted on the building or
524 premises where the work permitted is being done, before the work is begun, and unless
525 revoked, shall not be removed until such work has been finally approved by the health
526 officer.

527 B. The application submitted for an OSS (~~(construction)~~) installation permit shall
528 be accompanied by an approved site design application or approved repair proposal. The
529 permit application for a new OSS to serve a building shall be accompanied by evidence
530 that the responsible building official has issued a building permit authorizing construction
531 of that building.

532 C. The fee for an OSS (~~(construction)~~) installation permit shall be as set forth in
533 the fee schedule.

534 D. OSS (~~(construction)~~) installation permits shall expire (~~(two)~~) three years from
535 date of issue.

536 E. Unless otherwise provided in this title, the applicant for an OSS
537 (~~(construction)~~) installation permit shall be a certified master installer and shall be
538 responsible for all work done under that permit.

539 F. The applicant for an OSS (~~((construction))~~) installation permit may not also be
540 the designer named on the site application unless the work to be done consists solely of
541 OSS failure repair.

542 G. Application for an OSS (~~((construction))~~) installation permit shall be made in
543 writing in a manner prescribed by the health officer and shall be accompanied by a fee as
544 set forth in the fee schedule. The health officer may deny the application if in the health
545 officer's judgment operation of the system will result in a public health hazard. The
546 health officer may consider any relevant health and safety factors in making such a
547 determination. If an application is denied on the grounds of a hazard to public health, the
548 health officer at the time of the denial shall inform the applicant in writing of the reasons
549 for the denial and the applicant's right to appeal the denial.

550 H. Each (~~((construction))~~) installation permit issued pursuant to this title for an
551 OSS installation or repair is nontransferable and is valid only for the designer or installer
552 named thereon and for the type of OSS construction or repair for which the permit has
553 been issued. A new (~~((construction))~~) installation permit shall be obtained in the event of
554 change of designer or installer performing the work, or in the type of OSS for which a
555 permit has previously been issued.

556 SECTION 23. R&R 3, Part 2, Section 2(B), as amended, and BOH 13.20.030 are
557 hereby amended to read as follows:

558 **Installer certification.**

559 A. Except as provided in BOH 13.20.035 and 13.20.040, it is unlawful to install,
560 modify or repair OSS without a currently valid installer's certificate of competency.

561 B. (~~(1. Application)~~) An applicant for a master installer's or associate installer's
562 certificate of competency shall (~~(be made)~~) submit the application to the health officer
563 and shall (~~(be accompanied by a)~~) include the following with the application:

564 1. Payment of the installer certificate of competency fee as set forth in the fee
565 schedule under BOH chapter 2.18(-);

566 2. (~~(The application shall be accompanied by e)~~)Evidence of successful
567 completion within the previous twelve months of a health officer-recognized course of
568 instruction in the basics of OSS and installation of OSS(-);

569 3. (~~(The health officer shall examine the applicant, shall charge an exam fee as~~
570 ~~set forth in the fee schedule and may deny the application if in the health officer's~~
571 ~~judgment the applicant is for any reason, including previous finding of negligence,~~
572 ~~incompetence, misrepresentation or failure to comply with this title, not qualified to~~
573 ~~install on-site sewage systems)) Evidence of two years of full-time equivalent
574 employment with relevant OSS experience within the five-year period preceding
575 application submittal, except that associate installer is not required to provide this
576 evidence; and~~

577 4. A signed attestation that the applicant for a new or renewal certificate of
578 competency is familiar with and agrees to perform all OSS services in accordance with
579 the requirements of this title and the King County OSS code of performance and ethics.

580 C. (~~(1.)~~) As a condition of certification (~~(the)~~);

581 1. A master installer ((applicant)) shall submit evidence of and maintain at all
582 times compliance with state of Washington minimum performance bonding requirements
583 as stated in chapter 18.27 RCW(-), as amended;

584 2. ~~((The health officer may suspend or revoke any master or associate installer's~~
585 ~~certificate of competency, pursuant to BOH chapter 1.08)) A first-time applicant for a~~
586 ~~master or associate installer's certificate of competency shall submit payment of the~~
587 ~~examination fee as set forth in the fee schedule and attain a passing score on the~~
588 ~~applicable certification examination; and~~

589 3. A master or associate installer shall consistently demonstrate reasonable care
590 and skill in performing work governed by this title, meet the requirements of the OSS
591 code of performance and ethics, and comply with all the terms and conditions of these
592 and all other applicable rules and regulations.

593 D. The master or associate installer's certificate of competency shall expire
594 December 31 of each year. ((The)) An installer may not obtain installation permits or
595 construct or repair any OSS after December 31 unless the ((certification)) certificate has
596 been renewed. ((The holder of such a certificate))

597 E. An installer may renew the certificate ((on or before January 15 of the year
598 following expiration without taking the examination specified by this section, but only
599 if)) upon submittal, to the health officer, of a completed renewal application and fee
600 payment as specified in the fee schedule under BOH chapter 2.18, accompanied by
601 evidence that at least one CEU credit has been earned by the master or associate installer
602 during the previous calendar year, except that:

603 ~~((a. A renewal application accompanied by a fee as specified in the fee~~
604 ~~schedule in BOH chapter 2.18 is submitted to the health officer. A late fee of twenty five~~
605 ~~percent of the renewal amount will be charged by the health officer for renewal~~
606 ~~applications received after January 15; and~~

607 ~~b. The applicant provides evidence that at least one CEU credit has been~~
608 ~~earned by the master installer applicant and the associate installer applicant during the~~
609 ~~previous calendar year.~~

610 4.) 1. A master or associate installer submitting the renewal application after
611 January 15 of the year following expiration shall, in addition to the applicable certificate
612 fee, pay a late fee of twenty five percent of the renewal amount, and provide evidence of
613 completion of at least one CEU credit during the previous calendar year; and

614 2. A master or associate installer submitting the renewal application more than
615 twenty-four months after certificate expiration shall, in addition to the applicable
616 certificate fee, pay the applicable examination fee and must retake and obtain a passing
617 score on the certification examination specified in this section as a condition of renewal.

618 F. The health officer may deny any application for an installer's or associate
619 installer's certificate of competency if in the health officer's judgment the applicant is for
620 any reason, including previous findings of negligence, incompetence, misrepresentation
621 or failure to comply with this title, not qualified to install on-site sewage systems.

622 G. The health officer may hold, as necessary, informational((/)) or educational
623 meetings for all holders of installer's certificates of competency. A minimum of four
624 weeks' notice of the meeting time and location shall be sent to each installer. Except as
625 provided by the health officer attendance at the meetings shall be mandatory for all
626 installers. Failure to attend the required meetings, without prior approval of the health
627 officer, shall be cause for the health officer to withhold recertification until ((an
628 examination administered under the provisions of subsection B. of this section is

629 ~~retaken~~) the installer retakes and attains a passing score on the applicable examination
630 under this section.

631 H. The health officer may assess civil penalty fines of up to one-thousand dollars
632 per violation per day against any holder of a master or associate installer's certificate of
633 competency, or institute probationary requirements, or suspend or revoke a master or
634 associate installer's certificate of competency for the installer's failure to comply with this
635 title or the King County OSS code of performance and ethics.

636 SECTION 24. R&R 99-01, Section 2, as amended, and BOH 13.20.035 are
637 hereby amended to read as follows:

638 **Maintainer certification.**

639 A. ~~((Unless))~~ Except as otherwise specified in this title, including BOH
640 13.20.040 and 13.60.010 relating to homeowners, it is unlawful to conduct performance
641 monitoring inspections ~~((of and/or perform))~~, preventive maintenance service, ~~((to~~
642 ~~include making limited))~~ or minor repairs to on-site sewage systems~~((;))~~ without a
643 currently valid OSM certificate of competency.

644 B.~~((1. Application))~~ An applicant for an OSM certificate of competency shall
645 ~~((be made))~~ submit the application to the health officer and shall ~~((be accompanied by a))~~
646 include the following with the application:

647 1. Payment of the OSM certificate of competency fee as set forth in the fee
648 schedule under BOH chapter 2.18((-));

649 2. ~~((The application shall be accompanied by evidence of two years of relevant~~
650 ~~OSS experience.~~

651 ~~3. The application shall be accompanied by evidence))~~ Evidence of successful
652 completion within the previous twelve months of a health officer-recognized course of
653 instruction in the operation, monitoring and maintenance of on-site sewage systems((-));

654 ~~((4. The health officer shall examine the applicant except that the health officer~~
655 ~~may waive the examination for the designer who is performing monitoring of only these~~
656 ~~systems designed by that person. The health officer may deny the application if in the~~
657 ~~health officer's judgment the applicant is for any reason, including previous findings of~~
658 ~~negligence, incompetence, misrepresentation or failure to comply with this title, not~~
659 ~~qualified to monitor and maintain on-site sewage systems))~~ 3. Evidence of two years of
660 full-time equivalent employment with relevant OSS experience within the five-year
661 period preceding application submittal; and

662 4. A signed attestation that the applicant for a new or renewal certificate of
663 competency is familiar with and agrees to perform all OSS services in accordance with
664 the requirements of this title and the King County OSS code of performance and ethics.

665 C.~~((1-))~~ As a condition of certification ((the));

666 1. A maintainer shall ((a-)) submit evidence of and maintain at all times
667 compliance with state of Washington minimum performance bonding requirements as
668 stated in chapter 18.27 RCW, as amended; ((and))

669 ~~((b-))~~ 2. A first-time applicant for an OSM certificate of competency shall pay
670 the examination fee as set forth in the fee schedule and attain a passing score on the
671 certification examination, except that the health officer may waive the examination for a
672 designer who performs monitoring of only those systems designed by that person; and

673 3. A maintainer shall consistently demonstrate reasonable care and skill in
674 performing work governed by this title, meet the requirements of the King County OSS
675 code of performance and ethics, and ~~((shall))~~ comply with all the terms and conditions of
676 these and all other applicable rules and regulations.

677 ~~((2. The health officer may suspend or revoke any OSM certificate of~~
678 ~~competency, pursuant to BOH chapter 1.08.~~

679 3.)) D. The OSM certificate of competency shall expire December 31 of each
680 year. ~~((The holder of such certificate may renew the certificate on or before January 15~~
681 ~~of the year following expiration without taking the examination specified by this section,~~
682 ~~but only if:~~

683 ~~a. a renewal application accompanied by a fee as specified in the fee schedule I~~
684 ~~submitted to the health officer. A late fee of twenty five percent of the renewal amount~~
685 ~~will be charged by the health officer for renewal applications received after January 15;~~
686 ~~and~~

687 ~~b. the applicant submits evidence of bonding as specified by BOH~~
688 ~~13.20.035.C.1; and~~

689 ~~c. the applicant submits evidence that at least one CEU credit has been earned~~
690 ~~by the OSM applicant during the previous calendar year.~~

691 ~~4. The on-site system))~~ A maintainer may not conduct performance monitoring
692 inspections or perform preventive maintenance of on-site sewage systems after December
693 31, unless the certification has been renewed.

694 ~~((5.))~~ E. A maintainer may renew the OSM certificate of competency on or
695 before January 15 of the year following expiration upon submittal, to the health officer,

696 of a completed renewal application, accompanied by evidence that at least one CEU
697 credit has been earned by the maintainer during the previous calendar year, and fee
698 payment as specified under BOH chapter 2.18, except that:

699 1. An applicant submitting the renewal application after January 15 of the year
700 following expiration shall, in addition to the applicable certificate fee, pay a late fee of
701 twenty five percent of the renewal amount, and submit evidence that the applicant has
702 earned at least one CEU credit during the previous calendar year; and

703 2. An applicant submitting the renewal application more than twenty-four
704 months after certificate expiration must retake and obtain a passing score on the
705 certification examination specified in this section.

706 F. The health officer may deny any application for an OSS maintainer's
707 certificate of competency if in the health officer's judgment the applicant is for any
708 reason, including previous findings of negligence, incompetence, misrepresentation or
709 failure to comply with this title, not qualified to install on-site sewage systems.

710 G. The health officer may hold informational((/)) or educational meetings for all
711 holders of OSM certificates of competency. A minimum of four weeks' notice of the
712 meeting time and location shall be sent to each maintainer. Unless otherwise specified by
713 the health officer, attendance at the meeting shall be mandatory for all maintainers.
714 Failure to attend the required meetings without prior approval of the health officer shall
715 be cause for the health officer to withhold recertification until ((an OSM examination is
716 successfully completed)) the maintainer retakes and attains a passing score on the
717 certification examination specified in this section.

718 H. The health officer may assess civil penalty fines of up to one-thousand dollars
719 per violation per day against any holder of an OSS maintainer's certificate of
720 competency, or institute probationary requirements, or suspend or revoke a maintainer's
721 certificate of competency for the maintainer's failure to comply with this title or the King
722 County OSS code of performance and ethics.

723 SECTION 25. R&R 3, Part 2, Section 3, as amended, and BOH 13.20.040 are
724 hereby amended to read as follows:

725 **Resident owner design, construction and monitoring.**

726 A. A resident owner may personally design a system for the resident owner's own
727 single-family residence, but only if the site application submitted by the homeowner
728 demonstrates that:

729 1. The area where the drainfield and reserve area are to be located has a
730 minimum of four feet of original permeable soil, and a minimum vertical separation of
731 three feet is maintained((-));

732 2. Not more than one system is designed in any twelve-month period((-));

733 3. A gravity soil absorption system is proposed; (~~and~~)

734 4. The property is not adjacent to a (~~marine~~) shoreline;

735 5. The design includes a soil evaluation performed by a state of Washington
736 licensed on-site sewage system designer or professional engineer, or a soil scientist as
737 defined under chapter 246-272A WAC; and

738 6. The design describes a system fully conforming with this title.

739 B. A resident owner may personally construct, install, or repair a gravity system
740 for the resident owner's own single-family dwelling, but only if:

741 1. The area where the drainfield and reserve area are located has a minimum of
742 four feet of original permeable soil and a minimum vertical separation of three feet is
743 maintained;

744 2. The resident owner constructs and installs not more than one system in any
745 twelve-month period; and

746 3. The property is not adjacent to a ~~((marine))~~ shoreline.

747 C. The requirement for soil depths as required in ~~((this subsection B. and))~~
748 subsections A. and B. of this section may be waived by the health officer when the
749 resident owner is making repairs or additions to an existing gravity system or repairing or
750 replacing the building sewer component of an alternative system.

751 D. A resident owner of a single-family residence may monitor the performance of
752 and perform prescribed preventive maintenance services, including minor repairs, for a
753 gravity OSS ~~((and for))~~ or the septic tank component of an alternative OSS, or, upon
754 approval from the health officer, for a low-pressure distribution system.

755 SECTION 26. R&R 3, Part 3, Section 1, and BOH 13.24.010 are hereby
756 amended to read as follows:

757 **Application.**

758 A. Application for subdivision or short subdivision approval shall be made to the
759 health officer on forms provided for this purpose, shall be accompanied by a fee as set
760 forth in the fee schedule and shall be in sufficient detail to allow evaluation of the
761 suitability of the proposed means of on-site sewage treatment and disposal. The
762 application shall be made by a licensed designer or professional engineer as defined
763 under this title. If a community on-site system is proposed, the preliminary report and

764 plans and specifications shall be in accordance with BOH 13.28.040. ~~((If any soils work~~
765 ~~is required or evaluation of an existing OSS is necessary the application must be~~
766 ~~submitted to the health officer by a licensed septic system designer or qualified~~
767 ~~professional engineer.))~~

768 B. Department review is not required for those subdivisions within the urban
769 growth area where group A public water and public sewer service will be used for all of
770 the resultant lots.

771 C. The application for any development, including but not limited to
772 subdivisions, short subdivisions, mobile home parks, multi-family housing, and
773 commercial establishments, shall include evidence that suitable site and soil conditions as
774 required by this title, to adequately treat and dispose of sewage on-site are present. The
775 applicant for development in a critical aquifer recharge area shall include, in the
776 application, evidence of compliance with K.C.C. 21A.24.316, as amended, including
777 evidence of compliance with the critical aquifer recharge area requirements. After
778 review of the proposed development, the health officer shall either approve, deny, or hold
779 the proposal pending submittal of additional information.

780 SECTION 27. R&R 3, Part 3, Section 2, as amended, and BOH 13.24.020 are
781 hereby amended to read as follows:

782 **Determination of minimum lot size.**

783 A. The minimum lot size when creating new lots utilizing OSS shall be
784 established by the health officer on the basis of the information submitted and any on-site
785 inspections by the health officer.

786 1. All lots created must be at least (~~(twelve thousand five hundred)~~) thirteen
787 thousand square feet and shall not exceed a maximum flow density of (~~((one thousand five~~
788 ~~hundred seventy gallons of sewage per acre per day))~~ 3.35 unit volumes of sewage per
789 day for public water supply and 1 unit volume of sewage per acre per day for private
790 water supply.

791 2. Lots utilizing an individual private water source shall be at least five acres.

792 B. Factors that may be considered when determining type of on-site system,
793 connection to sewers, or establishing minimum lot size area include but are not limited to
794 the following:

795 1. Availability of public sewers, as determined by the King County

796 Comprehensive Plan;

797 2. Soil type and depth;

798 3. Area drainage and lot drainage;

799 4. Protection of surface and ground water;

800 5. Setbacks from property lines, water supplies, rights of way and easements,

801 including but not limited to easements for drainfields, utilities and telecommunications;

802 6. Source of domestic water;

803 7. Topography, geology and ground cover;

804 8. Climatic conditions;

805 9. Activity or land use, present and anticipated;

806 10. Growth patterns;

807 11. Individual and accumulated gross effects on water quality;

808 12. Availability of a one hundred percent reserve area for system replacement;

809 13. Anticipated sewage volume - as determined by number of lots and
 810 development;

811 14. Effect on other properties;

812 15. Compliance with zoning, critical area development restrictions including the
 813 critical aquifer recharge area requirements under K.C.C. 21A.24.316, as amended, and
 814 other code requirements of the governing agency as applicable.

815 C. The minimum lot size requirement for creating subdivisions involving single-
 816 family residences or mobile home parks shall be determined by the soil type as outlined
 817 in Table 13.24-1.

818 **Table 13.24-1**
 819 **Minimum Land Area Requirement**
 820 **Single-Family Residence or**
 821 **Unit Volume of Sewage**

Type of Water Supply	Soil Type					
	1	2	3	4	5	6
Public Water System	0.5 acre	((12,500))) <u>13,000</u> sq. ft.	((15,000))) <u>16,000</u> sq. ft.	((18,000))) <u>19,000</u> sq. ft.	((20,000))) <u>21,000</u> sq. ft.	((22,000))) <u>23,000</u> sq. ft.
Individual/Private	5 acres	5 acres	5 acres	5 acres	5 acres	5 acres

Well*						
<u>Minimum</u>	<u>2,000 sq.</u>	<u>2,000 sq.</u>	<u>2,500 sq.</u>	<u>3,333 sq.</u>	<u>5,000 sq.</u>	<u>10,000</u>
<u>Usable Land</u>	<u>ft.</u>	<u>ft.</u>	<u>ft.</u>	<u>ft.</u>	<u>ft.</u>	<u>sq. ft.</u>
<u>Area</u>						

822 * Requirements for public wells may preclude use of private wells in certain
 823 instances. See RCW 19.27.097.

824 **NOTE: Well location and construction must be consistent with the King**
 825 **County Comprehensive Plan, as amended.**

826 SECTION 28. R&R 3, Part 3, Section 3, as amended, and BOH 13.24.030 are
 827 hereby amended to read as follows:

828 **Evaluation process.** The applicant for subdivision or short subdivision approval
 829 shall obtain the health officer's review of the development proposal in accordance with
 830 this section.

831 A. The applicant shall obtain the health officer's preapplication or preliminary
 832 review before submitting the development proposal to (~~DDES~~) DLS or other building
 833 official, as applicable, and shall include the following information in the application
 834 submittal:

- 835 1. A vicinity map providing precise directions to the parcel or parcels;
- 836 2. Signage or flagging at the identified entry point to the parcel or parcels;
- 837 3. Critical area review, including critical aquifer recharge area classification,
 838 with all buffers and setbacks shown on the plot plan;
- 839 4. A minimum of two soil logs per proposed lot shall be provided prior to
 840 department preliminary review. Such soil logs shall be excavated in accordance with the

841 requirements of BOH 13.28.050. The soil log or logs must clearly show that within the
842 lot area designated for the OSS the vertical separation specified in Table 13.28-1, and
843 minimum lot sizes specified in Table 13.24-1 are provided((-)); and

844 5. A scaled plot plan of the proposed subdivision depicting the land area
845 proposed for an initial on-site system and a contiguous one hundred percent (100%)
846 system reserve area and soil log locations. The plot plan shall also identify any wells,
847 surface water bodies and other features relevant to the siting of an on-site sewage system
848 on the proposed and adjacent parcels.

849 B. The applicant shall submit the following information to the health officer and
850 obtain the health officer's final approval of the development proposal:

851 1. A minimum of four soil logs per proposed lot shall be provided. Such soil
852 logs shall be excavated in accordance with BOH 13.28.050. Each soil log shall clearly
853 show that the vertical separation specified in Table 13.28-1 is provided((-));

854 2. A scaled plot plan identifying sufficient area for a drainfield and a contiguous
855 one hundred percent reserve area for each lot shall be submitted after road cuts have been
856 made, any plat development site grading affecting the OSS area completed, and drainage
857 plan completed. Such a plot plan shall also include any soil log locations, road cuts,
858 wells, surface water features, utility easements, storm and surface water retention and
859 disposal facilities and other features relevant to the design and installation of an OSS((-));

860 3. The applicant shall submit site designs for those proposed lots where the
861 health officer determines that it is unclear that there is sufficient area for an on-site
862 system and one hundred percent reserve area((-)); and

- 863 4. (~~(If existing homes are on any of the proposed lots then the applicant must~~
864 ~~demonstrate all of the following:~~
- 865 a. ~~the existing OSS is in substantial conformance with this title;~~
 - 866 b. ~~there is adequate reserve area available for repair or replacement of the~~
867 ~~system in accordance with this title; and~~
 - 868 c. ~~the continued operation of the system does not pose a threat to public health~~
869 ~~or groundwater quality)) For lots with existing homes, the health officer will review all
870 applications to determine the compatibility of the proposed subdivision or short
871 subdivision with the existing OSS. Factors that the health officer may consider include,
872 but are not limited to, the following:~~
- 873 a. location of SSAS in relation to foundation and existing improvements;
 - 874 b. size of SSAS in relation to proposed use;
 - 875 c. condition of the existing OSS;
 - 876 d. potential for reconstruction and repair of the existing on-site sewage
877 disposal system;
 - 878 e. ultimate purpose of the remodeling; and
 - 879 f. approved source of water.

880 SECTION 29. R&R 3, Part 3, Sections 1 and 4, as amended, and BOH 13.28.010
881 are hereby amended to read as follows:

882 **Application submittal, review, approval.**

883 A. Application for site design approval for a proposed new OSS installation,
884 repair or replacement of an existing failed soil absorption system, or modification,
885 connection to or expansion of an OSS shall be made on forms provided by the health

886 officer and be accompanied by 1. a plan review fee as set forth in the fee schedule and 2.
887 a plan that demonstrates that the standards required in this title are met.

888 B. Approval of plans shall expire (~~(two)~~) three years from date of approval unless
889 a valid building permit application has been accepted for review by the building official
890 for construction of the building for which the OSS has been designed. Upon expiration
891 of plan approval or building permit the applicant shall submit a complete new application
892 with fees for review and approval by the health officer.

893 C. After review of a site design application, the health officer may deny the
894 application if in the health officer's judgment the physical features of the property on
895 which it is proposed to locate the OSS, or the design of the proposed OSS, are not
896 adequate for effective operation of such a system.

897 D. Each site application denial or withdrawal of a previously issued approval
898 shall be in writing citing the reason or reasons and shall include a notice of the applicant's
899 right to appeal for reconsideration pursuant to this title.

900 SECTION 30. R&R 3, Part 4, Section 2, as amended, and BOH 13.28.020 are
901 hereby amended to read as follows:

902 **Design support materials.** Design of OSS shall be in accordance with this title
903 and shall accommodate all sewage from the buildings and premises to be served. The
904 type of system required shall be determined by a soil and site evaluation conducted by the
905 designer, which shall include location, soil type, vertical separation and other relevant
906 conditions. All design control (~~(panels)~~) points shall be located with the designated
907 drainfield areas and remain in place until the health officer has issued final approval for
908 the installed OSS.

- 909 A. The OSS site design application shall include the following:
- 910 1. A completed site design application form for the individual OSS that includes
- 911 the following information:
- 912 a. approximate address of property;
- 913 b. parcel number and legal description of property;
- 914 c. type and size of building the system will support;
- 915 d. name and address of property owner, applicant and system designer;
- 916 e. size of the parcel;
- 917 f. whether the property is within the urban area or rural area as designated by
- 918 the King County Comprehensive Plan; and, if located within the urban area, the distance
- 919 of the nearest property line to the closest public sewer line;
- 920 g. designation of an approved domestic water supply source;
- 921 h. type of development for which site design application is being made, for
- 922 example: single-family, multi-family or commercial; and type of permit, for example:
- 923 new installation((~~;~~)) or repair(~~(;~~ or limited repair)) of an existing OSS;
- 924 i. the presence of critical area or areas, including critical aquifer recharge
- 925 areas, to be delineated on the scaled plot plan;
- 926 j. date of testing;
- 927 k. original signature in blue ink and Washington state Department of Licensing
- 928 certificate of competency number of designer or professional engineer's registration
- 929 number; and
- 930 l. all other information requested on the site application for on-site sewage
- 931 disposal system form((~~;~~));

932 2. Results of a soil and site evaluation conducted by the designer. The designer
933 shall:

934 a. provide soil logs that accurately describe subsurface soil conditions present
935 within the primary and reserve soil absorption areas;

936 b. use soil and site evaluation procedures and terminology in accordance with
937 Chapter 3 and Appendix A of the Design Manual: On-Site Wastewater Treatment and
938 Disposal Systems, United States Environmental Protection Agency, EPA-625/1-80-012,
939 October, 1980 or as amended, except where modified by, or in conflict, with this title;

940 c. use the soil names and particle size limits of the United States Department of
941 Agriculture Soil Conservation Service classification system;

942 d. determine texture, structure, compaction and other soil characteristics that
943 affect the treatment and water movement potential of the soil by using either normal field
944 ~~((and/))~~or laboratory procedures, or both, such as particle size analysis;

945 e. classify the soil as in Table 13.28-3, Soil Textural Classification;

946 f. describe ground water conditions, including the date of the observation or
947 observations, and the probable maximum water table height;

948 g. describe existence of structurally deficient soils, such as slide zones and
949 dunes, or those soils subject to major wind or water erosion events;

950 h. describe the existence and location of critical areas, for example designated
951 flood plains and incorporate into design drawings; and

952 i. describe the location of any encumbrances affecting system placement, such
953 as:

954 (1) wells, other water sources and water supply lines;

- 955 (2) surface water and storm water infiltration areas;
956 (3) abandoned wells;
957 (4) outcrops of bedrock and restrictive layers;
958 (5) buildings;
959 (6) property lines and lines of easements;
960 (7) drainage structures such as footing drains, curtain drains, and drainage
961 ditches;
962 (8) cuts, banks, and fills;
963 (9) driveways and parking areas;
964 (10) existing OSS; and
965 (11) underground utilities((-));
- 966 3. A completely dimensioned overall parcel plot plan, drawn to a one inch
967 equals twenty feet scale, or the largest scale that will allow the parcel plot plan to be
968 presented on a single page, no smaller than eight and one-half by eleven inches and no
969 larger than eleven by seventeen inches, accurately showing:
- 970 a. site drainage characteristics including direction of surface drainage;
971 b. an arrow indicating north;
972 c. topographical contours at two foot intervals over the OSS area and all other
973 areas containing features relevant to the design and installation of an adequate and
974 efficient OSS;
975 d. maximum building footprints, wastewater tanks and primary and reserve
976 soil absorption system locations;

- 977 e. all locations of and routes to soil log excavations, with such locations and
978 routes clearly identified by appropriate signage or flagging on the property;
- 979 f. locations of and routes to potable water sources near property lines (drilled
980 wells within one hundred feet and all other sources within two hundred feet, and all well
981 heads, with such locations and routes clearly identified by appropriate signage or flagging
982 on the property;
- 983 g. location of property and easement lines;
- 984 h. location and description of design control point or points within the
985 designated drainfield area; and
- 986 i. the boundaries of the SSAS detail drawing((-));
- 987 4. Construction plans and specifications showing:
- 988 a. plumbing stub elevation; and
- 989 b. vertical section detail drawings depicting dimensions of wastewater tank
990 details to include minimum and maximum elevation of installation, maximum depth of
991 cover over tanks, acceptable seasonal groundwater table elevation at all tank locations,
992 and depth of required bedding material. For drainfields, minimum and maximum
993 drainfield width and depth, vertical separation and amount of cover material and
994 placement if any, and any other OSS components to be constructed at the site((-));
- 995 5. An SSAS detail drawing scaled one inch equals twenty feet (or one inch
996 equals thirty feet on larger lots) depicting design control point or points, the dimensions
997 and location of all components of the proposed primary and reserve systems including
998 trench widths, lengths and horizontal separations. If the location of the reserve area is at
999 an elevation above the outlet of the septic tank, the design shall include all tanks, dosing

1000 chambers and piping necessary to allow distribution of the effluent to the reserve area
1001 with a minimum of disruption to the original subsurface field and other property of the
1002 owner. The health officer may require the installation of the dosing chamber, pressure
1003 lines and distribution box/inspection box where the future access to the reserve area will
1004 be severely limited. Drawings may be submitted electronically in a format acceptable to
1005 and with the prior agreement of the health officer((-));

1006 6. Location of a pump tank controls in plain view of the pump tank shall be
1007 included on the design drawings.

1008 7. Construction details for and location of any proposed footing drains, curtain
1009 drains and interceptor drains((-));

1010 8. Calculations and observations supporting the proposed design, including:
1011 a. soil type; and
1012 b. hydraulic loading rate in the soil absorption component.

1013 9. An accurate vicinity location sketch and route map to the property, including
1014 written directions to the property from the last named street or road. Signage shall be
1015 displayed at the entrance to the property and include the names of the designer and
1016 applicant. A cleared and flagged route to the soil log and well site locations must be
1017 provided from the property entrance((-));

1018 10. Proof of availability of an approved domestic water supply source((-));

1019 11. One or more recorded easements describing the locations of all potable
1020 water lines connected to a well, spring, rain water catchment system, or water meter on
1021 the property and extending to service connections beyond the property boundary. The
1022 health officer may require each such easement to include, as applicable, provision for

1023 location of water storage reservoirs, well housing, pressure tanks, and any other facilities
1024 and equipment associated with the water source; and

1025 12. Such other information as the health officer may require.

1026 B. Additional requirements for an application for an OSS serving buildings other
1027 than or in addition to single-family residences:

1028 1. Information to establish that the sewage is not industrial wastewater;

1029 2. Information to establish that the sewage effluent applied to the infiltrative
1030 surface does not exceed typical residential effluent characteristics by providing waste
1031 strength characteristics and parameters;

1032 3. For all commercial developments not classified as community on-site
1033 systems, recorded covenants declaring that the owner or owners of the property or
1034 properties served by the OSS are responsible for the operation, monitoring, and
1035 maintenance of the OSS in accordance with this title; and

1036 4. Proof of a system operation monitoring and maintenance plan in accordance
1037 with requirements of BOH chapter 13.60.

1038 SECTION 31. R&R 3, Part 4, Section 3, as amended, and BOH 13.28.030 are
1039 hereby amended to read as follows:

1040 **General design requirements.**

1041 A. Collection systems will be designed to comply with criteria set forth in
1042 Criteria for Sewage Works Design, Washington state Department of Ecology, November
1043 2007 or as thereafter amended.

1044 B. (~~Maximum Slopes. 1.-~~) OSS shall not be allowed on slopes exceeding forty
1045 percent.

1046 ((2-)) On slopes exceeding thirty percent, the SSAS shall be pressure
1047 distribution and have a maximum SSAS trench width of two feet.

1048 C. SSAS reserve area or areas shall be designated equal to at least one hundred
1049 percent of the primary SSAS area. One or more areas may be designated as SSAS
1050 reserve areas. If more than one area is designated or if access is limited, at the discretion
1051 of the health officer the reserve system may be required to be installed along with the
1052 primary SSAS. At least two soil log excavations shall be installed in each designated
1053 reserve area. Construction plans for the SSAS reserve area may be required by the health
1054 officer.

1055 D. OSS for lots created after July 1, 1984, shall be located on the same lot as the
1056 buildings they are designed to serve. Any existing OSS which is failing and for which
1057 there is insufficient area on the lot to repair the system may be replaced by an OSS
1058 located off-site provided proof of easements is submitted to the health officer. Proof of
1059 lot creation date must be provided when requesting use of a drainfield easement for new
1060 construction. All drainfield easements shall be surveyed and permanently marked, and
1061 the soils within the easements protected against disturbance. Approval shall be subject to
1062 such additional conditions as deemed necessary by the health officer to protect public
1063 health.

1064 E. Any application for site design approval for OSS in a critical area shall include
1065 documentation from the applicable jurisdictional authority indicating critical area review
1066 has been completed. All critical areas and their buffers shall be identified and drawn to
1067 scale on the design drawing submittals. OSS shall not be located on landforms that are
1068 unstable.

1069 F. Where any type of drain is to be installed for the purpose of intercepting
1070 subsurface water and channeling, concentrating, focusing or directing its flow onto a
1071 downstream property not under the ownership or agency of the applicant or King County,
1072 a release of damages holding King County and its employees harmless for any
1073 subsequent erosion or loss or limitation of use of such property must be executed and
1074 filed with the King County records and elections division and which shall run with the
1075 land, prior to approval of any site application.

1076 G. All types of drains installed for the purpose of affecting vertical separation
1077 shall be verified as effective during the winter water table season as outlined in BOH
1078 13.28.060.C.

1079 H. No downspout or footing drain shall be directly or indirectly connected to an
1080 OSS and the OSS shall be so constructed and installed that surface water or groundwater
1081 will not interfere with the operation of the system.

1082 I. Seepage pits shall not be used for the disposal of septic tank effluent.

1083 J. The installation and use of cesspools and pit privies for disposal of sewage is
1084 not permitted.

1085 K. When grease traps are used, the design and installation will comply with
1086 criteria set forth in the Uniform Plumbing Code, ((2006)) 2021 Edition, International
1087 Association of Plumbing and Mechanical Officials, as amended. In addition the design
1088 application shall include a grease trap maintenance schedule.

1089 L. When siphon systems are used, they shall comply with Recommended
1090 Standards and Guidance for Pressure Distribution Systems, Washington State Department
1091 of Health, July 1, 2007.

1092 M. The connection of an accessory dwelling unit as defined under K.C.C. Title
1093 21A or accessory living quarters as defined in this title to an OSS ((is)) designed for or in
1094 use by a single-family residence or commercial structure may be permitted provided that
1095 public health and groundwater quality are not affected, and the OSS is designed for the
1096 anticipated increased flow. For the purposes of this title, including the determination of
1097 required absorption areas, loading rates, and minimum capacities for septic tanks, each
1098 bedroom in an accessory dwelling unit or accessory living quarter shall be included in the
1099 total number of bedrooms to be served by the OSS in addition to the bedrooms in the
1100 primary residence. An accessory dwelling unit or accessory living quarter with no
1101 bedroom shall be deemed equivalent to one bedroom within the single-family primary
1102 residence associated with the accessory dwelling unit or accessory living quarter. In
1103 medical hardship cases as described in K.C.C. 21A.32.170, the health officer may allow
1104 the temporary connection of a mobile home or temporary dwelling to an existing OSS
1105 designed only for a single-family residence provided that neither public health nor
1106 groundwater quality are negatively affected.

1107 N. Pump lines shall be installed at a depth which precludes disruption or damage
1108 by installation of other utilities or freezing.

1109 O. No part of an OSS shall be constructed in the ((zero-rise)) FEMA floodway of
1110 a flood hazard area as described by K.C.C. Title 21A. New OSS to serve new
1111 subdivisions shall be located outside the limits of a flood hazard area. The installation of
1112 new OSS within the flood fringe area of the one-hundred-year flood plain, as determined
1113 by ((DES)) DLS or the local building official, may be allowed if the applicant
1114 demonstrates that:

- 1115 1. The proposed building parcel is an existing legal building site;
1116 2. No feasible alternative site outside the flood hazard area is available;
1117 3. Wastewater tanks and electrical components will be flood-proofed to the
1118 flood protection elevation;
1119 4. A conforming subsurface soil absorption system can be installed; and
1120 5. ((~~DDES~~) DLS) or the local building official permits the development which
1121 is proposed to be served by the OSS.

1122 P. No part of a SSAS including the drainrock shall be located in fill material or
1123 disturbed soils.

1124 Q. SSAS shall be constructed with observation ports terminating within utility
1125 boxes adjustable to final grade over the ends of the drainfield pipes, or other methods of
1126 drainfield detection approved by the health officer to aid in the future locating of these
1127 components.

1128 R. OSS shall not be permitted where a minimum vertical separation of three feet
1129 of permeable soil below the infiltrative surface cannot be maintained except as provided
1130 in Table 13.28-1. The health officer may require greater vertical separation as needed to
1131 protect public health when the aquifer is used for a potable water supply.

1132 **Table 13.28-1**

1133 **Minimum Treatment Level, Bacteria Level, and Effluent Distribution Method**
1134 **Required by Various Soil Types, Vertical Separation, and Original Soil Depth**
1135 **Conditions**

Vertical	
-----------------	--

Separation (in inches)	Soil Type			
	1	2	3-4	5-6 ³
	<u>Minimum Treatment Level, Bacteria Level, and Effluent Distribution Method</u>			
<u>12<18</u> ^{1,2}	<u>A & BL1</u> - pressure with timed dosing	<u>B & BL2</u> - pressure with timed dosing	<u>B & BL2</u> - pressure with timed dosing	<u>B & BL2</u> - pressure with timed dosing
((>18<24)) <u>>18<24</u>	<u>B & BL2</u> - pressure with timed dosing	<u>B & BL2</u> - pressure with timed dosing	<u>B & BL2</u> - pressure with timed dosing	<u>B & BL2</u> - pressure with timed dosing
((>24<36)) <u>>24<36</u>	<u>B & BL2</u> - pressure with timed dosing	<u>C & BL3</u> - pressure with timed dosing	E-pressure with timed dosing	E-pressure with timed dosing
((>36<60)) <u>>36<60</u>	<u>B & BL2</u> - pressure with timed dosing	E-pressure with timed dosing	E-((pressure with timed dosing))gravity	E-((pressure with timed dosing))gravity
((>)) ≥60	<u>C & BL2</u> - pressure with timed dosing	E-gravity	E-gravity	E-((pressure with timed dosing))gravity

1136 **Table 13.28-1 Explanatory Notes**

1137 1. Except as provided in footnote 2, the minimum required original,

1138 undisturbed, permeable soil depth is eighteen inches.

1139 2. For existing lots of record where the original undisturbed soil depth above a
1140 restrictive layer is between 12 and 18 inches the following is required:

1141 a. Minimum lot size is 5 acres. Any lot area placed into a separate sensitive
1142 area protection tract in accordance with King County Code Section 21A.24.180 may also
1143 be included in the computation of the minimum five (5) acre lot size required by this
1144 section.

1145 b. The owner shall file a covenant with the King County records and elections
1146 division agreeing not to subdivide the parcel utilizing the OSS to less than 5 acres until
1147 public sewer service is provided.

1148 c. A water table study shall be conducted during a time of high seasonal water
1149 table to establish available soil depth.

1150 d. A system meeting treatment level A, or two treatment level B systems in
1151 combination meeting treatment level A without the use of disinfection, such as a mound
1152 preceded by an intermittent sandfilter, shall be used.

1153 3. SSAS in soil type 6 must utilize pressure distribution with timed dosing.

1154 S. Disinfection may not be used:

1155 1. To achieve ~~((the fecal coliform requirements to meet treatment levels A or B~~
1156 ~~in Type 1 soils; or treatment level C))~~ BL1 or BL2 in Type 1 soils; or

1157 2. To achieve BL3; or

1158 3. On lots with less than eighteen inches of soil; or

1159 ~~((3-))~~ 4. In a critical aquifer recharge area.

1160 T. The coarsest textured soil within the vertical separation selected determines
1161 the minimum treatment level and method of distribution.

1162 U. Based upon the treatment capacity and design flow the designer of an OSS
1163 shall establish the operational capacity of the system. This information shall be included
1164 with the design application and record drawing submission.

1165 V. Any reduction in horizontal separation for a pressure sewer line crossing a
1166 surface water source shall meet the requirements of the publication, Granting Waivers
1167 from State On-site Sewage System Regulations, chapter 246-272A WAC, as amended,
1168 published by the Washington state Department of Health.

1169 W. All OSS must comply with the applicable treatment levels contained in Table
1170 13.28-1 and applicable setbacks contained in Table 13.28-2; though the health officer
1171 may grant any setback reduction authorized under Table 13.28-2 only in response to a
1172 written request for such reduction from the designer of record if the request includes all
1173 reasons for the proposed reduction and describes all mitigation measures required under
1174 this title or as may be required by the health officer in the exercise of reasonable
1175 discretion for the protection of the public health.

1176 X. In preparing any OSS site design application, the designer shall consider:

- 1177 1. CBOD5, TSS and O and G;
- 1178 2. Other parameters that can adversely affect treatment anywhere along the
1179 treatment sequence. Examples include pH, temperature and dissolved oxygen;
- 1180 3. The sensitivity of the site where the OSS will be installed, such as shellfish
1181 growing areas, designated swimming areas, and other areas identified in the management
1182 plan.

1183 Y. ~~((Nitrogen contributions, where nitrogen has been identified as a contaminant
1184 of concern by the management plan, shall be addressed through either lot size or~~

1185 ~~treatment, or both.))~~ The applicant for development in a critical aquifer recharge area
1186 shall include, in the application, evidence of compliance with K.C.C. 21A.24.316, as
1187 amended, including evidence of compliance with the critical aquifer recharge area
1188 requirements.

1189 Z. Design and installation of OSS with electrical components shall include a
1190 readily accessible control panel exterior to the structure served by the OSS and meeting
1191 the following standards:

1192 1. Located in an external location between three and five feet in elevation above
1193 finished grade, meeting state of Washington Department of Labor and Industry's
1194 electrical safety requirements;

1195 2. Includes an electrical power control switch to enable power shutoff to the
1196 OSS for maintenance or repair without the need for access to any circuit breaker panels
1197 or other power controls within the structure served by the OSS;

1198 3. Connected to dedicated electrical circuits with the alarm and pump circuits
1199 independent of one another;

1200 4. Contains audible and visual alarms to alert the owner or occupant of a system
1201 deficiency or malfunction; and

1202 5. Includes a remote notification device for the alarm system when the OSS
1203 alarm notification device is located over 100 feet from the building it serves, such as an
1204 auto-dialer or telemetry notification system, to notify the respective monitoring and
1205 maintenance service provider or the property owner or occupant of alarm events.

Table 13.28-2

Minimum Horizontal Separations

1208

(Setbacks)

	MEASURE FROM		
Items Requiring Setback	Edge of soil dispersal component trench or reserve area	Septic tank, holding tank, containment vessel, pump chamber, and distribution box	Building sewer, collection, and nonperforated distribution line ¹
Potable Water Source ²			
-- Private well	100 ft.	100 ft.	100 ft.
-- Public drinking water well	100 ft.	100 ft.	100 ft.
-- Drinking water spring/dug well ³	200 ft.	200 ft.	200 ft.
<u>Non-potable water source</u> ²	<u>100 ft</u>	<u>100 ft</u>	<u>100 ft</u>
Pressurized water supply line ⁴	10 ft.	10 ft.	10 ft.
Properly decommissioned well ⁵	10 ft.	10 ft.	N/A
Surface water ^{2, 6, 7}	100ft.	50 ft.	10 ft.
Seasonal water ^{2, 7}	30 ft.	15 ft.	

Swimming Pools			
A. Down-gradient ⁸	A. 15ft + height of the cut. Need not exceed 30 ft.	5 ft.	2 ft.
B. Up-gradient ⁸	B. 10 ft.	5 ft.	2 ft.
C. If underdrains are present, either down-gradient or up-gradient	C. 30 ft.	N/A	N/A
Building foundation:			
A. Down-gradient ⁸	A. 15 ft. + height of foundation cut. Need not exceed 30 ft. ^{8,9}	5 ft.	2 ft.
B. Up-gradient ⁸	B. 10 ft.	5 ft.	2 ft.
Property or easement line	10 ft. ^{10,11}	5 ft.	N/A
Decks (first floor) with post and pier supports	5 ft.	5 ft.	N/A ¹⁵
Decks – post and block (2nd Floor at least 6 ft. high)	2 ft. Outside a line from any pier supports	Not under any pier supports	N/A
Decks Cantilevered (at least 6 ft. high)	0 ft.	0 ft.	N/A

Septic tanks, pump tanks, treatment tanks, sandfilter containment vessels			
A. Down-gradient ⁸	A. 15 ft. + height of excavation. Need not exceed 30 ft. ⁹	N/A	N/A
B. Up-gradient ⁸	B. 5 ft.		
Interceptor/curtain drains/footing drains.			
-- Down-gradient ⁸	30 ft.	5 ft.	N/A
-- Up-gradient ⁸	10 ft.	N/A	N/A
<u>Lined¹⁶ stormwater detention pond¹⁷</u>			
-- <u>Down-gradient</u>	<u>100 ft¹⁸</u>	<u>N/A</u>	<u>N/A</u>
-- <u>Up-gradient</u>	<u>100 ft¹⁹</u>	<u>N/A</u>	<u>N/A</u>
<u>Unlined¹⁶ stormwater infiltration pond¹⁷</u>	<u>100 ft.</u>	<u>50 ft.</u>	<u>10 ft.</u>
<u>Irrigation canal or irrigation pond¹⁷</u>	<u>100 ft.</u>	<u>50 ft.</u>	<u>10 ft.</u>
<u>Subsurface stormwater</u>			

<u>infiltration or dispersion component</u> ¹⁷			
-- <u>Down-gradient</u>	<u>100 ft</u> ¹⁸	<u>10 ft.</u>	<u>N/A</u>
-- <u>Up-gradient</u>	<u>100 ft</u> ¹⁸	<u>10 ft.</u>	<u>N/A</u>
((Infiltration and Dispersion Trenches			
A. Down gradient	30 ft.	10 ft.	5 ft.
B. Up gradient	100 ft. ¹⁴	30 ft.	5 ft.))
Down-gradient cuts or banks 5 ft. or less in vertical height	15 ft. + height of bank ^{9, 13}		
Down-gradient cuts or banks greater than 5 ft. in vertical height with at least 5 ft of original, undisturbed soil above a restrictive layer due to a structural or textural change ⁸	15 ft. + height of bank but shall not be less than 25 ft. ^{9, 12}	N/A	N/A
Down-gradient cuts or banks greater than 5 ft.	15 ft. + height of bank but shall not be less	N/A	N/A

<p>in vertical height with less than 5 ft. of original, undisturbed soil above a restrictive layer due to a structural or textural change ⁸</p>	<p>than 25 ft. ¹²</p>		
--	----------------------------------	--	--

1209

Table 13.28-2 Explanatory Notes

1210

1. "Building sewer" as defined by the most current edition of the Uniform Plumbing

1211

Code. "Nonperforated distribution" also includes pressure sewer transport lines.

1212

2. With excessively permeable soils or other sites where conditions indicate a greater

1213

potential for ground or surface water contamination or pollution such as unconfined

1214

aquifers, shallow or saturated soils, dug wells, and improperly abandoned wells, the

1215

distance from any water supply or surface water may be increased by the health officer.

1216

3. Setbacks from private or public springs and from shallow wells without intact casings or those wells

1217

which are not constructed in accordance with chapter 173-160 WAC and are utilized as a source of

1218

drinking water shall comply with BOH 13.04.070.C.

1219

4. The health officer may approve a sewer transport line crossing a water supply line (~~if the sewer~~

1220

~~line~~) when there is no other reasonable means to keep them from crossing and if the sewer line is

1221

constructed(+) in accordance with Section 2.4 of the Department of Ecology's Criteria for Sewage Works

1222

Design, revised November 2007 or equivalent.

1223

5. Before any component may be placed within one hundred feet of a well, the designer shall submit a

1224

"decommissioned water well report" completed by a licensed well driller, which verifies that appropriate

1225

decommissioning procedures noted in chapter 173-160 WAC were followed.

1226

6. Setback measured from ordinary high water mark of surface water. Greater setback may be required

1227

to prevent pollution. The health officer will state reasons for greater setback to applicant in writing.

1228 7. This separation may not be reduced by culverting of streams without prior written approval for the
1229 culverting from King County or applicable building official, but in no case shall this separation be less than
1230 fifteen feet plus the height of the excavation which contains the culvert. Need not exceed thirty feet.

1231 8. The item is down-gradient when liquid will flow toward it upon encountering a water table or a
1232 restrictive layer. The item is up-gradient when liquid will flow away from it upon encountering a water
1233 table or restrictive layer.

1234 9. May be reduced to ten feet by the health officer when bottom of infiltrative surface is downgradient
1235 from the base of the foundation cut or wastewater tank excavation, or there is at least five feet of original
1236 undisturbed unsaturated soil above a restrictive layer formed due to a structural or textural change.

1237 10. May be reduced five feet by the health officer in repairs to existing systems, in setbacks to
1238 easements or where a confirmed property line is up-gradient from the soil absorption component. A survey
1239 may be required by the health officer to ensure compliance with setback requirements.

1240 11. This distance may be increased to thirty feet by the health officer where cuts or construction on
1241 neighboring properties may affect the system.

1242 12. Need not exceed one hundred feet.

1243 13. May be reduced to ten feet when the bottom of the infiltrative surface is below the base of the cut
1244 or bank and no restrictive layer or layer formed due to a structural or textural change is intersected or there
1245 is at least five feet of original, undisturbed soil above a restrictive layer or layer due to a structural change.

1246 14. The health officer may reduce this setback to thirty feet if the soil depth is four feet or greater and
1247 is soil type 1, 2 or 3.

1248 15. Any sewer clean-out shall be accessible for OSS maintenance or repair.

1249 16. "Lined" means any component that has the intended function of detaining the
1250 stormwater with no intention of dispersal into surrounding soil.

1251 17. Infiltration or discharge from stormwater management facilities must be located
1252 downgradient of the primary and reserve drainfield areas unless the site design
1253 application submitted to the health officer clearly demonstrates that site topography

1254 prevents discharged flows from stormwater management facilities from intersecting
1255 the OSS drainfield and the design is consistent with local stormwater management
1256 authority rules and policies.

1257 18. The health officer may reduce this setback to not less than 30 feet upon finding
1258 that the OSS site design application clearly demonstrates that the setback reduction
1259 presents no increased risk of effluent from the OSS entering any component of a
1260 stormwater management system.

1261 19. The health officer may reduce this setback to not less than 10 feet upon finding
1262 that the OSS site design application clearly demonstrates that the setback reduction
1263 presents no increased risk of effluent from the OSS entering any component of a
1264 stormwater management system.

1265 SECTION 32. R&R 3, Part 4, Section 7, as amended, and BOH 13.28.070 are
1266 hereby amended to read as follows:

1267 **Required absorption area.**

1268 A. Single-family dwellings.

1269 1. For design purposes a minimum design flow of one hundred fifty gallons((/))
1270 per bedroom((/)) per day shall be utilized in determining unit volume with a minimum of
1271 three bedrooms.

1272 2. For each additional bedroom OSS designs must use at least an additional one
1273 hundred ((~~twenty~~)) fifty gallons((/)) per bedroom((/)) per day.

1274 3. For single-family residences with additional accessory dwelling units or
1275 accessory living quarters served by the same OSS, the minimum design flow for each
1276 additional dwelling is one hundred fifty gallons per bedroom per day.

1277 4. For accessory dwelling units or accessory living quarters served by their own
 1278 OSS not connected to the OSS serving the primary single-family residence, a minimum
 1279 design flow of one hundred fifty gallons per bedroom per day shall be utilized in
 1280 determining unit volume with a minimum of two bedrooms.

1281 5. Loading rates shall be determined according to soil texture type as outlined in
 1282 Table 13.28-4. The finest textured soil in the selected vertical separation establishes the
 1283 loading rate.

1284 **Table 13.28-4**

1285 **Maximum Hydraulic Loading Rate for Residential Sewage¹**

Soil Type	Soil Textural Classification Description	Loading Rate for Residential Effluent Using Gravity or Pressure Distribution (gal./sq.ft./day)⁵
1	Gravelly and very gravelly ² coarse sands, all extremely gravelly ³ soils excluding Soil types 5 & 6, all soil type with greater than or equal to 90% rock fragments	1.0 ⁴
2	Coarse sands	1.0
3	Medium sands, loamy coarse sands, loamy medium sands.	0.8

4	Fine sands, loamy fine sands, sandy loams, loams.	0.6 ⁶
5	Very fine sands, loamy very fine sands; or silt loams, sandy clay loams, clay loams and silty clay loams with a moderate structure or strong structure (excluding a platy structure).	0.4 ⁶
6	Other silt loams, sandy clay loams, clay loams, silty clay loams.	0.2 ^{6,7}
7	Sandy clay, silty clay and strongly cemented firm soils, soil with a moderate or strong platy structure, any soil with a massive structure, any soil with appreciable amounts of expanding clays	Not suitable

Table 13.28-4 Explanatory Notes

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1. Compacted soils, cemented soils, and/or poor soil structure may require a reduction of the loading rate or render the soil unsuitable for OSS.
2. Very Gravelly = >35% and 60% gravel and coarse fragments, by volume.
3. Extremely Gravelly = >60% gravel and coarse fragments, by volume.
4. Due to the highly permeable nature of type 1 soil, only systems (~~which~~) that meet or exceed the treatment levels required in Table 13.28-1 may be installed.
5. The loading rate listed for the soil type present in the nongravel portion is to be used for calculating the minimum absorption area required. The value is to be determined from this table.
6. OSS installed in soil texture type 4, type 5₁ or type 6 shall be constructed during dry weather (defined as at least two consecutive weeks without appreciable

1298 rainfall) and dry soil conditions to minimize compaction and smearing during excavation,
1299 as verified at the site.

1300 7. SSAS in soil type 6 must utilize pressure distribution.

1301 B. Buildings other than single-family residences.

1302 1. Soil dispersal components having daily design flow between one thousand
1303 and three thousand five hundred gallons of sewage per day shall:

1304 a. be located only on soil types 1 through 5;

1305 b. be located only on slopes of less than thirty percent, or seventeen degrees;

1306 and

1307 c. have pressure distribution and timed dosing.

1308 2. Schools with OSS and who use laboratories and shop facilities shall have
1309 plumbing drains for these facilities directed to holding tanks separate from the common
1310 wastewater drains to the OSS.

1311 3. For OSS treating sewage from a nonresidential source, the designer shall
1312 provide the following:

1313 a. information showing that none of the chemicals or other materials listed in
1314 BOH 13.04.058 will be introduced into the OSS; and

1315 b. a site-specific design providing the treatment level equal to or greater than
1316 the treatment level required of sewage from a residential source.

1317 4. The owner of an OSS for a commercial development not classified as a
1318 community on-site system shall file a covenant declaring that the owner is responsible for
1319 the operation, monitoring, and maintenance of the OSS in accordance with this title.

1320 5. Required absorption area must be determined by using one of the following
 1321 methods:

1322 a. by using the figures given in Table 13.28-5, or the Onsite Wastewater
 1323 Treatment Systems Manual, EPA/625/R-00/008, as amended, then using the appropriate
 1324 application rate from Table 13.28-4; or

1325 b. by determining average water meter readings for one year from at least three
 1326 similar establishments and adding a minimum safety factor of fifty percent. Both
 1327 operating capacity and surge capacity must be determined.

1328 6. The minimum SSAS area must be not less than two hundred square feet.

1329 **Table 13.28-5**

Type of Establishment¹	Gallons Per Person Per Day
Multiple Family Dwelling (per person – 2 per bedroom – Minimum of 2 bedrooms per unit)	75
Factories, office buildings, etc. (add 100 gallons/day for each utility sink per shift; food establishment not included)	20
Food Establishments – with food preparation	50 (gallons per seat)
Taverns – no food preparation (estimate patrons per day and add 15 gallons/employee)	5

Mobile Home Parks (figure minimum 3 bedrooms, 2 people per bedroom)	75
Resort Camps	50
Work or Construction Camps	50
Day Camps (no meals served)	15
Swimming Pools and Bathhouse (sanitary facilities only)	15
Country Clubs (per member present, add 15 gallons/day per employee)	130
Motels with kitchen (figure 2 persons per bed space)	50
Motels (figure 2 persons per bed space)	40
Theaters (per auditorium seat)	5
Airports (per passenger)	5
Retail Stores (per toilet room for customer use)	650
Retail Stores (per employee per shift – add 100 gallons/day for each utility sink)	15
Service Stations (per vehicle served)	15
Churches without kitchen (seating capacity)	5
Churches with kitchen (seating capacity)	15
Recreational Vehicle Parks (without sewer and water hookups – with central toilets and showers – per space)	50
Recreational Vehicle Parks (with sewer and water hookups – with central toilets and showers – per space)	100

Boarding Houses (per person)	50
Campgrounds (with central comfort station – with flush toilets and showers – per space)	50
Campground (with central comfort station – without showers – per space)	25
Picnic Parks (flush toilets only – per person)	5
Picnic Parks (with flush toilets – bathhouse and showers – per person)	10
<p>For uses not listed in this table, the upper range values in Onsite Wastewater Treatment Systems Manual, February 2002, EPA/625/R-00/008, as amended, United States Environmental Protection Agency, shall be used. If the type of facility is not listed in the EPA design manual, design flows from one of the following shall be used:</p> <p style="padding-left: 40px;">(A) Design Standards for Large On-site Sewage Systems, 1993, Washington State Department of Health (available upon request to the department); or</p> <p style="padding-left: 40px;">(B) Criteria for Sewage Works Design, revised November 2007, Washington State Department of Ecology (available online).</p>	

1330 ¹For buildings other than single-family residences the requirements of Section

1331 13.28.020(B) shall be met.

1332 SECTION 33. R&R 3, Part 5, Section 2(A), as amended, and BOH 13.36.010 are

1333 hereby amended to read as follows:

1334 **Design standards.**

1335 A. No septic tank, effluent pump tank, sewage holding tank, grease trap or any
1336 other sewage tank may be installed in King County unless:

1337 1. The tank is included on the DOH publication, List of Approved On-site
1338 Sewage Tanks;

1339 2. The tank conforms to the DOH publication, Recommended Standards and
1340 Guidance for Performance, Application, Design, Construction, Installation and Testing
1341 On-site Sewage System Tanks, July 1, 2007, as amended; and

1342 3. The health officer has approved plans for the tank installation. Such plans
1343 shall show all dimensions, reinforcing, structural details and other pertinent data as
1344 required by the health officer. Upon approval by the health officer, the plans will be
1345 assigned an official number.

1346 B. ~~((Tanks made of materials other than concrete shall be approved by the
1347 secretary prior to approval by the health officer.~~

1348 C.)) No pre-cast wastewater tank may be installed except those which are
1349 included on the registered list and have been clearly and legibly marked on the upper
1350 surface of the lid showing the number assigned by the health officer, name of the
1351 manufacturer, tank model number, tank capacity in gallons and date of manufacture.

1352 ~~((D.))~~ C. No metal septic tanks shall be installed in areas under the jurisdiction of
1353 the department.

1354 ~~((E.))~~ D. All septic tanks, whether they are installed or used singly, in series or in
1355 a divided system, must be designed according to waste load and in no case shall have a
1356 total capacity of less than one thousand five hundred gallons, except by written
1357 permission of the health officer.

1358

Minimum Capacities for

1359

Single-Family Residence Septic Tanks

Number of Bedrooms	Minimum Liquid Capacity Below Outlet Invert (Gallons)
4 or less	1500
Each additional bedroom, add	250
Garbage grinder installed, add ¹	250

1360

1. Use of garbage grinders increases settleable and floatable solids accumulations in the
 1361 septic tank, increases wastewater strength and thus increases the potential for system
 1362 failure especially if frequent and regular tank monitoring and maintenance is not
 1363 performed. Therefore, use of garbage grinders is not recommended (See Section
 1364 13.60.005(a)(3)).

1365

~~((F-))~~ E. No septic tank with a compartment smaller than two hundred fifty
 1366 gallons liquid capacity may be installed.

1367

~~((G-))~~ E. A septic tank designed to service any facility except a single-family
 1368 residence or multiple family housing shall have a liquid capacity at least equal to three
 1369 times the projected design flow, with a minimum of one thousand five hundred gallons.

1370

Septic tanks serving multiple family housing shall have a minimum liquid capacity equal
 1371 to two times the projected design flow but not less than one thousand five hundred
 1372 gallons.

1373 ~~((H.))~~ G. All septic tanks or combinations of tanks installed shall provide at least
1374 two compartments. No wastewater tanks may be joined below the normal inverts unless
1375 otherwise preapproved by the health officer.

1376 ~~((H.))~~ H. When multi-compartment tanks or two or more tanks in series are used,
1377 the first compartment or tank shall have a liquid capacity of two-thirds to three quarters
1378 of total required liquid capacity.

1379 ~~((I.))~~ I. The minimum liquid capacity of a tank receiving intermittent use shall be
1380 determined from the maximum expected daily waste load, but shall in no case be less
1381 than one thousand five hundred gallons.

1382 ~~((K.))~~ J. The plan review fee shall be as specified in the fee schedule, payable at
1383 the time of initial plan submission. In addition to the initial plan review fee, a revision
1384 review fee shall be assessed as specified in the fee schedule, payable at the time of
1385 completion of the plan review, for review of any resubmissions, corrections, or additions
1386 required.

1387 SECTION 34. R&R 3, Part 5, Section 3(C), and BOH 13.40.030, are hereby
1388 amended to read as follows:

1389 **Size requirement.** The dosing tank shall be of sufficient size so as to provide the
1390 total volume required (~~((one day's total dosing gallonage plus one day's estimated waste~~
1391 ~~volume but))~~ for two days of the design flow and shall not be less than one thousand five
1392 hundred gallons.

1393 SECTION 35. R&R 3, Part 5, Section 5, and BOH 13.48.010 are hereby
1394 amended to read as follows:

1395 **Specifications.**

1396 A. No OSS may be constructed unless there has first been a soil evaluation for
1397 the site completed in the manner described in BOH 13.28.050 to determine type, size and
1398 location of the OSS. SSAS design and construction shall be in accordance with the
1399 following:

1400 1. Maximum bottom width of trenches shall be twenty-four inches except a
1401 maximum width of up to thirty-six inches may be allowed provided that:

1402 a. for soil types 1 through 4 the SSAS is at least pressure distribution in
1403 accordance with BOH 13.48.060 (pressure distribution systems); and

1404 b. for soil types 5 and 6 the effluent shall meet the next higher treatment level
1405 as indicated in table 13.28-1 unless treatment level B is already required prior to
1406 discharge to the SSAS; and c. the slope does not exceed thirty percent.

1407 2. Beds are allowed only in excessively permeable soils consisting of very
1408 gravelly coarse sands or coarser, extremely gravelly soils. SSAS installed in beds must
1409 be pressure distribution and meet treatment level B or greater.

1410 3. The maximum depth of soil cover over the top of SSAS drainrock shall not
1411 exceed twenty-four inches except by written permission of the health officer. The
1412 infiltrative surface or bottom of the drainfield shall not be deeper than thirty-six inches
1413 below the finished grade.

1414 4. The minimum depth of soil cover over drainrock shall not be less than twelve
1415 inches unless otherwise authorized by the health officer.

1416 5. Minimum depth of drainrock under drainfield lines shall not be less than six
1417 inches.

1418 6. The amount of drainrock over drainfield lines shall not be less than two
1419 inches.

1420 7. Drainrock shall be clean, washed, uniformly graded, nondeteriorating gravel,
1421 size (~~((three eighths inches to seven eighths inches or three quarters inches to one and-))~~)
1422 three-fourths of an inch to two and one-half inches with no visible fine particles adhering
1423 to gravel surfaces and with the percent by weight passing the U.S. No. 200 sieve not
1424 greater than 0.5 percent.

1425 8. Minimum separation between drainfield trench side walls shall not be less
1426 than four feet of undisturbed soil (~~((for soil texture types 1, 2, and 3 and shall not be less~~
1427 ~~than six feet for soil texture type 4, 5 and 6)).~~

1428 9. Individual laterals greater than one hundred feet in length must use pressure
1429 distribution.

1430 10. No gravelless drainfield system may be installed unless it satisfies the
1431 requirements of BOH 13.52.054.

1432 11. The designer shall specify, in the OSS design, the SSAS cover material to be
1433 used and shall verify, in the record drawing, that the cover material used conforms with
1434 the design specifications.

1435 B. Horizontal separations shall be maintained in accordance with BOH
1436 13.28.030W and Table 13.28- 2.

1437 C. No drainfield pipes shall be installed unless all fittings are rigidly joined
1438 together in accordance with the pipe manufacturer's directions.

1439 D. Approved rigid drainfield pipe, such as PVC, shall be used, but only if stakes
1440 are placed in the trench center at not more than five-foot intervals to maintain grade and a

1441 transit level laser or equally accurate instrument shall be used to assure that proper grade
1442 is maintained.

1443 E. No drainfield shall be installed that requires a change in grade and earth cover
1444 unless terracing is accomplished by the use of a suitable plastic or concrete drop box or
1445 by use of rigid plastic pipe with glued joints (overflow stepdown). Such installation shall
1446 have an earth dam twenty-four inches thick preceding terracing. Earth dams shall consist
1447 of original undisturbed soil.

1448 F. Not less than one drainfield trench monitoring port of at least four inches in
1449 diameter, which is anchored, with an easily removable cover that extends to finished
1450 grade, shall be installed down to the infiltrative surface in each drainfield lateral.

1451 G. No OSS shall be installed unless the pipe lines between the building and the
1452 septic tank, the septic tank and the distribution box, under paved areas, and within ten
1453 feet of any buildings, shall be constructed of plastic, or cast-iron pipe laid with watertight
1454 joints. The pipe materials shall conform to material specifications of the Uniform
1455 Plumbing Code.

1456 H. No drainfield shall be installed that, after installation of the gravel over the
1457 pipe, is not then covered with a geotextile barrier material that meets the specifications of
1458 Section 5, Design Standards for Large On-site Sewage Systems, December 1993,
1459 amended July 1994, Washington State Department of Health, as amended.

1460 I. No drainfield shall be installed under driveways, roadways, parking areas,
1461 paved areas or under areas subject to compaction by vehicular traffic.

1462 J. Pipe used for construction of gravity drainfield lines shall be a minimum of
1463 four inches inside diameter and constructed of rigid materials conforming with ASTM
1464 F481-02, as amended.

1465 K. Pipe used for construction of tightline must comply with the current Uniform
1466 Plumbing Code.

1467 L. SSAS shall be installed in undisturbed native soil. Trees or tree stumps greater
1468 than eighteen inches in diameter, when measured two feet above grade, shall be left
1469 standing, cut at ground level, burned in place, or managed by other methods acceptable to
1470 the health officer that will avoid disturbing the soil.

1471 SECTION 36. R&R 3, Part 6, Section 1, as amended, and BOH 13.52.010 are
1472 hereby amended to read as follows:

1473 **Holding tanks.**

1474 A. Sewage holding tanks may be permitted only for controlled, nonresidential
1475 usage or as an interim method to handle emergency situations or to correct existing
1476 problem systems; provided, that an on-site system management program satisfactory to
1477 the health officer has been established to assure on-going operation and maintenance.

1478 B. ~~((In addition, t))~~ The applicant ((must)) for a holding tank shall provide a no-
1479 protest agreement with the sewerage authority or a signed petition supporting formation
1480 of a ULID if the property is within a sewer service area.

1481 C. ~~((Design plans shall be submitted))~~ The applicant shall submit holding tank
1482 design plans in conformance with this title to the health officer for review. The ((design
1483 and)) owner shall ensure that holding tank maintenance and operation ((shall be in
1484 accordance)) conform with this title and with Guidelines for Holding Tank Sewage

1485 Systems, July 2007, Washington State Department of Health, as amended. The
1486 application shall include specifications for the anticipated daily sewage load, the tank
1487 capacity, the alarm device, the overflow elevation, the location of the tank, and any other
1488 information pertinent to the installation.

1489 D. ~~((A minimum bond of five thousand dollars must be filed with the health
1490 officer or management authority to guarantee cleanup in case of accidental spill and/or
1491 repair of the system.~~

1492 E. ~~A copy of a pumping contract with a certified OSS pumper must be filed with
1493 the department))~~ The owner shall enter into an active pumping contract with a certified
1494 OSS pumper and file a copy of the contract with the health officer. The owner shall
1495 maintain the contract at all times until the holding tank has been decommissioned. The
1496 pumper shall notify the health officer if the contract is at any time canceled or not
1497 renewed by either party to the contract.

1498 F. The owner or applicant shall obtain ~~((A))~~ an OSS installation permit ~~((must be
1499 obtained))~~ prior to installation of the tank.

1500 G. ~~((Monitoring))~~ The owner shall cause monitoring and maintenance ((shall)) of
1501 the tank to be performed in accordance with BOH 13.60.010. The owner shall ensure
1502 that pumping of the holding tank occurs at least as frequently as specified under the
1503 approved holding tank design, or, alternatively, that the holding tank installation includes
1504 technology to monitor septage levels in the tank and notify the owner and contracted
1505 pumper if ninety percent of the tank capacity is exceeded.

1506 SECTION 37. R&R No. 3, Part 7, Section 5, and BOH 13.56.050 are each hereby
1507 amended to read as follows:

1508 **Record drawing.**

1509 A. (~~Whenever a designer approves an installation,~~) Within thirty days after
1510 approving an OSS installation and notifying the health officer of system completion, the
1511 designer shall prepare, sign, and submit electronically to the health officer a completely
1512 scaled and dimensioned record drawing and certification of the approved OSS (~~shall be~~
1513 ~~prepared in triplicate by the designer of the system on forms provided by the health~~
1514 ~~officer. These forms shall then be signed by the designer and within thirty days of~~
1515 ~~notifying the health officer of system completion all three complete copies shall be~~
1516 ~~submitted~~). Where an installation, alteration or repair is undertaken without a design
1517 prepared by a designer, the installer or OSM performing the installation, alteration or
1518 repair shall provide a reconciled (~~record drawing~~) site sketch to the health officer and
1519 the OSS owner at the time of final inspection.

1520 B. The following details are required for all record drawings:

- 1521 1. An accurate plot plan, with measurements and directions accurate to within
1522 one-half of one foot, showing the locations of the essential components of the OSS
1523 including:
- 1524 a. all sewage tanks, tank pump out lids, tank inspection access ports and depth
1525 of tank burial.
 - 1526 b. all plumbing stub outlets.
 - 1527 c. building sewer line between building and septic tank.
 - 1528 d. effluent transport line between septic tank and distribution box or inspection
1529 box.

- 1530 e. the ends, and all changes in direction, of installed and found buried pipes
1531 and electrical cables that are part of the OSS.
- 1532 f. the distribution/inspection box.
- 1533 g. all soil absorption system laterals and permanent visible marker locations.
- 1534 The length and width of each individual drainfield lateral shall be shown to scale and the
1535 total number of lineal feet and square footage of laterals specified on the drawing. A
1536 dimensioned reserve soil absorption system area shall be included. h.
- 1537 h. the location of any unusual construction features such as step downs(($\frac{1}{2}$)) in
1538 the drainfield laterals(($\frac{1}{2}$)) must be clearly indicated.
- 1539 i. distance between any drainfield laterals and the edges of any fill soils, cuts,
1540 banks, terraces, foundations, property lines, lakes, streams, wells or other water sources,
1541 water lines, driveways and impermeable surfaces.
- 1542 j. the location and detail of soil absorption system inspection ports.
- 1543 k. location and depth of permeable cover added after installation.
- 1544 l. if ((~~a pump system~~)) the OSS contains a pump, the pump size, manufacturer,
1545 model, pump cycle duration, dose in gallons/cycle and pump timer settings.
- 1546 m. location, size, shape, and placement of all buildings on the building site
1547 showing their relation to the OSS and to any easements, underground oil storage tanks,
1548 utility lines and property lines.
- 1549 n. location, direction of flow, and discharge point of all ground and/or surface
1550 water interceptor drains and on-site stormwater infiltration systems.
- 1551 o. orientation of drawing with north direction by arrow.
- 1552 p. location of private water supply (well, spring, etc.).

- 1553 q. location of design control point.
- 1554 2. Clearly Indicated Scale using the appropriate scaled increments shown on a
1555 typical engineering scale. Recommended scale of one inch equals twenty feet. Scales
1556 utilizing ratios smaller than one inch equals thirty feet are not acceptable.
- 1557 3. One copy of an OSS owner's operating, maintenance and technical
1558 specifications manual which includes:
- 1559 a. system performance specifications, including initial settings of electrical or
1560 mechanical devices needed to operate the system as intended by the designer and
1561 installer;
- 1562 b. system operating instructions, including ~~((, for proprietary products,))~~
1563 manufacturer's standard product literature for proprietary products;
- 1564 c. system preventive maintenance instructions and service schedule;
- 1565 d. make, model and/or performance specifications of all system components;
- 1566 ~~((and))~~
- 1567 e. check list and schedule for routine monitoring inspections, effluent sampling
1568 and reports ~~((-))~~; and
- 1569 f. record that materials and equipment meet the specifications contained in the
1570 design.
- 1571 4. Copy of recorded "notice on title" required by BOH 13.56.054, and an
1572 operation and maintenance services agreement as applicable.
- 1573 5. Copy of OSS installation permit.
- 1574 6. Documentation describing the waste strength range within which the OSS is
1575 designed to operate.

1576 SECTION 38. R&R 99-01, Section 2 (Part), as amended, and BOH 13.56.054 are
1577 hereby amended to read as follows:

1578 **Notice on title.**

1579 A. New Systems. The owner shall record a notice on title with the King County
1580 records and election division. This notice shall include all of the owner's responsibilities
1581 described in BOH 13.60.005 and Table 13.60-1.

1582 B. Existing systems.

1583 1. Prior to sale or transfer of property ownership, if the building is served by an
1584 OSS and the notice on title required by this section has not been recorded, then the owner
1585 shall record the notice as set forth in BOH 13.56.054.A. At the time of sale the seller
1586 shall obtain the buyer's signature acknowledging receipt of a copy of this recorded notice.

1587 2. At the time of sale or transfer of property ownership, the buyer or transferee
1588 of a property served by an OSS shall forward to the health officer a fee as set forth in the
1589 fee schedule and submit a signed copy of the notice on title as set forth in BOH
1590 13.56.054.A.

1591 ~~((3. At the time a building is remodeled or expanded, if it is not connected to
1592 public sewer and the notice on title required by this section has not been recorded, then
1593 the owner shall record the notice as set forth in BOH 13.56.054.A.))~~

1594 SECTION 39. R&R 99-01, Section 2 (part), as amended, and BOH 13.60.005 are
1595 hereby amended to read as follows:

1596 **Operation and maintenance.**

1597 A. The OSS owner is responsible for the continuous proper operation and
1598 maintenance of the OSS, and shall:

- 1599 1. Determine the level of solids and scum in the septic tank at least once every
1600 three years for residential systems with no garbage grinder and once every year if a
1601 garbage grinder is installed and, unless otherwise provided in writing by the health
1602 officer, once every year for commercial systems((-));
- 1603 2. Employ an approved pumper to remove the septage from the tank when the
1604 level of solids and scum indicates that removal is necessary((-));
- 1605 3. Cause preventive maintenance/system performance monitoring inspections to
1606 be conducted and any indicated service to be performed by an approved person at a
1607 minimum frequency in accordance with Table 13.60-1 unless otherwise established by
1608 the health officer((-));
- 1609 4. Secure and renew contracts, as needed, to fulfill the OSS operation and
1610 maintenance requirements of Table 13.60-1((-));
- 1611 5. Operate and maintain all OSS in accordance with this title, with pertinent
1612 alternative system guidelines issued by the DOH and with the approved OSS owner's
1613 operating and maintenance instruction manual((-));
- 1614 6. Protect the OSS area including the reserve area from:
- 1615 a. cover by structures or impervious material;
- 1616 b. surface drainage;
- 1617 c. soil compaction, for example, by vehicular traffic or livestock; and
- 1618 d. damage by soil removal and grade alteration((-));
- 1619 7. Maintain the flow of sewage to the OSS at or below the approved operating
1620 capacity and sewage quality standards for residential strength waste water((-));

1621 8. Direct drains, such as footing or roof drains away from the area where the
1622 OSS is located((=));

1623 9. At time of property transfer, provide the buyer with maintenance records, if
1624 available, in addition to the completed seller disclosure statement in accordance with
1625 chapter 64.06 RCW for residential real property transfers; and

1626 10. Ensure that all tank access lids are secured to minimize risk of injury or
1627 unauthorized access.

1628 B. The owner shall not allow:

1629 1. Use or introduction of strong bases, strong acids or organic solvents into an
1630 OSS for the purpose of system cleaning;

1631 2. Use of a sewage system additive unless it is specifically approved by the
1632 DOH; or

1633 3. Use of an OSS to dispose of waste components atypical of residential
1634 wastewater, for example, but not limited to, petroleum products, paints, solvents, or
1635 pesticides.

1636 SECTION 40. R&R 3, Part 8, Section 1, as amended, and BOH 13.60.010 are
1637 hereby amended to read as follows:

1638 **Monitoring of residential, community or commercial systems.**

1639 A. The owner shall cause ((~~monitoring of the~~)) performance monitoring and
1640 preventive maintenance inspections of any OSS at a frequency and by a qualified person
1641 as specified in Table 13.60-1.

1642 B. For all system types, service access and monitoring ports to finished grade are
1643 required for all system components. Specific component requirements include the
1644 following:

1645 1. Septic tanks shall have service access maintenance ports and monitoring ports
1646 for the inlet and outlet. If effluent filters are used, access to the filter at finished grade is
1647 required;

1648 2. Surge, flow equalization or other sewage tanks shall be accessible for
1649 monitoring and maintenance;

1650 3. All pretreatment units shall have service access maintenance ports and
1651 monitoring ports;

1652 4. Pump chambers, tanks and vaults shall have service access maintenance
1653 ports;

1654 5. Disinfection units shall have service access and be installed to facilitate
1655 complete maintenance and cleaning;

1656 6. Soil dispersal components shall have monitoring ports for both distribution
1657 devices such as valves or other controls and the infiltrative surface; and

1658 7. Any person providing service to an OSS shall secure tank access lids after
1659 servicing the OSS or provide clearly visible marking and notification to the property
1660 owner and occupants before leaving the site.

1661 C. Systems using pumps shall have accessible controls and warning devices.

1662 D. To facilitate maintenance and safety, control panels shall be located in line of
1663 sight of the pump tank.

1664 E. OSS serving food establishments require, at a minimum, an annual
 1665 performance monitoring and preventive maintenance inspection and periodic pumping as
 1666 needed.

1667 F. (~~Operation and maintenance~~) Performance monitoring and preventive
 1668 maintenance inspections of any OSS in a marine recovery area shall be performed by a
 1669 licensed OSS maintainer and at a frequency determined by the health officer based upon
 1670 type, size, age, system condition, and system location, but not less than once per year. If
 1671 no accurate record drawing for the OSS has been prepared and filed with the department,
 1672 the licensed OSS maintainer performing the (~~maintenance and performance monitoring~~)
 1673 inspection shall prepare and submit to the health officer a reconciled (~~record drawing~~)
 1674 site sketch together with the (~~system~~) operation and performance monitoring report
 1675 required under this chapter.

1676 **Table 13.60-1**

1677 **Minimum Frequency of (~~Preventive Maintenance~~) Performance Monitoring and**
 1678 **Preventive Maintenance Inspections**

	Gravity System <u>without</u> <u>Pump</u> ⁴	Public Domain Technology ²	Proprietary Technology ^{3,5}	Commercial and Food Establishment	Non- Discharging Toilets ⁶
Initial¹ Inspection	6 months	6 months	45 days	45 days	N/A

Regular Inspection frequency	Every 3 years	Annually	((Every 6 months)) <u>Annually</u>	Annually ((or 6 months depending on Technology used))	Annually
Who May Perform the Inspection	Owner or Licensed Maintainer or Licensed OSS Pumper	Licensed Maintainer	Licensed Maintainer	Licensed Maintainer	Owner

Table 13.60-1 Explanatory Notes

1679

1680

1. The initial inspection is to be performed at the time interval indicated following occupancy.

1681

1682

2. Public domain technology includes such systems as ~~((:))~~ mounds, intermittent sand filters, and pressure distribution.

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3. Proprietary Technology includes such systems as ~~((:))~~ ATUs, Glendon up-flow filters, Advantex pack bed filters, and subsurface drip.

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4. ~~((At least an annual septic tank maintenance check is required if the structure served is equipped with a garbage grinder waste disposal unit.))~~ If a screened outlet baffle is present an annual ~~((check))~~ cleaning is recommended. ~~((Pumpers shall report each pumping event to the health officer in accordance with BOH chapter 13.68.))~~

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1691 5. Table 13.60-1 specifies the minimum required monitoring frequency. A more
1692 stringent monitoring frequency shall be used if recommended by the manufacturer.

1693 6. This monitoring is in addition to that required for the OSS receiving the building's
1694 nontoilet liquid waste.

1695 G. The person conducting the ~~((maintenance and))~~ performance monitoring and
1696 preventive maintenance inspection shall submit ~~((a system))~~ an operation and
1697 ~~((maintenance/))~~ performance monitoring report, on forms provided by the health officer,
1698 to the owner at the time of the inspection and to the health officer accompanied by a
1699 filing fee as specified in the fee schedule within thirty days of the inspection.

1700 H. Any person holding a King County OSS certificate of competency or
1701 Washington state on-site sewage system designer or professional engineer license who
1702 observes effluent surfacing from an OSS component or sewage backing up into a
1703 structure shall report the failure on forms provided by the health officer within five
1704 business days of observing the failure.

1705 I. The fee for each ~~((OSS monitoring/performance inspection))~~ monitoring report
1706 required by the health officer shall be in accordance with the fee schedule.

1707 ~~((I. Preventive maintenance and monitoring))~~ J.1. For any commercial
1708 development using OSS, performance monitoring and preventive maintenance inspection
1709 of the OSS ~~((performance and)), including~~ quality of effluent, shall be required ~~((for any~~
1710 ~~commercial development using OSS)).~~

1711 ~~((+))~~ 2. The minimum frequency and the type of inspection required shall be in
1712 accordance with Table 13.60-1 unless otherwise established by the health officer.

1713 ~~((2-))~~ 3. At least an annual inspection of OSS serving food establishments shall
1714 be conducted.

1715 ~~((1-))~~ K. For properties where required performance monitoring and ~~((/or))~~
1716 preventive maintenance inspections are at least thirty days overdue the health officer may
1717 notify the owner that the OSS is not in compliance with these rules. The health officer
1718 may, in addition to provisions of BOH chapter 1.08 of this code, cause a notice of
1719 noncompliance to be recorded with the real property records for the subject lot.

1720 SECTION 41. R&R 08-03, Section 145, and BOH 13.60.030 are hereby
1721 amended to read as follows:

1722 **Operation and maintenance at time of sale.**

1723 A. The seller or grantor of any single-family or multiple family residential
1724 property served by an OSS shall, prior to transfer of title to the property, have a property
1725 transfer monitoring and performance inspection performed by a licensed OSM. The
1726 licensed OSM shall file with the department an on-site system report and applicable fee
1727 in accordance with the fee schedule.

1728 ~~((1-))~~ B. If no record drawing is on file with the department, the OSM shall
1729 prepare a ~~((record drawing))~~ site sketch and include it with the O&M report submitted to
1730 the department.

1731 ~~((2-))~~ C. If a record drawing is on file with the department but does not
1732 accurately depict the OSS, the OSM shall prepare a ~~((reconciled record drawing))~~ site
1733 sketch and include it with the O&M report submitted to the department.

1734 ~~((3-))~~ D. A property transfer monitoring and performance inspection is not
1735 required if such an inspection was performed within the previous ~~((6 months))~~ twelve
1736 months, provided the property has not been transferred since the most recent inspection.

1737 ~~((4-))~~ E. At the time of property transfer, the owner shall provide, to the buyer,
1738 maintenance records, if available, in addition to the completed seller disclosure statement
1739 in accordance with chapter 64.06 RCW for residential real property transfers.

1740 SECTION 42. R&R No. 3, Part 9, Section 1, as amended, and BOH 13.64.010
1741 are each hereby amended to read as follows:

1742 **Repairs of failing OSS.**

1743 A. This title shall be applied to the maximum extent permitted by the site for any
1744 repair necessitated by the failure of an existing OSS. The health officer may waive
1745 compliance with these requirements if a conforming repair is not feasible and if in the
1746 health officer's judgment the repaired system will not have an adverse effect on public
1747 health, but the repaired system shall not discharge onto the surface of the ground, into
1748 surface waters, or otherwise fail.

1749 B. The health officer may require a site design in accordance with BOH chapter
1750 13.28 for the repair or replacement of a failing soil absorption component ~~((and if~~
1751 ~~deemed necessary))~~ or for a ~~((limited))~~ repair. Prior to designing the repair system, the
1752 designer shall consider the contributing factors of the failure to enable the repair to
1753 address identified causes of the failure, and shall include this information in any design or
1754 repair proposal to the department. ~~((The health officer shall require a site design in~~
1755 ~~accordance with chapter 13.28 for the repair or replacement of a failing soil absorption~~
1756 ~~component and if deemed necessary for a limited repair.))~~

1757 C. It is unlawful to repair an OSS without ~~((an))~~ a department approved OSS
 1758 ~~((limited))~~ repair permit, except that a permit is not required for a minor repair as defined
 1759 under BOH chapter 13.08.

1760 **Table 13.64-1**
 1761 **Minimum Treatment Level and Bacteria Level Required for Repair or Replacement**
 1762 **of Soil Absorption Components on Sites not Meeting Vertical and/or Horizontal**
 1763 **Separation Requirements of this Title**

Vertical Separation (in inches)	Horizontal Separation ¹											
	<25 feet ^{2,3}			25<50 feet ^{2,3}			50 < 100 feet ^{2,3}			> 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
	<u>Minimum Treatment Level and Bacteria Level</u>											
< 12	A & BL 1	A & BL 1	A & BL1	A & BL 1	A & BL 1	A & BL 1	A & BL 1	A & BL 1	((B)) A & BL1	B & BL 2	B & BL 2	B & BL 2
((>12< 18)) ≥ 12 < 18	A & BL 1	A & BL 1	A & BL1	A & BL 1	B & BL 2	B & BL 2	A & BL 1	B & BL 2	B & BL2	Conforming Systems		
((>18< 24)) ≥ 18	A &	A &	A & BL1	A &	B & BL	B & BL	A &	B & BL	((C)) B &			

<u>< 24</u>	<u>BL</u> <u>1</u>	<u>BL</u> <u>1</u>		<u>BL</u> <u>1</u>	<u>2</u>	<u>2</u>	<u>BL</u> <u>1</u>	<u>2</u>	<u>BL2</u>	
((>24< 36)) ≥ 24 <u>< 36</u>	A & <u>BL</u> <u>1</u>	B & <u>BL</u> <u>2</u>	B & <u>BL2</u>	B & <u>BL</u> <u>2</u>	((€)) B & <u>BL</u> <u>2</u>	((€)) B & <u>BL</u> <u>2</u>	B & <u>BL</u> <u>2</u>	((€)) B & <u>BL</u> <u>2</u>	C & <u>BL3</u>	
((>36)) ≥ 36	A & <u>BL</u> <u>1</u>	B & <u>BL</u> <u>2</u>	B & <u>BL2</u>	B & <u>BL</u> <u>2</u>	C & <u>BL</u> <u>3</u>	C & <u>BL</u> <u>3</u>	B & <u>BL</u> <u>2</u>	C & <u>BL</u> <u>3</u>	((€) C & <u>BL3</u>	

Table 13.64-1 Explanatory Notes

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The horizontal separation indicated in this table is the distance between the soil dispersal component and the surface water, well, or spring. If the soil dispersal component is up-gradient of a surface water, well, or spring to be used as a potable water source, or beach where shellfish are harvested, the next higher treatment level shall apply unless treatment level A is already required.

1. The Treatment Levels refer to effluent quality achieved before discharge to unsaturated subsurface soil.

2. Alternative systems which meet the Treatment Level without disinfection are required when the repair OSS is adjacent to fresh water bodies.

3. When adjacent to fresh surface water bodies the next higher Treatment Level A shall be provided unless Treatment Level A is already provided.

1776 D. The treatment level required for repair or replacement of soil absorption
1777 components of an existing failed OSS when conforming vertical separation and
1778 conforming horizontal separation to surface water and/or to individual private wells is not
1779 possible shall be in accordance with Table 13.64-1.

1780 E. Alterations or repairs to an OSS shall be documented in a repair record
1781 drawing submitted to the health officer for final approval at time of final inspection,
1782 unless a full design application was submitted for the repair.

1783 F. ~~((The owner receiving a Table 13.64-1 repair permit where treatment Level A
1784 or B is required shall:~~

1785 ~~1. Immediately report any OSS failure to the health officer;~~
1786 ~~2. Continuously operate, maintain and monitor the OSS performance in
1787 accordance with the appropriate recommended standards and guidance for the technology
1788 in use; and~~

1789 ~~3. Report the results of the OSS maintenance and monitoring to the health
1790 officer quarterly when Treatment Level A is required and annually when Treatment Level
1791 B is required.~~

1792 G.)) The owner receiving a permit shall file a "notice on title" in accordance with
1793 13.56.054 and the notice shall include:

1794 1. A notarized agreement to comply with the conditions of BOH 13.64.010.F
1795 above; and

1796 2. A disclosure that a nonconforming OSS has been installed to correct a failure
1797 because a conforming OSS is not feasible due to site and soil limitations and that due to

1798 the OSS nonconformity the system is not authorized to support new building construction
1799 or expansions or major alterations of the existing structure.

1800 ~~((H.))~~ G. The health officer may authorize in writing a horizontal separation of
1801 not less than seventy-five feet between an OSS dispersal component and an individual
1802 private drilled well, but only if:

1803 1. ~~((†))~~The well is located on the same parcel as the property served by the OSS;

1804 2. ~~((†))~~The OSS is designed and operated to provide treatment level A or
1805 treatment performance beyond that accomplished by meeting the vertical separation and
1806 effluent distribution requirements described in Table 13.64-1; and

1807 3. ~~((†))~~The owner monitors drinking water quality for coliform and nitrate and
1808 periodically submits drinking water quality reports to the health officer at least annually.

1809 ~~((H.))~~ H. For any designed repair, the designer shall include, on the record
1810 drawing document, the operating capacity of the repaired OSS and provide a copy of the
1811 record drawing document to the owner.

1812 ~~((I.))~~ I. For any repair required to be performed in accordance with Table 13.64-1
1813 of this title, disinfection may not be used to achieve the fecal coliform requirements to
1814 meet:

1815 1. Treatment levels ~~((A or B))~~ BL1 or BL2 where there is less than eighteen
1816 inches of vertical separation~~((:))~~; or

1817 2. Treatment levels ~~((A or B))~~ BL1 or BL2 in type 1 soils; or

1818 3. Treatment level ~~((C))~~ BL3.

1819 ~~((K.))~~ J. Except as provided in BOH 13.20.040, OSS repairs shall be supervised
1820 by an OSS master installer certified pursuant to BOH 13.20.020 and 13.20.030.

1821 ~~((E-))~~ K. When the work of repairing an existing OSS has been completed, but
1822 before it is closed and covered, the installer shall notify the owner and the person who
1823 designed the repair (~~((and owner shall be notified))~~) that the work has been completed.
1824 The person who designed the repair shall then proceed as described in BOH 13.56.030(~~(~~
1825 ~~subsections))~~) B. and C. The person designing the repair shall then call for the health
1826 officer to inspect the system.

1827 L. For a (~~((limited))~~) minor repair, the installer or maintainer shall submit a
1828 (~~((limited))~~) minor repair report to the health officer within five working days after
1829 completing the repair with a site sketch documenting any changes in OSS components.

1830 M. Unless otherwise directed by the health officer, OSS repairs shall not be
1831 covered until the health officer has given approval.

1832 SECTION 43. R&R 3, Part 9, Section 2, as amended, and BOH 13.64.020 are
1833 hereby amended to read as follows:

1834 **Remodeling – approval required.**

1835 A. Existing buildings or structures to which additions, alterations, or
1836 improvements which would impact the operation of the OSS are made after the effective
1837 date of this title shall be served by an OSS complying with this title (~~((; provided,~~
1838 ~~however))~~), except that the health officer may waive compliance with these requirements
1839 for existing buildings or structures when the addition, alterations, repairs, or
1840 improvements to the building or structure are compatible with and do not adversely
1841 impact the OSS including the potential reserve area, do not affect the adequacy of the
1842 system to treat the sewage over the remaining useful life of the building or structure, and

1843 do not adversely affect the ability of the continued operation of the system to protect
1844 public health, surface water quality, or groundwater quality.

1845 B. Applications for approval by the health officer of existing OSS serving
1846 existing buildings undergoing addition, alteration, repair, or improvement shall be made
1847 as provided in this section. The application shall be made on forms furnished by the
1848 health officer.

1849 C.1. The health officer will review all applications to determine the compatibility
1850 of the proposed addition, alteration, repair, or improvement with the existing OSS.

1851 ~~((+))~~ 2. Factors that the health officer may consider include, but are not limited
1852 to, the following:

- 1853 a. location of SSAS in relation to foundation and existing improvements;
- 1854 b. size of SSAS in relation to proposed use;
- 1855 c. condition of the existing OSS;
- 1856 d. ~~((useful anticipated life of the existing on-site sewage disposal system;~~
- 1857 e.)) potential for reconstruction and repair of the existing on-site sewage
1858 disposal system;
- 1859 ~~((£))~~ e. ultimate purpose of the remodeling; and
- 1860 ~~((g-))~~ f. approved source of water.

1861 ~~((2-))~~ 3. The health officer may require the applicant to furnish such exhibits and
1862 information as may be deemed relevant and necessary to the application.

1863 D. Any applicant ~~((for a permit for a change))~~ changing ~~((of))~~ use in a
1864 commercial structure served by an OSS, or for a change of use from residential to
1865 commercial in a structure served by an OSS, shall obtain the health officer's review and

1866 approval of the OSS before the OSS may be utilized to serve the new use in the structure.
1867 Any such applicant for a change in use approval for the continued use of the OSS shall
1868 ~~((submit a written))~~ cause the application for approval by the health officer to be
1869 submitted by a licensed OSS designer or professional engineer on forms provided by the
1870 health officer. The application shall include information detailing the anticipated
1871 wastewater strength of the proposed use and any processes or uses which may impact the
1872 wastewater characteristics and flows of the existing OSS.

1873 E. The nonrefundable fee for such a review shall be as specified in the fee
1874 schedule, payable to the department. No charge shall be made for applications for
1875 projects that are determined to be categorically exempt by the health officer.

1876 SECTION 44. R&R 3, Part 11, Section 1, as amended, and BOH 13.68.010 are
1877 hereby amended to read as follows:

1878 **Pumper certification requirements.**

1879 A. It is unlawful for any person to carry on or engage in the business of pumping
1880 out the contents of septic tanks, cesspools, grease traps, seepage pits, vault privies,
1881 portable toilets, and other receptacles of human sewage or to transport over the highways
1882 or to dispose of the contents therefrom in King County unless the pumper business
1883 operator and in addition, each employee of the OSS pumper who engages in OSS
1884 pumping activities, holds a valid certificate of competency and each vehicle has an
1885 annual inspection tab issued by the health officer in accordance with this title for
1886 conducting such business. The following liquid waste pumper's certificate of
1887 competency classifications are established:

- 1888 1. OSS pumper;

1889 2. Grease trap(~~(/)~~) or interceptor pumper;

1890 3. (~~(Vessel)~~) Watercraft sewage holding tank pumper;

1891 4. Portable toilet pumper; and

1892 5. Miscellaneous sewage pumper.

1893 B. All persons holding a valid pumper registration on the effective date of these
1894 regulations will be classified by the health officer in accordance with subsection(~~(s)~~) A.1.
1895 through (~~(A)~~)4. of this section.

1896 C. A holder of an OSS pumper classification certificate of competency may, in
1897 addition to the pumping and transporting activity under this section, conduct routine
1898 preventive maintenance and performance monitoring inspections of gravity OSS, except
1899 that an OSS inspection at time of property sale under BOH 13.60.030 shall be performed
1900 by a licensed OSS maintainer. A liquid waste pumper of any classification may not
1901 perform minor repairs on any OSS component other than lids, risers, baffles, and building
1902 sewer tightlines.

1903 D. An applicant may be issued a certificate under such terms, conditions orders
1904 and direction as the health officer may deem necessary for the protection of public health.
1905 The health officer may waive any specific condition required by this chapter for
1906 certification when, in the opinion of the health officer, the condition duplicates a
1907 requirement of another regulatory agency and which the applicant has fulfilled.

1908 E. As a condition of certification, a pumper shall consistently demonstrate
1909 reasonable care and skill in performing work governed by this title, meet the
1910 requirements of the King County OSS code of performance and ethics, and comply with
1911 all the terms and conditions of these and all other applicable rules and regulations.

1912 SECTION 45. R&R 3, Part 11, Section 2, as amended, and BOH 13.68.020 are
1913 hereby amended to read as follows;

1914 **Application.** ~~((All applications for pumper certification under this title shall be~~
1915 ~~submitted))~~ An applicant for a pumper certificate of competency shall submit the
1916 application to the health officer~~((The application shall state the applicant's name in full;~~
1917 ~~if a partnership, then the names of the partners, the relation of the applicant to the firm or~~
1918 ~~partnership; the name of the corporation if a corporation; the place of business and place~~
1919 ~~of residence of the applicant; each of the partners in the business, if a partnership; and the~~
1920 ~~place of business of the corporation, if a corporation. The applicant shall also provide))~~
1921 and shall include the following with the application:

1922 A. If an individual, the applicant's name in full, signature, place of residence, and
1923 name and place of business;

1924 B. If a partnership or corporation, the names of the partners or officers, the
1925 relation of the applicant to the partnership or corporation, the signature of the managing
1926 partner or authorized officer, and the name and primary place of business of the
1927 partnership or corporation;

1928 C. ~~((€))~~The number and identification of all vehicles to be used;

1929 D. ~~((€))~~The type, location and name of all the sites that the applicant will use to
1930 dispose of the contents of septic tanks, cesspools, grease traps, grease interceptors,
1931 seepage pits, vault privies, portable toilets and other receptacles of human sewage;
1932 ~~((and))~~

1933 E. A valid disposal site letter of authorization including the name and address of
1934 the person, firm, or corporation who is responsible for the operation of each disposal

1935 site(~~(. A valid disposal site letter of authorization must accompany the application. The~~
1936 ~~application shall be signed by the authorized officer of the corporation, if a corporation,~~
1937 ~~or by the managing partner, if a partnership, or by the individual owner, if owned by an~~
1938 ~~individual, and by the individual applicant)); and~~

1939 F. A signed attestation that the applicant for a new or renewal pumper certificate
1940 of competency is familiar with and agrees to perform all OSS services in accordance with
1941 the requirements of this title and the King County OSS code of performance and ethics.

1942 SECTION 46. R&R 3, Part 11, Section 3, as amended, and BOH 13.68.030 are
1943 hereby amended to read as follows:

1944 **Examination and inspection.**

1945 A. Except as described in BOH 13.68.010.B., a pumper's certificate of
1946 competency and(~~(/or))~~ vehicle inspection tab, as applicable, shall be issued to the
1947 applicant only after:

1948 1. Completion of a course of instruction given by ((~~(a)~~) one or more qualified
1949 ((~~person(s)~~) persons) acceptable to the health officer and which covers, as applicable to
1950 the certificate of competency classification, basic sanitation principles affecting public
1951 health, on-site sewage concepts, details of proper servicing of sewage tanks ((~~or other~~
1952 ~~receptacles of human sewage~~)) and all components of a gravity OSS, and the transporting
1953 and disposing of sewage, septage, sludge, or fats, oils and grease;

1954 2. Satisfactory completion of an examination relevant to the pumper certificate
1955 of competency classification, which may include but not necessarily be limited to the
1956 applicant's knowledge of sanitation principles affecting public health, ((~~knowledge of~~
1957 ~~principles of on-site sewage system~~)) OSS operations, ((~~knowledge of~~)) sewage tanks

1958 ~~((and/or portable toilet))~~ and all components of a gravity OSS, servicing procedures, and
1959 knowledge of regulations governing disposal of septage, sewage, ~~and((/or))~~ fats, oils, and
1960 grease~~((, and))~~. The examination may also include an assessment of the reliability of the
1961 applicant in observing sanitation laws, regulations, and directions, plus other pertinent
1962 information as deemed necessary by the health officer. ~~((except that the grease))~~ Grease
1963 trap~~((/))~~ or interceptor pumpers, ~~((vessel))~~ watercraft sewage holding tank pumpers,
1964 ~~((and))~~ portable toilet pumpers, and miscellaneous sewage pumpers may be exempted
1965 from such examination upon satisfactory completion of an industry certification~~((/))~~ or
1966 training program, or both, acceptable to the health officer. The fee for such an
1967 examination or evaluation of training documentation shall be as specified in the fee
1968 schedule payable in advance and nonrefundable;

1969 3. Annual inspection and approval of the applicant's equipment to be used in the
1970 performance of the business;

1971 4. The business operator provides the health officer with evidence of
1972 compliance with state of Washington minimum bonding requirements as stated in chapter
1973 18.27 RCW and contractor's liability insurance for at least fifty thousand dollars; and

1974 5. Business operators, other than OSS pumpers, sign and provide to the health
1975 officer a statement certifying that all employees working in contact with equipment
1976 potentially contaminated by sewage have successfully completed a course of instruction
1977 given by a qualified person or persons acceptable to the health officer which covers basic
1978 sanitation principles affecting public health.

1979 B. Certificate of competency and vehicle inspection fees shall be as specified in
1980 the fee schedule.

1981 C. After certification has been approved by the health officer, the applicant will
1982 be issued a certification of competency registration number. The business owner shall
1983 permanently affix said number preceded by the letters "KC No." on each of the
1984 applicant's collection vehicles. ~~((Said))~~ The numbers must be in a contrasting color to
1985 that of the vehicle and in letters at least three inches high and placed along with the
1986 annual wastewater vehicle tab in a conspicuous place designated by the health officer. In
1987 addition, the name of the operating firm shall be conspicuously displayed on both sides of
1988 the truck.

1989 D.1. Certificates shall expire December 31~~((st))~~ of each year.

1990 ~~((1-))~~ 2. The health officer may renew certificates of competency provided that
1991 the applicant submits not later than December 31~~((st))~~ a complete renewal application
1992 accompanied by~~((:))~~ a fee as set forth in the fee schedule, authorization for continued use
1993 of all disposal sites, a completed annual vehicle inspection report, and proof of minimum
1994 bonding and insurance requirements~~((: and))~~.

1995 ~~((2-))~~ 3. Complete applications for renewal submitted after January 15 shall be
1996 subject to a late fee in the amount of one-half the renewal fee, after January 31 double the
1997 renewal fee and after February 10 a renewal shall not be granted without passing a
1998 competency examination.

1999 SECTION 47. R&R 3, Part 11, Section 5, as amended, and BOH 13.68.050 are
2000 hereby amended to read as follows:

2001 **Revocation of certificate of competency and inspection certificates.** ~~((Any~~
2002 ~~certificate of competency and inspection certificate issued under this title may be~~
2003 ~~suspended or revoked for cause by the health officer pursuant to)) The health officer may~~

2004 assess civil penalty fines of up to one-thousand dollars per violation per day against any
2005 holder of an OSS pumper's certificate of competency, or institute probationary
2006 requirements, or suspend or revoke a pumper's certificate of competency for the pumper's
2007 failure to comply with this title or the King County OSS code of performance and ethics.

2008 SECTION 48. R&R 99-01, Section 2 (part), and BOH 13.08.024 are hereby
2009 repealed.

2010 SECTION 49. R&R 08-03, Section 12, and BOH 13.08.055 are hereby repealed.

2011 SECTION 50. R&R 3, Part 1, Section 5 (part), as amended, and BOH 13.08.060
2012 are hereby repealed.

2013 SECTION 51. R&R 3, Part 1, Section 5 (part), as amended, and BOH 13.08.070
2014 are hereby repealed.

2015 SECTION 52. R&R 99-01, Section 2 (part), and BOH 13.08.072 are hereby
2016 repealed.

2017 SECTION 53. R&R 99-01, Section 2 (part), as amended, and BOH 13.08.084 are
2018 hereby repealed.

2019 SECTION 54. R&R 3, Part 1, Section 5 (part), as amended, and BOH 13.08.090
2020 are hereby repealed.

2021 SECTION 55. R&R 99-01, Section 2 (part), as amended, and BOH 13.08.114 are
2022 hereby repealed.

2023 SECTION 56. R&R 08-03, Section 21, and BOH 13.08.115 are hereby repealed.

2024 SECTION 57. R&R 08-03, Section 23, and BOH 13.08.117 are hereby repealed.

2025 SECTION 58. R&R 08-03, Section 27, and BOH 13.08.131 are hereby repealed.

2026 SECTION 59. R&R 99-01, Section 2 (part), as amended, and BOH 13.08.132 are
2027 hereby repealed.

2028 SECTION 60. R&R 99-01, Section 2 (part), and BOH 13.08.134 are hereby
2029 repealed.

2030 SECTION 61. R&R 08-03, Section 30, and BOH 13.08.141 are hereby repealed.

2031 SECTION 62. R&R 08-03, Section 32, and BOH 13.08.151 are hereby repealed.

2032 SECTION 63. R&R 08-03, Section 34, and BOH 13.08.154 are hereby repealed.

2033 SECTION 64. R&R 09-03, Section 37, and BOH 13.08.175 are hereby repealed.

2034 SECTION 65. R&R 3, Part 1, Section 5 (part), as amended, and BOH 13.08.180
2035 are hereby repealed.

2036 SECTION 66. R&R 3, Part 1, Section 5 (part), as amended, and BOH 13.08.190
2037 are hereby repealed.

2038 SECTION 67. R&R 99-01, Section 2 (part), as amended, and BOH 13.08.202 are
2039 hereby repealed.

2040 SECTION 68. R&R 08-03, Section 40, and BOH 13.08.205 are hereby repealed.

2041 SECTION 69. R&R 99-01, Section 2 (part), and BOH 13.08.212 are hereby
2042 repealed.

2043 SECTION 70. R&R 08-03, Section 41, and BOH 13.08.213 are hereby repealed.

2044 SECTION 71. R&R 99-01, Section 2 (part), and BOH 13.08.226 are hereby
2045 repealed.

2046 SECTION 72. R&R 08-03, Section 47, and BOH 13.08.257 are hereby repealed.

2047 SECTION 73. R&R 08-03, Section 49, and BOH 13.08.261 are hereby repealed.

2048 SECTION 74. R&R 08-03, Section 50, and BOH 13.08.263 are hereby repealed.

2049 SECTION 75. R&R 3, Part 1, Section 5 (part), as amended, and BOH 13.08.280
2050 are hereby repealed.

2051 SECTION 76. R&R 08-03, Section 55, and BOH 13.08.287 are hereby repealed.

2052 SECTION 77. R&R 3, Part 1, Section 5 (part), as amended, and BOH 13.08.290
2053 are hereby repealed.

2054 SECTION 78. R&R 08-03, Section 56, and BOH 13.08.305 are hereby repealed.

2055 SECTION 79. R&R 3, Part 1, Section 5 (part), as amended, and BOH 13.08.320
2056 are hereby repealed.

2057 SECTION 80. R&R 08-03, Section 57, and BOH 13.08.3215 are hereby
2058 repealed.

2059 SECTION 81. R&R 99-01, Section 2 (part), as amended, and BOH 13.08.322 are
2060 hereby repealed.

2061 SECTION 82. R&R 99-01, Section 2 (part), as amended, and BOH 13.08.324 are
2062 hereby repealed.

2063 SECTION 83. R&R 08-03, Section 60, and BOH 13.08.327 are hereby repealed.

2064 SECTION 84. R&R 3, Part 1, Section 5 (part), as amended, and BOH 13.08.330
2065 are hereby repealed.

2066 SECTION 85. R&R 99-01, Section 2 (part), and BOH 13.08.341 are hereby
2067 repealed.

2068 SECTION 86. R&R No. 08-03, Section 61, and BOH 13.08.346 are hereby
2069 repealed.

2070 SECTION 87. R&R 3, Part 1, Section 5, as amended, and BOH 13.08.350 are
2071 hereby repealed.

2072 SECTION 88. R&R 99-01, Section 2 (part), as amended, and BOH 13.08.372 are
2073 hereby repealed.

2074 SECTION 89. R&R 99-01, Section 2 (part), and BOH 13.08.402 are hereby
2075 repealed.

2076 SECTION 90. R&R 99-01, Section 2 (part), and BOH 13.08.406 are hereby
2077 repealed.

2078 SECTION 91. R&R 3, Part 1, Section 5 (part), as amended, and BOH 13.08.410
2079 are hereby repealed.

2080 SECTION 92. R&R 08-03, Section 69, and BOH 13.08.424 are hereby repealed.

2081 SECTION 93. R&R 99-01, Section 2 (part), and BOH 13.08.426 are hereby
2082 repealed.

2083 SECTION 94. R&R No. 08-03, Section 72, and BOH 13.08.465 are hereby
2084 repealed.

2085 SECTION 95. R&R No. 3, Part 1, Section 5, as amended, and BOH 13.08.470
2086 are hereby repealed.

2087 SECTION 96. R&R 99-01, Section 2 (part), as amended, and BOH 13.08.472 are
2088 hereby repealed.

2089 SECTION 97. R&R 08-03, Section 74, and BOH 13.08.477 are hereby repealed.

2090 SECTION 98. R&R 08-03, Section 76, and BOH 13.08.482 are hereby repealed.

2091 SECTION 99. R&R 99-01, Section 2 (part), as amended, and BOH 13.08.484 are
2092 hereby repealed.

2093 SECTION 100. R&R 09-03, Section 79, and BOH 13.08.493 are hereby
2094 repealed.

2095 SECTION 101. R&R 08-03, Section 80, and BOH 13.08.4934 are hereby
2096 repealed.

2097 SECTION 102. R&R 08-03, Section 81, and BOH 13.08.4937 are hereby
2098 repealed.

2099 SECTION 103. R&R 3, Part 1, Section 5 (part), as amended, and BOH 13.08.500
2100 are hereby repealed.

2101 SECTION 104. R&R 08-03, Section 87, and BOH 13.08.505 are hereby
2102 repealed.

2103 SECTION 105. R&R 99-01, Section 2 (part), and BOH 13.08.512 are hereby
2104 repealed.

2105 SECTION 106. R&R 99-01, Section 2 (part), and BOH 13.08.516 are hereby
2106 repealed.

2107 SECTION 107. R&R 08-03, Section 88, and BOH 13.08.520 are hereby
2108 repealed.

2109 SECTION 108. **Effective date.** This rule takes effect April 1, 2025.

2110 **SECTION 109. Severability.** If any provision of this rule or its application to
2111 any person or circumstance is held invalid, the remainder of the rule or the application of
2112 the provision to other persons or circumstances is not affected.

BOARD OF HEALTH
KING COUNTY, WASHINGTON

Teresa Mosqueda, Chair

ATTEST:

Melani Hay, Clerk of the Board

Attachments: None



KING COUNTY

1200 King County Courthouse
516 Third Avenue
Seattle, WA 98104

Signature Report

Resolution

Proposed No. 24-07.1

Sponsors

1 A RESOLUTION identifying the American Indian Health
2 Commission for Washington State's regular member to
3 serve on the King County Board of Health.

4 WHEREAS, in accordance with RCW 70.05.035, BOH 2.04.020, and K.C.C.
5 chapter 2.35, the King County Board of Health shall include a member to be selected by
6 the American Indian Health Commission for Washington State, and

7 WHEREAS, as a result of term expirations, the King County Board of Health has
8 received the American Indian Health Commission for Washington State's regular and
9 alternate members to begin serving in 2025;

10 NOW, THEREFORE, BE IT RESOLVED by the Board of Health of King
11 County:

12 A. The Board of Health identifies Jolene Williams, to serve as the regular
13 member candidate selected by the American Indian Health Commission for Washington
14 State, for a three-year term to expire on December 31, 2027.

15 B. In accordance with K.C.C. 2.35.024, the board will transmit to the King

- 16 County council this resolution along with the requisite materials for consideration and
17 confirmation.

BOARD OF HEALTH
KING COUNTY, WASHINGTON

Teresa Mosqueda, Chair

ATTEST:

Melani Hay, Clerk of the Board

Attachments: None



KING COUNTY

1200 King County Courthouse
516 Third Avenue
Seattle, WA 98104

Signature Report

Resolution

Proposed No. 24-08.1

Sponsors

1 A RESOLUTION identifying the American Indian Health
2 Commission for Washington State's alternate member to
3 serve on the King County Board of Health.

4 WHEREAS, in accordance with RCW 70.05.035, BOH 2.04.020, and K.C.C.
5 chapter 2.35, the King County Board of Health shall include a member to be selected by
6 the American Indian Health Commission for Washington State, and

7 WHEREAS, as a result of term expirations, the King County Board of Health has
8 received the American Indian Health Commission for Washington State's regular and
9 alternate members to begin serving in 2025;

10 NOW, THEREFORE, BE IT RESOLVED by the Board of Health of King
11 County:

12 A. The Board of Health identifies _____, to serve as the alternate
13 member candidate selected by the American Indian Health Commission for Washington
14 State, for a three-year term to expire on December 31, 2027.

15 B. In accordance with K.C.C. 2.35.024, the board will transmit to the King

- 16 County council this resolution along with the requisite materials for consideration and
17 confirmation.

BOARD OF HEALTH
KING COUNTY, WASHINGTON

Teresa Mosqueda, Chair

ATTEST:

Melani Hay, Clerk of the Board

Attachments: None



King County

King County Board of Health Staff Report

Agenda item No: 8 and 9

Date: November 21, 2024

Resolution No: BOH24-07, BOH24-08

Prepared by: Sam Porter

Subject

Two proposed resolutions to identify the American Indian Health Commission of Washington State selected appointees to the King County Board of Health.

Summary

Resolution BOH 24-07 would identify Jolene Williams to serve as the regular member selected by the American Indian Health Commission of Washington State.

Resolution BOH 24-08 would identify the alternate member selected by the American Indian Health Commission of Washington State. An amendment will be needed to name the alternate in Resolution BOH 24-08.

Background

Pursuant to R.C.W. 70.05.035, the King County Board of Health shall consist of an equal number of elected and non-elected members. One of the non-elected members and an alternate must be selected by the American Indian Health Commission for Washington State (AIHC), while the remaining members should be chosen by the King County Board of Health from three distinct categories of interests: public health, health care facilities and providers, consumers of public health, and other community stakeholders. Additionally, in compliance with chapter 246-90 WAC, BOH chapter 2.04, and K.C.C. chapter 2.35, the King County Board of Health is required to select applicants who will represent community stakeholders, thereby enhancing the Board's efforts to preserve and protect public health.

Analysis

In October, the American Indian Health Commission of Washington State identified Esther Lucero and Abigail Echo-Hawk as the regular and alternate members, respectively, to be reappointed. On the same day as the October Board of Health meeting, October 17, the

Snoqualmie Tribal Council took action to name members of the Council to serve as the Snoqualmie Indian Tribe's representatives on the King County Board of Health for a term of three years.¹ This resolution names two alternates. King County Board of Health Code 2.04.020.A.4 allows for a single alternate selected by the AIHC. On November 4, 2024, Vicki Lowe, AIHC Executive Director, informed the Board Administrator of the change in the AIHC's selected appointees. As of November 12, 2024, Board of Health staff are waiting for a response from the AIHC identifying a single alternate. A verbal amendment will be needed to Board of Health Resolution 24-08 to name the alternate.

Once the Board of Health resolutions are adopted, they will be transmitted to the King County Council for their confirmation. The Board of Health Administrator will transmit the necessary documents to the Clerk of the King County Council in accordance with the requirements of King County Code.

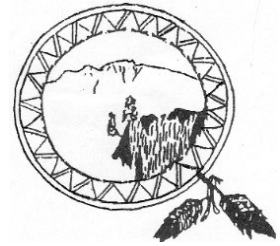
Attachment:

1. Snoqualmie Indian Tribe Resolution 249-2024

¹ Snoqualmie Indian Tribe Resolution #249-2024



SNOQUALMIE INDIAN TRIBE RESOLUTION #249-2024



Resolution Appointing Members to the King County Board of Health

WHEREAS, the Snoqualmie Indian Tribe is a sovereign entity recognized as a signatory Tribe to the Point Elliott Treaty of 1855; and

WHEREAS, the Snoqualmie Tribal Council is the governing body of the Snoqualmie Indian Tribe by the authority of its Constitution; and

WHEREAS, the Snoqualmie Tribal Council is the duly elected council of the General Membership and is responsible for the protection of the health, safety, and welfare of the members of the Snoqualmie Indian Tribe; and

WHEREAS, the Snoqualmie Tribal Council has the authority to regulate its own affairs per the Constitution of the Snoqualmie Tribe of Indians; and

WHEREAS, the role of the King County Board of Health is to advocate for the preservation, promotion, and protection of public health, prevent the spread of disease, set local public health regulations and some fees and licenses, and enforce state and local public health laws; and

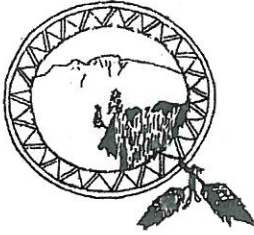
WHEREAS, the Washington State Legislature passed 1152-S2.SL.pdf (wa.gov) that changed the structure of local Boards of Health, “(e) If a federally recognized Indian tribe holds reservation, trust lands, or has usual and accustomed areas within the county, or if a 501(c)(3) organization registered in Washington that serves American Indian and Alaska Native people and provides services within the county, the board of health must include a tribal representative selected by the American Indian health commission,”; and

WHEREAS, each federally recognized Tribe in Washington State that is a member of the of American Indian Health Commission is automatically appointed to the King County Board of Health; and

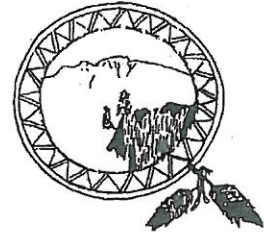
WHEREAS, each federally recognized Tribe in Washington State may appoint one (1) Member through Tribal Resolution to the King County Board of Health; and

WHEREAS, the Snoqualmie Tribal Council has a Constitutional duty, “to promote public health and education,”; and

NOW, THEREFORE BE IT RESOLVED, the Snoqualmie Tribal Council hereby approves to appoint Council Member Jolene Williams as the Delegate, and Council Members Steve De Los Angeles and Angela Young as Alternate Delegates, to serve as the Snoqualmie Indian Tribe’s representatives on the King County Board of Health for a term of three (3) years.



**SNOQUALMIE INDIAN TRIBE
RESOLUTION #249-2024**



Resolution Appointing Members to the King County Board of Health

CERTIFICATION

Voted on this 17th day of October 2024, at a duly called Meeting of the Snoqualmie Tribal Council with a quorum present and voting.

Vice Chair, Steve De Los Angeles For , Against , Abstaining X ,
PTO/Absent/Absent Excused/Approved Tribal Business/Stepped Out/Acting Chair

Tribal Treasurer, Joshua Gabel For X , Against , Abstaining ,
PTO/Absent/Absent Excused/Approved Tribal Business/Stepped Out

Tribal Secretary, Amber Holloway For X , Against , Abstaining ,
PTO/Absent/Absent Excused/Approved Tribal Business/Stepped Out

Council Member, McKenna Sweet Dorman For X , Against , Abstaining ,
PTO/Absent/Absent Excused/Approved Tribal Business/Stepped Out

Council Member, Richard Sikkenga Jr. For , Against , Abstaining ,
PTO/Absent/Absent Excused/**Approved Tribal Business**/Stepped Out

Council Member, Christina Sparling For X , Against , Abstaining ,
PTO/Absent/Absent Excused/Approved Tribal Business/Stepped Out

Council Member, Jim Sweet For X , Against , Abstaining ,
PTO/Absent/Absent Excused/Approved Tribal Business/Stepped Out

Council Member, Jolene Williams For , Against , Abstaining X ,
PTO/Absent/Absent Excused/Approved Tribal Business/Stepped Out

Council Member, Angela Young For , Against , Abstaining ,
PTO/Absent/Absent Excused/**Approved Tribal Business**/Stepped Out

For 5 , Against 0 , Abstaining 2 .

Robert M. de los Angeles
Robert M. de los Angeles, Tribal Chairman

Amber Holloway
Amber Holloway, Tribal Secretary

OVERVIEW OF KING COUNTY MATERNAL- CHILD HEALTH

VAZASKIA CROCKRELL, CHS DIVISION DIRECTOR
MICHELLE SARJU, PARENT & CHILD HEALTH ADMINISTRATOR
ALEY JOSEPH, EPIDEMIOLOGIST

NOVEMBER 2024

Possibility was born the day you were born...



WA STATE MATERNAL MORTALITY REPORT: 2023

WASHINGTON STATE MATERNAL
MORTALITY REVIEW PANEL: MATERNAL
DEATHS 2017–2020

KEY FINDINGS: 2014-2020 MATERNAL DEATHS

- 80% of pregnancy related deaths were preventable
- Substance use was associated with 20% of pregnancy associated deaths
- Most pregnancy-related deaths occurred after the end of pregnancy

● ROOT CAUSES ANALYSIS

While it is very challenging to point to ‘root causes’, the literature points to certain characteristics that are strongly correlated with inadequate prenatal care utilization.

WA STATE MATERNAL MORTALITY REPORT: 2023

WASHINGTON STATE MATERNAL
MORTALITY REVIEW PANEL: MATERNAL
DEATHS 2017–2020

PRIORITY RECOMMENDATIONS TO REDUCE MATERNAL MORTALITY

1. Undo Racism and Bias
2. Address Mental Health and Substance Use Disorder
3. Enhance Health Care Quality and Access
4. Strengthen Clinical Care
5. Meet basic human needs
6. Address and prevent violence

ROOT CAUSES ANALYSIS

Community Members Narrative and Anecdotal Information (1)

Black/African American Community

- Implicit bias and racism in health care can discourage **Black women** from seeking prenatal care, creating an "unsafe" environment that exacerbates disparities in maternal morbidity and mortality regardless of their socioeconomic status
- Lack of coordination between clinical and community-based services, making it challenging to access prenatal care for women with multiple health conditions and those living in difficult life circumstances

—● INFANT MORTALITY

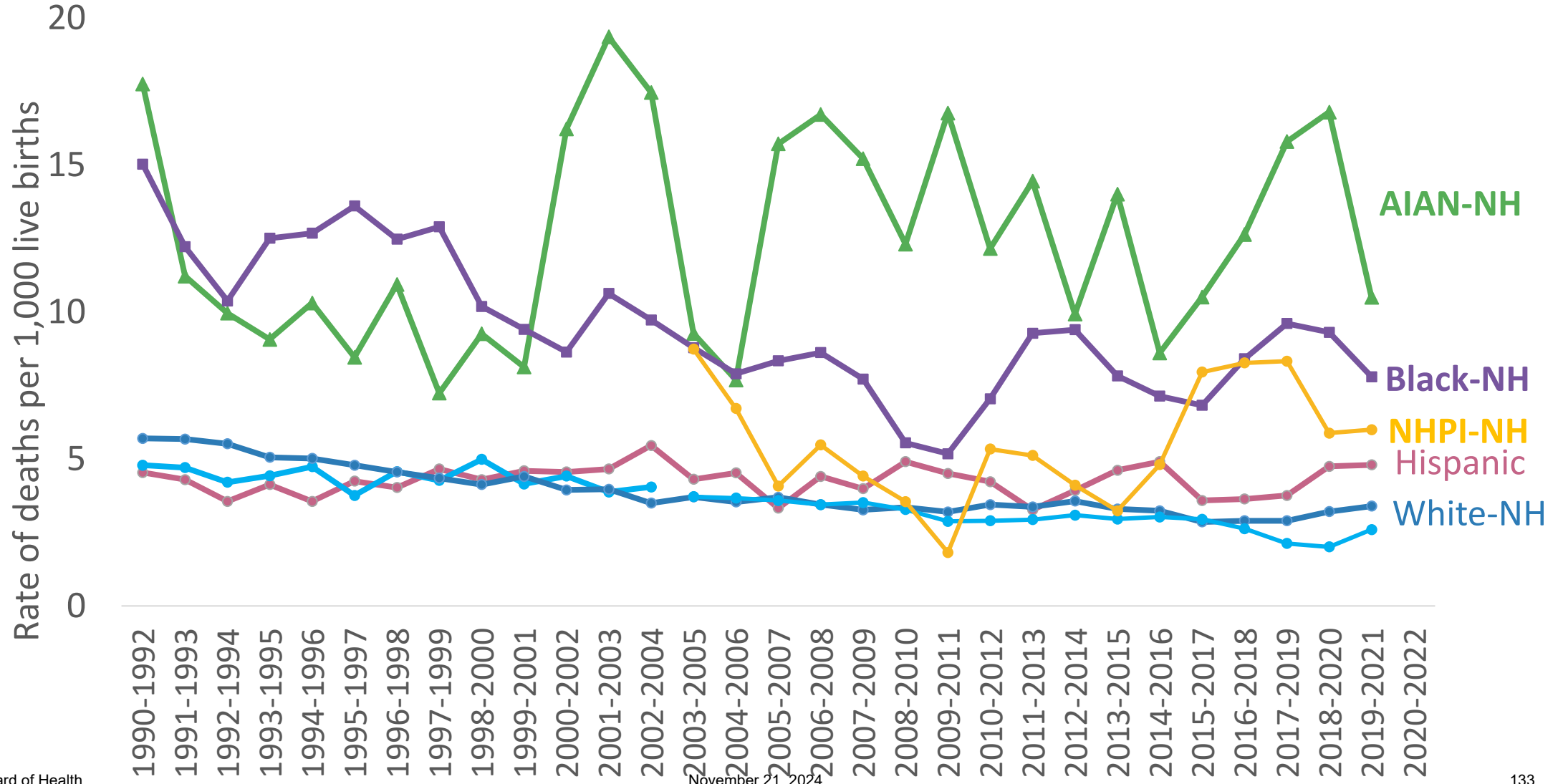
Statistics

Causes

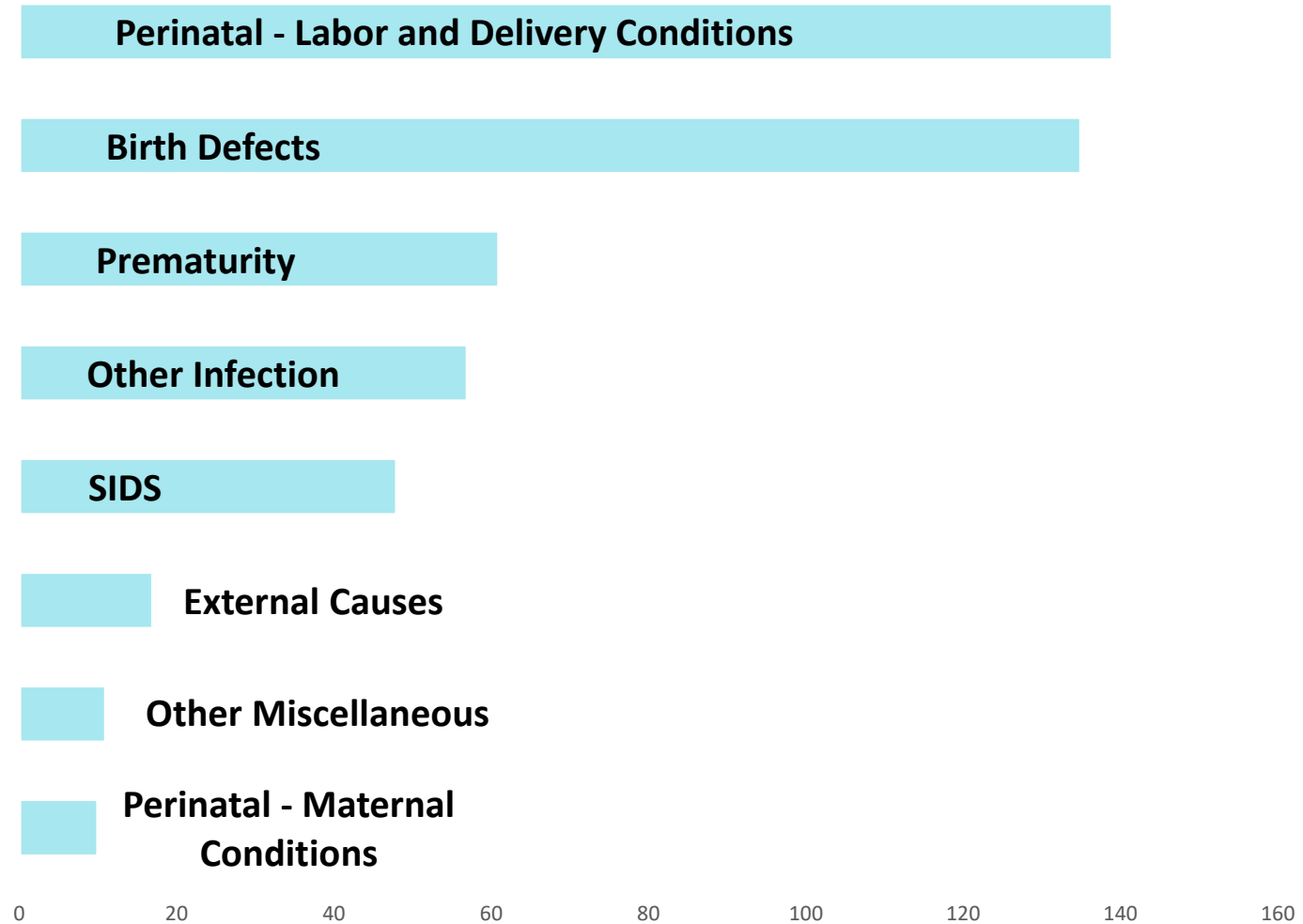
Prevention Barriers and Challenges

Recommendations

Infant Mortality Inequities by Race in King County



Causes of Infant Mortality



CHILD DEATH REVIEW

CHILD MORTALITY PREVENTION

The King County Public Health Child Mortality Prevention Program (CMPP) reviews *Sudden Infant Death Syndrome/Sudden Unexpected Infant Death (SIDS/SUID)* cases.

CMPP proactively identifies policy recommendations and program improvements to better partner with families.

Partners Include:

- WA State DCYF
- Seattle Children's
- Community Partners
- Healthcare and Hospital Partners

CHILD DEATH REVIEW: 2023 AND 2024 REVIEW PANEL FINDINGS

Identified Barriers and Challenges

- Lack of trust with providers
- Families feel disrespected and “talked down to”
- Lack of interest of engagement from providers regarding speaking with families about caring for children including safe sleep practices

Recommendations

- Consult with NW SIDS Alliance to determine recalled products and unsafe sleep environment information
- Train EMS providers on safe sleep practices and resources for families
- Ensure that safe sleep education is included in all well-child check-ups and other provider interactions with caregivers for infants beyond 6 months of age—emphasizing supine (back) sleeping

KING COUNTY INFANT MORTALITY PREVENTION PROGRAMS

CHS PARENT CHILD HEALTH PROGRAMS

- Infant Mortality Prevention Network (IMPAN): currently funds 6 community-based organizations to implement community-defined direct client services.
- Parent-Child Health Programs (PCH): includes First Steps, WIC, Nurse Family Partnership, Family Ways, Kids Plus

BEST STARTS FOR KIDS MATERNAL- CHILD HEALTH INVESTMENTS

BSK INVESTMENTS

Family Ways—A culturally relevant, culturally versatile Maternal/Parent Child Health program serving the following communities:

- Black/African American
- American Indian/Alaska Native
- Native Hawaiian/Pacific Islander

Community Investments (Partial List)

- Hummingbird Indigenous Family Services
- Global Perinatal Services
- Open Arms Perinatal Services
- Atlantic Street Center

—● **THANK
YOU!**

...And it will live as long as you live.—Marcus
Solero



2025 WA State Legislative Session

King County Board of Health, November 21, 2024

Simon Vila, Government Relations Officer

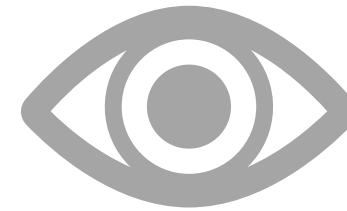
Ginna Hernandez, Policy Analyst

Public Health – Seattle & King County

Agenda



Calendar and Key Dates



What PHSKC is Watching in 2025

Calendar and Key Dates

December

- Assembly Days
- Gov's Budget Release
- Bill Drafting and Drops

January

- Session Kick-off (2nd Monday)
- Committee Hearings

February

- Cutoff: Policy Committee (3rd week of Feb)
- Cutoff: Fiscal Committee (4th week of Feb or 1st week of March)



Calendar and Key Dates

March

- Public Health Day (March 6)
- Cutoff: House of Origin (1st or 2nd week of March)
- House/Senate Budget Release
- Cutoff: Opposite Policy Committee Cutoff (last week of March)

April

- Cutoff: Opposite Fiscal Committee Cutoff (1st or 2nd week of April)
- Cutoff: Opposite House Cutoff (2nd or 3rd week of April)
- Sine Die/Session Concludes: (*scheduled* last week of April)

May

- Funding Procurements and Implementation start

What we're watching in the 2025 Legislative Session

During legislative session, PHSKC weighs in on a range of public health topics. PHSKC is currently watching the following topics:

Foundational Public Health Services (FPHS)

Racism as a Public Health Crisis

Community Health and Well Being

Climate Change and Health

Homelessness, Housing and Health

Overdose Prevention

Gun Violence Prevention

Healthcare Access

Food Access

Injury Prevention

Tobacco and Cannabis

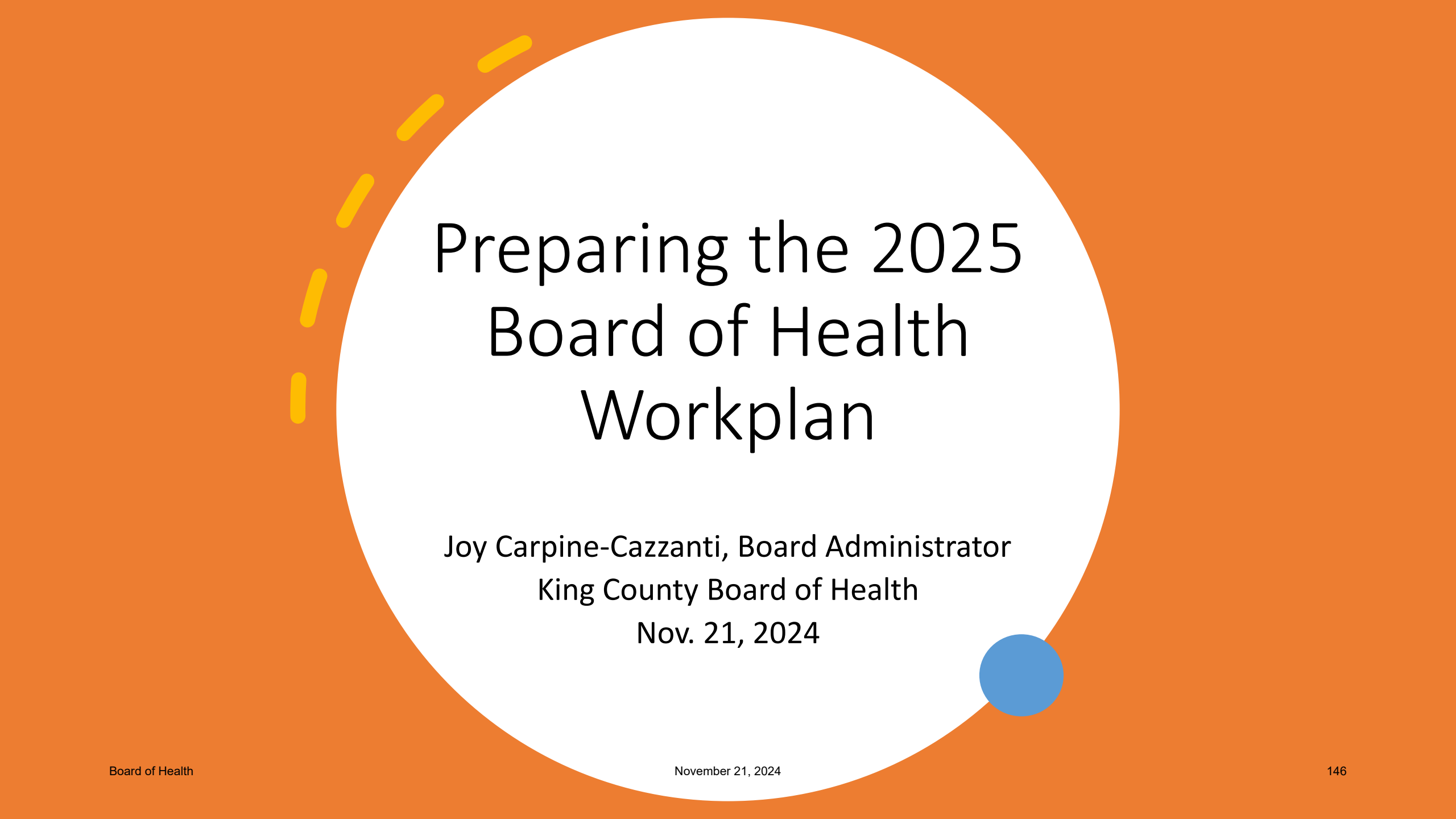
Environmental Health

...and more!



Questions?

Contact Joy Carpine-Cazzanti, BOH Administrator
KCBOHAdmin@kingcounty.gov



Preparing the 2025 Board of Health Workplan

Joy Carpine-Cazzanti, Board Administrator
King County Board of Health
Nov. 21, 2024

Color coding

- Black: General agenda items
- Orange: Related to potential code changes
- Blue: Related to Board membership

Please note:

- The Chair sets the monthly meeting agendas.
- Agenda items may change as needed throughout the year.

Draft

1	January 16, 2025		
2	Type	Description	Est. Time
3	Vote	Chair election	10
4	Discussion and Possible Action: Resolution	A RESOLUTION designating the order in which the vice chairs of the King County Board of Health may act in the absence of the chair in 2025	10
5	Briefing and Discussion	Board Authority-Roles and responsibilities	5
6	Briefing and Discussion	Key public health issues: overview	10
7	Briefing and Discussion	Discussion of 2025 Workplan	15
8	Briefing and Discussion	A RULE AND REGULATION relating to on-site sewage/septic system code revisions	30
9	Briefing and Discussion	Hazardous Waste Management Program presentation and potential preview of rate proposal	15-20
10	Briefing and Discussion	State Legislative session update	15
11	November 21, 2024		Total estimated time 115 mins

Draft

12	February 20, 2025		
13	Type	Description	Est. Time
14	Discussion and Possible Action	A RESOLUTION adopting 2025 Board of Health Workplan	15
15	Discussion and Possible Action	A RULE AND REGULATION relating to on-site sewage/septic system code revisions	15
16	Briefing and Discussion	Recognition of Dr. Jeff Duchin	20
17	Briefing and Discussion, possible Resolution	Preparing for 2025 Emergency Medical Services Levy	20
18	Briefing and Discussion	State Legislative session update	10
19		Total estimated time	80 mins

Draft

20	March 20, 2025		
21	Type	Description	Est. Time
22	Briefing and Discussion	Public Health Workforce Needs, Service and Outcomes - from 2024	20
23	Briefing and Discussion	Health of People Experiencing Homelessness	20
24			
25	April 17, 2025		
26	Type	Description	Est. Time
27	Briefing and Discussion	Food Safety Program Update	20
28	Briefing and Discussion	Hazardous Waste Management Program update and potential rate vote	20
29	Briefing and Discussion	Regional Office of Gun Violence Prevention update	30
30			

Draft

31	May 15, 2025		
32	Type	Description	Est. Time
33	Email or verbal	Ask BMs de Castro, Daniels, Loo and Alt Egwuatu if they each want to serve another 3-year term after 2025 (2026-2028).	
34	Briefing and Discussion	Equitable Wastewater Futures work	20
35	Briefing and Discussion	Overdose prevention and response	30
36			
37	June 19, 2025 - will reschedule due to holiday		
38	Type	Description	Est. Time
39	Briefing and Discussion	BOH membership and recruitment for 2026	10
40	Briefing and Discussion	Climate and Health Equity: KC Strategic Climate Action Plan & Public Health role	20
41			

Draft

42	July 17, 2025			
43	Type	Description	Est. Time	Meeting Lead
44	Briefing and Discussion	Update on BOH membership plans and recruitment for 2026	10	Joy Carpine-Cazzanti
45	Briefing and Discussion	King County Target Zero Strategic Plan 2024-2027	20	PHSKC & Kent Police Dept.
46				
47	August - cancel due to recess			
48	September 18, 2025			
49	Type	Description	Est. Time	Meeting Lead
50	Briefing and Discussion	Update on BOH membership plans and recruitment for 2026	10	Joy Carpine-Cazzanti
51	Briefing and Discusson	Pet Business/Zoonotic Code and Fees	20	Ryan Kellogg
52	Briefing and Discusson	Food Safety Program Update	20	Eyob Mazengia
53				

Draft

54	October 16, 2025			
55	Type	Description	Est. Time	Meeting Lead
56	Discussion and Possible Action	A RESOLUTION identifying a candidate for re/appointment as the King County Board of Health's selected nonelected member candidate representing public health, health care facilities, and providers.	5-10 min	
57	Discussion and Possible Action	A RESOLUTION identifying a candidate for re/appointment as the King County Board of Health's selected nonelected member candidate representing consumers of public health.	5-10 min	
58	Discussion and Possible Action	A RESOLUTION identifying a candidate for re/appointment as the King County Board of Health's selected nonelected member candidate representing community stakeholders.	5-10 min	
59	Discussion and Possible Action	A RESOLUTION identifying a candidate for re/appointment as the King County Board of Health's selected nonelected alternate member candidate representing community stakeholders.	5-10 min	
60	Briefing and Discusson	Washington State BOH School Environmental Health Rules	20	PHSKC Staff
61				
62	November 20, 2025			
63	Type	Description	Est. Time	Meeting Lead
64	Discussion	2026 Workplan initial discussion	15	
65				
66	December cancelled due to recess			

2025 Workplan

Please send Workplan suggestions to:

Joy Carpine-Cazzanti

kcbohadmin@kingcounty.gov