

Appendix [enter letter during rule adoption phase]: Citation List

**Chapter 173 – 228 WAC
Vessel Sewage No Discharge zones
AO # 17 – 02**

This citation list contains references for data, factual information, studies, or reports on which the agency relied in the adoption for this rule making (RCW 34.05.370(f)).

At the end of each citation is a number in brackets identifying which of the citation categories below the sources of information belongs. (RCW 34.05.272).

Citation Categories	
1	Peer review is overseen by an independent third party.
2	Review is by staff internal to Department of Ecology.
3	Review is by persons that are external to and selected by the Department of Ecology.
4	Documented open public review process that is not limited to invited organizations or individuals.
5	Federal and state statutes.
6	Court and hearings board decisions.
7	Federal and state administrative rules and regulations.
8	Policy and regulatory documents adopted by local governments.
9	Data from primary research, monitoring activities, or other sources, but that has not been incorporated as part of documents reviewed under other processes.
10	Records of best professional judgment of Department of Ecology employees or other individuals.
11	Sources of information that do not fit into one of the other categories listed.

1. State of Washington Department of Ecology. Water Quality Program. July 2016. Final Petition to Designate the Waters of Puget Sound as a No Discharge Zone. Available at: <https://fortress.wa.gov/ecy/publications/SummaryPages/1610020.html>. This is Department of Ecology's Final Petition requesting that the United States Environmental Protection Agency designate the Puget Sound as defined in the petition a No Discharge Zone for vessel sewage. [#4]

CITATION LIST - DRAFT

2. State of Washington Department of Ecology. Water Quality Program. October 2016. Supplementary information on vessel pumpout availability to the Final Petition to Designate the Waters of Puget Sound as a No Discharge Zone. Available at: <http://www.ecy.wa.gov/programs/wq/nonpoint/CleanBoating/EPAletterVesselPumpoutAvailabilityOct2016.pdf>. This is Department of Ecology's supplemental information on commercial vessel pumpout availability per the United States Environmental Protection Agency's request. [#4]
3. United States Environmental Protection Agency Federal Register Notice. February 2017. Washington State Department of Ecology Prohibition of Discharges of Vessel Sewage; Final Affirmative Determination. Available at: <https://www.federalregister.gov/documents/2017/02/21/2017-03353/washington-state-department-of-ecology-prohibition-of-discharges-of-vessel-sewage-final-affirmative>. This is the Federal Register Notice of the Environmental Protection Agency's final determination that adequate facilities for the safe and sanitary removal and treatment of sewage from all vessels are reasonably available for waters of Puget Sound. [#7]
4. United States Environmental Protection Agency. January 2017. Puget Sound No-Discharge Zone Response to Comments. Available at: <https://www.epa.gov/sites/production/files/2017-02/documents/puget-sound-ndz-response-to-comments-01192017.pdf>. This is a response to the 40,462 comments received on the preliminary affirmative determination. [#7]
5. Herrera Environmental Consultants Inc. for the Washington State Department of Ecology. March 2012. No Discharge Zone Petition Requirements and Petition Research. Available at: <https://fortress.wa.gov/ecy/publications/parts/1210031part1.pdf>. This report summarizes the requirements and approaches to petition EPA for a NDZ and an overview of research on some other states petitions. [#3]
6. Herrera Environmental Consultants Inc. for the Washington State Department of Ecology. April 2012. Puget Sound Condition, Vessel Sewage Discharge, and the Costs and Benefits of Establishing an NDZ. Available at: <https://fortress.wa.gov/ecy/publications/parts/1210031part2.pdf>. This report provides an inventory of Puget Sound conditions and identifies areas that are sensitive to nutrients and pathogens. It also has an overview of existing regulations and agreements governing vessel sewage discharges in Puget Sound and a basic assessment of the types of efficacy of MSDs. It summarizes the costs and benefits of establishing an NDZ. [#3]
7. Herrera Environmental Consultants Inc. for the Washington State Department of Ecology. April 2012. Puget Sound Vessel Populations and Pumpout Facility Report. Available at: <https://fortress.wa.gov/ecy/publications/parts/1210031part3.pdf>. This report provides an assessment of Puget Sound's vessel population and the availability of pumpout facilities. [#3]
8. Herrera Environmental Consultants Inc. for the Washington State Department of Ecology. June 2013. Phase 2 Vessel Population and Pumpout Facility Estimates. Available at: <https://fortress.wa.gov/ecy/publications/parts/1210031part4.pdf>. This report provides an

CITATION LIST - DRAFT

- assessment of Puget Sound's vessel population and the availability of pumpout facilities. [#3]
9. Herrera Environmental Consultants Inc. for the Washington State Department of Ecology. April 2013. Puget Sound Recreational Boater Survey Results. Available at: <https://fortress.wa.gov/ecy/publications/parts/1210031part5.pdf>. This report summarizes the Puget Sound Boater Survey for recreational boats that was conducted in the summer of 2012 to collect data about sewage management practices and habits. [#3]
 10. Herrera Environmental Consultants Inc. for the Washington State Department of Ecology. November 2013. Phase 2 Commercial Vessel Sewage Management and Pumpout. Available at: <https://fortress.wa.gov/ecy/publications/parts/1210031part6.pdf>. This report summarizes the results of an information gathering effort about wastewater management practices of commercial vessels operating in Puget Sound. [#3]
 11. Herrera Environmental Consultants Inc. for the Washington State Department of Ecology. November 2013. A Review of Implementation Strategies in Other States. Available at: <https://fortress.wa.gov/ecy/publications/parts/1210031part7.pdf>. This report provides a summary of NDZ implementation done in other NDZ areas and recommendations for implementation of an NDZ in Puget Sound. [#2]
 12. State of Washington Department of Ecology. Water Quality Program. 2013. Advisory Group Meeting Notes. Available at: <http://www.ecy.wa.gov/programs/wq/nonpoint/CleanBoating/NDZadvisorymtgnotes1-2.pdf>. This report summarizes Ecology convened stakeholder meetings that reviewed the available research and addressed other potential issues related to the NDZ. [#3]
 13. State of Washington Department of Ecology. Water Quality Program. February 2014. Draft Petition to Designate the Waters of Puget Sound as a No Discharge Zone. Available at: <https://fortress.wa.gov/ecy/publications/documents/1410008.pdf>. This draft petition was submitted to the United States Environmental Protection Agency and for public comment. [#4]
 14. State of Washington Department of Ecology. Water Quality Program. January 2015. Response to Comments: 2014 Draft Petition to Designate the Waters of Puget Sound as a No Discharge Zone. Available at: <https://fortress.wa.gov/ecy/publications/documents/1510001.pdf>. This is a response to the more than 26,000 comments received on the draft petition was submitted to the United States Environmental Protection Agency and for public comment. [#10]
 15. Herrera Environmental Consultants Inc. for the Washington State Department of Ecology. November 2013. Puget Sound NDZ Commercial Vessel Economic Evaluation Memorandum. Available at: <https://fortress.wa.gov/ecy/publications/documents/1610015.pdf>. This memorandum summarizes an evaluation of potential cost impacts of an NDZ for commercial tugboats, commercial fishing, and small passenger vessels. [#3]
 16. State of Washington Department of Ecology. February 2016. No Discharge Zone Implementation Strategy, A Framework for Action. Available at:

CITATION LIST - DRAFT

- <https://fortress.wa.gov/ecy/publications/documents/1610016.pdf>. This report lays out the education, outreach and enforcement strategy for implementing an NDZ in Puget Sound. [#3]
17. Alaska Department of Environmental Conservation. 2013. Small Cruiseship sample reports. Available at: http://dec.alaska.gov/water/cruise_ships/reports.htm. Includes sample results including fecal coliform for type II Marine Sanitation Devices for blackwater from small cruise ships in Alaska for each year. [#9]
 18. Washington State Department of Health and University of Washington. November 2007. Assessment of Potential Health Impacts of Virus Discharge from Cruise Ships to Shellfish Growing Areas in Puget Sound. Available at: <http://www.doh.wa.gov/Portals/1/Documents/4400/332-062-cruise-ship-report.pdf>. This is a study of potential human health impacts from virus discharges from large passenger vessels. [#11]
 19. United States Environmental Protection Agency. December 2008. Cruise Ship Discharge Assessment Report. Available at: <https://nepis.epa.gov/Exe/ZyNET.exe/P1002SVS.txt?ZyActionD=ZyDocument&Client=EPA&Index=1995%20Thru%201999%7C1976%20Thru%201980%7C2006%20Thru%202010%7C1991%20Thru%201994%7CHardcopy%20Publications%7C2000%20Thru%202005%7C1986%20Thru%201990%7C2011%20Thru%202015%7C1981%20Thru%201985%7CPrior%20to%201976&Docs=&Query=EPA842%2007%20005%20&Time=&EndTime=&SearchMethod=2&TocRestrict=n&Toc=&TocEntry=&QField=&QFieldYear=&QFieldMonth=&QFieldDay=&UseQField=&IntQFieldOp=0&ExtQFieldOp=0&XmlQuery=&File=D%3A%5CZYFILES%5CINDEX%20DATA%5C06THRU10%5CTXT%5C00000006%5CP1002SVS.txt&User=ANONYMOUS&Password=anonymous&SortMethod=-f%3Apubnumber&MaximumDocuments=15&FuzzyDegree=-1&ImageQuality=r85g16/r85g16/x150y150g16/i500&Display=hpfr&DefSeekPage=x&SearchBack=ZyActionL&Back=ZyActionS&BackDesc=Results%20page&MaximumPages=1&ZyEntry=1&SeekPage=x>. This is an assessment of cruise ship waste streams indicating average fecal coliform concentrations in traditional type II Marine Sanitation Devices blackwater effluent. [#4]
 20. Washington State Department of Ecology. Environmental Assessment Program and Water Quality Program. April 2016, January 2016. Tracer simulations to investigate how waters move in Puget Sound and the Salish Sea to address questions related to the draft proposed No Discharge Zone petition; addendum to memo – CORMIX Modeling. Available at: http://www.ecy.wa.gov/programs/wq/nonpoint/CleanBoating/TracerMemo-NDZ-EAP_041216.pdf. <http://www.ecy.wa.gov/programs/wq/nonpoint/CleanBoating/TracerMemoCORMIXAddendum.pdf>. This memorandum and addendum summarizes results from computer modeling that simulates potential vessel discharges of contaminants in Puget Sound and the Salish Sea using a conservative tracer, evaluating areas influenced by those discharges. [#3]
 21. United States Environmental Protection Agency. January 2010. Evaluation of Improved Type 1 Marine Sanitation Devices: Performance Evaluation Report. Available at:

CITATION LIST - DRAFT

<https://nepis.epa.gov/Adobe/PDF/P1007JT5.PDF>. This is a study of performance testing of type I Marine Sanitation Devices in a simulated laboratory setting. [#11]

22. Kitsap County Public Health. 2010. Liberty Bay Marina Study. Available at: http://www.kitsappublichealth.org/environment/files/reports/Liberty_Marina_Study_2010.pdf. This is an assessment of the impact to water quality from untreated sewage discharges and differences in water quality inside versus outside the marina. [#11]