



I-502 Producer/Processor Wastewater Discharge Checklist

Washington State's water pollution control law requires a permit for the discharge of industrial or commercial wastewater to "waters of the state", which includes surface and groundwater. Dischargers of wastewater must provide all known available and reasonable methods of treatment (AKART), prevention and control before discharge. The Washington State Department of Ecology (Ecology) regulates discharges of wastewater with permits to ensure AKART is provided and that public health is protected.

Checklist

Ecology developed this checklist to determine if a process wastewater associated with an I-502 producer/processor will discharge to waters of the state and require a discharge permit. Please submit the completed checklist 60 days in advance of the start of producing/processing operations to allow sufficient time for review.

Wastewater Discharge Options

Ecology will not require a discharge permit when the completed checklist shows there will be no discharge of a pollutant into waters of the state when the I-502 applicant implements AKART. Wastewater information on this new industry is evolving. In the majority of cases to date, the volume of wastewater from I-502 producer/processors is considered to be minimal or there is no discharge.

Potential discharge options:

1. Publicly Owned Wastewater Treatment Works

Discharge to a local municipal sanitary sewer system is the preferred option for I-502 facilities that have discharges associated with cleaning, rinsing, THC extraction, hydroponic irrigation, and the manufacture of edible products. Discharges can be either direct connection to the sewer collection system, or by collecting the I-502 wastewater in a tank and transporting it to the municipal sanitary system for disposal. Written approval must be obtained from the local sewer agency prior to commencing any discharge. It is highly recommended that I-502 facilities considering this option contact the Water Quality Program's pre-treatment engineer at the appropriate regional Ecology office for guidance.

2. Septic Tank and Drain Field/French Drain

Ecology does not allow commercial or industrial wastewater to be discharged to a septic tank/drain field or French drain system. Ecology does not accept that septic tanks/French drains provide AKART for commercial and industrial wastewater, unless the discharge meets the requirements of the local health department. Ecology generally considers the presence of floor drains in an I-502 producer/processor facility to be connected to a septic tank/drain field system.

3. Surface Water Discharge

Ecology strongly discourages this discharge option. It would require that the operation be permitted under the federal National Pollutant Discharge Elimination System (NPDES) under the authority of the Clean Water Act. The permit would contain stringent discharge limitations and testing requirements.

4. Land Application/Spray Irrigation

This option could require the I-502 proponent to submit an engineering report to Ecology that describes AKART for the I-502 facility and a groundwater analysis of the site. Ecology would subsequently issue a state waste discharge permit that would require monitoring the wastewater and the groundwater. Contact the appropriate regional Ecology regional office for guidance on this option.

Prohibited discharge options:

1. Drywells

Drywells and infiltration trenches with perforated pipe are underground injection control wells and cannot be used for disposing of any industrial or commercial process wastewater. For more information see: <http://www.ecy.wa.gov/programs/wq/grndwtr/uic/index.html>.

2. Stormwater Collection Systems

The discharge of any industrial or commercial process wastewater into a stormwater system is prohibited.

Other Environmental Considerations

Ecology maintains a website: <http://www.ecy.wa.gov/topics/marijuana.html> providing information about other environmental considerations for I-502 licensees.

Questions?

Ecology encourages I-502 producers/processors to contact their county's regional Water Quality Program office for assistance in completing the wastewater discharge checklist.

- **Southwest Regional Office** (Clallam, Clark, Cowlitz, Grays Harbor, Jefferson, Mason, Lewis, Pacific, and Pierce counties): (360) 407-6300
- **Northwest Regional Office** (Island, King, Kitsap, San Juan, Skagit, Snohomish, and Whatcom counties): (425) 649-7000
- **Central Regional Office** (Benton, Chelan, Douglas, Kittitas, Klickitat, Okanogan, and Yakima counties): (509) 575-2490
- **Eastern Regional Office** (Adams, Asotin, Columbia, Ferry, Franklin, Garfield, Grant, Lincoln, Pend Oreille, Spokane, Stevens, Walla Walla, and Whitman counties): email: I-502Projects@ecy.wa.gov, phone: primary (509) 329-3536, backup (509) 329-3518

To request ADA accommodation including materials in a format for the visually impaired, call the Water Quality Program at Ecology, 360-407-6600. Persons with impaired hearing may call Washington Relay Service at 711. Persons with speech disability may call TTY at 877-833-6341.

ECY 070-533 (08/16)

Washington State Liquor Control Board (WSLCB) License Number: _____ Type (e.g., Tier 1): _____

SECTION A. GENERAL INFORMATION

- Attach a copy of the Operation Plan submitted with the WSLCB License Application.
1. Business name _____
 2. Owner _____
 3. Operator _____
 4. Primary contact _____
 5. Business address _____
 6. Phone _____
 7. Email _____
 8. Latitude/longitude in decimal degrees (NAD83/WGS84) _____ / _____
 9. Site size (dimensions in feet) _____ x _____
 10. Zoning _____
 11. Soil type (available from NRCS at: <http://websoilsurvey.nrcs.usda.gov/app/>) _____
 12. Nearest surface water body (stream, lake, wetland) _____
 13. Distance from surface water body (feet) _____
 14. Depth to groundwater (feet) _____
 15. Average ground slope of production site (percent) _____
 16. Nearest well (feet), well type and owner _____
 17. Legal description of the nearest well (to the nearest 1/4 1/4 section, township, range) _____ 1/4S _____ 1/4S _____ S _____ TWN _____ R

SECTION B. PRODUCTION WASTEWATER

Yes No Is production (growing) proposed at this location? If no, proceed to Section C.

1. Describe any differences between the Operation Plan and the actual planned production (growing) _____
2. What is the water source? _____
If private well, provide legal description of the well (to the nearest 1/4 1/4 section, township, range) _____ 1/4S _____ 1/4S _____ S _____ TWN _____ R
If public water supply, provide name _____
3. Production type (soil, hydroponic, aeroponic) _____
If hydroponic, list reservoir size (gallons) _____
Frequency of water exchange (days or weeks) _____
Approximate volume of water exchange (gallons) _____
4. Estimated annual production (pounds) _____
5. Months of production _____
6. Number of harvests per year _____
7. Name(s) of cleaning products used _____
8. Average volume of production wastewater produced daily (gallons) _____
9. Discharge to publicly owned sanitary wastewater collection and treatment system? Yes No
If yes, name of system _____
10. Do you have written approval from the publically owned system? Yes No
If yes, attach the approval letter
If no, what is the proposed method of wastewater disposal (e.g., land application, irrigation)? _____
11. If land application or irrigation is proposed, provide the number of acres used for application _____
Provide a legal description of the application site (to the nearest 1/4 1/4 section, township, range) _____ 1/4S _____ 1/4S _____ S _____ TWN _____ R
Attach an aerial map of the acreage
12. Explain what steps or measures will be taken to minimize the amount of wastewater generated, or improve the quality of wastewater produced. _____

SECTION C. PROCESSING WASTEWATER

Yes No Is processing proposed at this location? If no, STOP.

1. Describe any differences between the Operation Plan and the actual planned processing _____
2. Average volume of processing wastewater produced daily (gallons) _____
3. Will THC be extracted? _____
If yes, what extraction chemicals will be used? _____
4. Will edible products be produced? _____
If yes, name products _____
5. What is the estimated annual production (pounds) of each edible product? _____
6. Months of production _____
7. Discharge to publicly owned sanitary wastewater collection and treatment system? Yes No
If yes, name of system _____
8. Do you have written approval? Yes No
If yes, attach the approval letter
If no, what is the proposed method of wastewater disposal (e.g., land application, irrigation)? _____
9. If land application or irrigation is proposed, provide the number of acres used for application _____
Provide a legal description of the application site (to the nearest 1/4 1/4 section, township, range) _____ 1/4S _____ 1/4S _____ S _____ TWN _____ R
Attach an aerial map of the acreage
10. Explain what steps or measures will be taken to minimize the amount of wastewater generated, or improve the quality of wastewater produced. _____
11. What is the water source? _____
If private well, provide legal description of the well (to the nearest 1/4 1/4 section, township, range) _____ 1/4S _____ 1/4S _____ S _____ TWN _____ R
If public water supply, provide name _____
12. Estimated average daily water use (gallons/day) _____