

City of Bainbridge Island
Building Division



Generator/Heat Pump/LP Tank Permit Packet

PLANNING AND COMMUNITY DEVELOPMENT ● 280 Madison Ave. N ●
Bainbridge Island, WA 98110 ● (206) 842-2552 ● Fax: (206)780-0955

Email: pcd@ci.bainbridge-isl.wa.us

In accordance with the Bainbridge Island Municipal Code "Chapter **18.78.040 Utilities**. Overhead and underground utilities are permitted in setbacks. (Ord. 2004-02 § 1, 2004; Ord. 92-08 § 2, 1992)". Generators, Heat Pumps and LP Tanks must meet minimum requirements for setback requirements and permissible environmental noise levels.

SUBMITTAL REQUIREMENTS: The following information is needed to process a permit request for Generators; Heat Pumps and LP Tanks. Further information may be required for your specific project.

Type of Permit Requested GENERATOR HEAT PUMP LP TANK

Building permit application.

BUILDING PERMIT # BLD

TWO COPIES OF THE FOLLOWING:

Site Plans with:

1. North Arrow
2. Property lines: Show the location, dimension of all property lines
3. Existing and **proposed structures**: Show location, dimension, and use of all existing and proposed buildings and structures on the site; show distances to property lines from wall of structure.
4. Land use code setbacks: Show front, side, and rear setbacks.
5. Critical Areas: Any critical areas (streams, wetlands, slopes) and the applicable buffer must be shown.
6. Retaining walls, rockeries and fences: Indicate location, length, and height.
7. Driveways and parking: Show location of on-site parking and driveways.
8. Rights-of-way & Easements: Locate and label the adjacent rights-of-way (ROW) existing centerline, curb, and sidewalk. Distances to ROW centerline must be to scale. Show the location for all existing and proposed utility, open space, drainage, native growth protection, conservation, access easements and /or private roads; drawn to scale with accurate dimensions for your property as well as adjacent properties.
9. Ordinary High Water Line: Must be shown if site is situated within shoreline jurisdiction (approximately 200' landward of Ordinary High Water).
10. **Location, Size** _____ **(gallons)** & **Type** _____ of Fuel being used.

Heat Pump/Generator Factory Specifications (must include decibel levels to property lines). If the decibel levels exceed 45dBA at the nearest property line, a noise reduction structure is required to achieve no more than 45dBA at the nearest property line.

Drawings for the Noise reduction structure (if required). Cross section with anchorage to the ground, construction of the structure and it's location on the site map.

- Fees Generator**
 - Plan Check Review/Building Permit Fee\$66.27
 - Planning Review Fee\$90.00 (Due at time of submission)
 - State Building Code Council (SBCC).....\$4.50

Total: \$160.77

Fees Heat Pumps and LP Tanks based on Mechanical Handout sheet

COMMERCIAL HEAT PUMPS – FEES BASED ON CONTRACTOR VALUATION

- Electrical Permits** – Contact the Department of Labor & Industries in Bremerton at 360.415.4000

INSPECTIONS

INSPECTION REQUEST LINE – 206.780.3789

- _____ **1. Setback.**
- _____ **2. Generator/Heat Pump/LP Tank Location.**
- _____ **3. Fuel Lines under test, if applicable.**
- _____ **4. Equipment Setup/Installation.**
- _____ **5. Noise Reduction Structure (if required), performed by Planner.**
- _____ **6. Electrical Inspection must be signed off PRIOR to calling for a Final Inspection. Please call Labor & Industries at 360.415.4000.**
- _____ **7. (Signature) Final Inspection.**

Inspections 1- 5 can be inspected at the same time and are normally done 1st. Inspections 6 – 7 are normally inspected on the second trip.

16.16.020 Maximum environmental noise levels.

WAC 173-60-020, 173-60-040 and 173-60-090 are adopted by reference. WAC 173-60-050 is also adopted by reference, except as to WAC 173-60-050(3)(a). (Ord. 2001-04 § 3, 2001; Ord. 75-13 § 2, 1975)

WAC 173-60-020 - Definitions

- (1) "Background sound level" means the level of all sounds in a given environment, independent of the specific source being measured.
 - (2) "dBA" means the sound pressure level in decibels measured using the "A" weighting network on a sound level meter. The sound pressure level, in decibels, of a sound is 20 times the logarithm to the base 10 of the ratio of the pressure of the sound to a reference pressure of 20 micropascals.
 - (3) "Department" means the department of ecology.
 - (4) "Director" means the director of the department of ecology.
 - (5) "Distribution facilities" means any facility used for distribution of commodities to final consumers, including facilities of utilities that convey water, waste water, natural gas, and electricity.
 - (6) "EDNA" means the environmental designation for noise abatement, being an area or zone (environment) within which maximum permissible noise levels are established.
 - (7) "Existing" means a process, event, or activity in an established area, producing sound subject to or exempt from this chapter, prior to the effective date of September 1, 1975.
 - (8) "Local government" means county or city government or any combination of the two.
 - (9) "Noise" means the intensity, duration and character of sounds, from any and all sources.
 - (10) "Person" means any individual, corporation, partnership, association, governmental body, state agency or other entity whatsoever.
 - (11) "Property boundary" means the surveyed line at ground surface, which separates the real property owned, rented, or leased by one or more persons, from that owned, rented, or leased by one or more other persons, and its vertical extension.
 - (12) "Racing event" means any motor vehicle competition conducted under a permit issued by a governmental authority having jurisdiction or, if such permit is not required, then under the auspices of a recognized sanctioning body.
 - (13) "Receiving property" means real property within which the maximum permissible noise levels specified herein shall not be exceeded from sources outside such property.
 - (14) "Sound level meter" means a device which measures sound pressure levels and conforms to Type 1 or Type 2 as specified in the American National Standards Institute Specification S1.4-1971.
- [Statutory Authority: Chapter 70.107 RCW. 94-12-001 (Order 92-41), § 173-60-020, filed 5/18/94, effective 6/18/94; 83-15-046 (Order DE 82-42), § 173-60-020, filed 7/19/83; Order DE 77-1, § 173-60-020, filed 6/1/77; Order 74-32, § 173-60-020, filed 4/22/75, effective 9/1/75.]

WAC 173-60-030 -Identification of environments.

- (1) Except when included within specific prior designations as provided in subsections (2), (3), and (4) of this section, the EDNA of any property shall be based on the following typical uses, taking into consideration the present, future, and historical usage, as well as the usage of adjacent and other lands in the vicinity.
 - (a) Class A EDNA - Lands where human beings reside and sleep. Typically, Class A EDNA will be the following types of property used for human habitation:
 - (i) Residential
 - (ii) Multiple family living accommodations
 - (iii) Recreational and entertainment, (e.g., camps, parks, camping facilities, and resorts)
 - (iv) Community service, (e.g., orphanages, homes for the aged, hospitals, health and correctional facilities)

WAC 173-60-040 - Maximum permissible environmental noise levels.

- (1) No person shall cause or permit noise to intrude into the property of another person which noise exceeds the maximum permissible noise levels set forth below in this section.
- (2)(a) The noise limitations established are as set forth in the following table after any applicable adjustments provided for herein are applied.

EDNA OF NOISE SOURCE		EDNA OF RECEIVING PROPERTY	
	Class A	Class B	Class C
CLASS A	55 dBA	57 dBA	60 dBA
CLASS B	57	60	65
CLASS C	60	65	70

- (b) Between the hours of 10:00 p.m. and 7:00 a.m. the noise limitations of the foregoing table shall be reduced by 10 dBA for receiving property within Class A EDNAs.
 - (c) At any hour of the day or night the applicable noise limitations in (a) and (b) above may be exceeded for any receiving property by no more than:
 - (i) 5 dBA for a total of 15 minutes in any one-hour period; or
 - (ii) 10 dBA for a total of 5 minutes in any one-hour period; or
 - (iii) 15 dBA for a total of 1.5 minutes in any one-hour period.
- [Order 74-32, § 173-60-040, filed 4/22/75, effective 9/1/75.]

WAC 173-60-090 - Enforcement policy.

Noise measurement for the purposes of enforcing the provisions of WAC 173-060-040 shall be measured in dBA with a sound level meter with the point of measurement being at any point within the receiving property. Such enforcement shall be undertaken only upon receipt of a complaint made by a person who resides, owns property, or is employed in the area affected by the noise complained of, EXCEPT for parks, recreational areas, and wildlife sanctuaries. For enforcement purposes pursuant to RCW 70.107.050, each day, defined as the 24-hour period beginning at 12:01 a.m., in which violation of the noise control regulations (chapter 173-60 WAC) occurs, shall constitute a separate violation.

[Order DE 76-5, § 173-60-090, filed 2/5/76; Order 74-32, § 173-60-090, filed 4/22/75, effective 9/1/75.]