

## BOARD OF WATER SUPPLY

CITY AND COUNTY OF HONOLULU  
630 SOUTH BERETANIA STREET  
HONOLULU, HI 96843  
[www.boardofwatersupply.com](http://www.boardofwatersupply.com)



April 8, 2022


Reviewed and concurred upon by the  
Environmental Advisory  
Council, State of Hawaii, on April 5, 2022

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Via email: [dbedt.opsd.erp@hawaii.gov](mailto:dbedt.opsd.erp@hawaii.gov)

Attention: Puananionaona Thoene, Chair, The Environmental Advisory Council

Subject: City and County of Honolulu Board of Water Supply's Exemption List

Ms. Puananionaona Thoene, the Honolulu Board of Water Supply is pleased to submit its exemption list for stamped concurrence and publishing on the Environmental Review Program's web page. The final list has been edited to address the minor grammatical edit discussed during the Council's meeting on April 5<sup>th</sup>, 2022. It has also been edited to reflect this amendment and concurrence date on the first page.

If you have any questions or comments, please feel free to call Dominic Dias at (808) 748-5928, or via email at [ddias@hbws.org](mailto:ddias@hbws.org).

Very truly yours,



ERNEST Y. W. LAU, P.E.  
Manager and Chief Engineer

Attachment

**COMPREHENSIVE EXEMPTION LIST FOR THE CITY AND COUNTY OF  
HONOLULU BOARD OF WATER SUPPLY**

**Amended April 5, 2022**

**Pursuant to HAR §11-200.1-8, all exemptions under Subchapter 8 are inapplicable when the cumulative impact of planned successive actions in the same place, over time, is significant, or when an action that is normally insignificant in its impact on the environment may be significant in a particularly sensitive environment.**

**Part 1 - De Minimis Actions:**

Routine activities and ordinary functions within the jurisdiction or expertise of the agency that by their nature do not have the potential to individually or cumulatively adversely affect the environment more than negligibly and that the agency considers to not rise to the level of requiring chapter 343, HRS, environmental review. Examples of routine activities and ordinary functions may include, among others: routine repair, routine maintenance, purchase of supplies, and continuing administrative activities involving personnel only, nondestructive data collection, installation of routine signs and markers, financial transactions, personnel-related matters, construction or placement of minor structures accessory to existing facilities; interior alterations involving things such as partitions, plumbing, and electrical conveyances.

**(1) Operations, repairs or maintenance of existing structures, facilities, equipment, or topographical features, involving negligible or no expansion or change of use beyond that previously existing;**

1. Painting of structure exterior or interior
2. Repair of damage to structure exterior or interior caused by termites, dry rot, spalling, cracking, delaminating, and so forth
3. Fumigation and treatment of building for termites, cockroaches, ants, vermin, and other pests using pesticides registered by the State Department of Agriculture and the EPA
4. Floodlighting less than 15 feet in height for security, safety, and decorative purposes, which is low blue spectrum lighting, shielded to minimize fugitive light
5. Litter container pick up
6. Manhole and meter box adjustment

7. Parking lot cleaning
8. Parking lot resurfacing and striping
9. Reroofing
10. Maintenance of spillway channels and streams by use of hand tools and light equipment, but not by use of herbicides
11. Storm drain cleaning
12. Vegetation clearing from vacant lots, except by use of herbicides
13. Repair of vehicles, equipment and tools including testing and maintenance of compressors, generators, tapping and boring machines, pipe cutters, small water pumps, welding and soldering equipment, electrical testing equipment, water analysis equipment, and telemetering equipment
14. Well sealing
15. Repair and maintenance of pipeline tunnels
16. Repair and maintenance of access roads and pathways
17. Mechanical control of vegetation along roadways, trails, and building sites
18. Repair and maintenance of water mains, meters, fire hydrants, fire standpipes, valves, manholes, stream gages, and monitor wells
19. Repair and maintenance of water treatment equipment and facilities
20. Repair and maintenance of water well and booster pumps, pressure breaker tanks, surface and ground water intakes, remote control valves, chlorination equipment, and appurtenances
21. Repair and maintenance of electrical equipment
22. Repair and maintenance of cable cars, tracks and winches
23. Repair and maintenance of elevators
24. Repair and maintenance of fencing and gates
25. Repair of curbs and sidewalks

26. Repair and maintenance of tank reservoirs and pump buildings
27. Repair and maintenance of retaining walls and screen walls
28. Repair and maintenance of air conditioning and ventilator equipment
29. Repair and maintenance of telemetered circuits and communications systems
30. Repair and maintenance of microwave reflectors, antennas, towers and poles
31. Repair of berms
32. Repair of bridging for pipeline support
33. Repair of drainage structures and storm drain lines
34. Repair and maintenance of footbridges
35. Repair and maintenance of guardrails
36. Repair and maintenance of electrical equipment
37. Repair of fuel tanks
38. Maintenance of dams
39. Acquisition of land or easements required for existing facilities
40. Maintenance of grounds by such means as mowing, trimming and weeding
41. Spot control and treatment of plant growth, insects and weeds of landscaped grounds of the department using pesticides and herbicides approved by the State Department of Agriculture and the EPA, where mowing, trimming, weeding and other means or methods are not feasible
42. Temporary and permanent road patching for repair and maintenance of water facilities
43. Rock removal to stabilize slopes
44. Slope stabilization using rip-rap, shotcrete, net drapery, rockfall impact barrier, or other methods
45. Hydro-mulching or using other methods to prevent soil erosion

**(2) Replacement or reconstruction of existing structures and facilities where the new structure will be located generally on the same site and will have substantially the same purpose, capacity, density, height, and dimensions as the structure replaced;**

1. Replacement or reconstruction:
  - a. Buildings provided there would be no substantial change in use
  - b. Bridging for pipeline support
  - c. Berms
  - d. Drainage structures
  - e. Driveways
  - f. Bridges
  - g. Curbs and sidewalks
  - h. Wells
  - i. Booster pumps
  - j. Pressure breaker tanks
  - k. Surface and groundwater intakes
  - l. Remote control valves
  - m. Chlorination and water treatment
2. Replacement of:
  - a. Equipment, including electrical and water treatment
  - b. Partitions, doors, windows, and plumbing
  - c. Guardrails
  - d. Fuel tanks and associated infrastructure related to its spill prevention control and countermeasures
  - e. Water meters, fire hydrants, fire standpipes, manholes, stream gages, and monitor wells

- f. Water well and booster pumps and appurtenances
  - g. Cable cars, tracks and winches
  - h. Elevators
  - i. Fencing and gates
  - j. Telemetered circuits and communications systems
  - k. Microwave reflectors, antennas, towers, and poles
- 3. Replacement of signs
  - 4. Replacement of vehicles, equipment, tools including compressors, generators, tapping and boring machines, small water pumps, welding and soldering equipment, electrical testing equipment, water analysis equipment, and telemetering equipment

**(3) Construction and location of single, new, small facilities or structures and the alteration and modification of same and installation of new small equipment and facilities and the alteration and modification of same including but not limited to: (a) single family residences less than 3,500 square feet, if not in conjunction with the building of two (2) or more such units; (b) multi-unit structures design for not more than four (4) dwelling units, if not in conjunction with the building of two (2) or more such structures; (c) stores, offices and restaurants designed for total occupant load of twenty (20) persons or less, if not in conjunction with the building of two (2) or more such structures; (d) water, sewage, electrical, gas, telephone, and other essential public utility services extensions to serve such structures or facilities; and (e) accessory or appurtenance structures including garages, carports, patios, swimming pools, and fences; and acquisition of utility easements;**

- 1. Construction and alteration of:
  - a. Carports and garages (less than 3500 square feet) on or at existing BWS parcels or facilities
  - b. Cement rubble masonry, hollow block, or reinforced concrete walls not more than six feet in height
  - c. Fencing
  - d. Guardrails
  - e. Sidewalks and covered walkways

- f. Observation well shelters (kiosks)
  - g. Stream gauging stations
  - h. Rain gauging stations
  - i. Telemetry and remote control (**SCADA**) equipment and appurtenances including interior or exterior cabinets, solar power equipment, antenna, electronic equipment, and telemetry equipment
  - j. Shelters for emergency generators at existing pump stations
  - k. Site security upgrades including fencing, access controls, intrusion alarms, security cameras, and telemetry
  - l. Existing building and facilities to comply with the Americans with Disabilities Act (ADA) requirements
  - m. Construction at existing facilities of small new building or small building additions, such as storage sheds, offices or shower/locker rooms
  - n. Construction or location of portable field buildings
  - o. Construction or location of temporary field buildings
2. Installation and modification of:
- a. Office air conditioning and ventilation
  - b. Equipment in existing building, such as emergency electric generators in existing water pump stations
  - c. Intrusion alarm systems
  - d. Monitoring devices
  - e. Water meters and service laterals
  - f. Motor control centers and chlorinator buildings
  - g. Telemetering and other monitoring and control equipment
3. Installation of new water service connections off existing mains
4. Extension of water laterals
5. Installation of temporary emergency water well pumping, filtration and water treatment equipment

6. Construction of additional storage tank capacity not to exceed 100,000 gallons, on or at existing BWS parcels or facility
7. Alterations to water well pumping equipment including installation of control valves, chlorination systems or alterations of pump
8. Utility connections for electricity, gas and sewage
9. Window modifications
10. Installation of telemetering equipment and wires
11. Installation of signs
12. Installation of filtration and water treatment equipment
13. Installation of monitoring equipment and facilitators for measuring physical, chemical and biological parameters of water quality
14. Installation of pressure regulating equipment such as booster pumps, pressure reducers, pressure relief valves, etc. where the intent is to route water from one pressure zone to the next; including associated infrastructure to house the equipment.
15. Installation of exterior lights designed to mitigate impacts to wildlife and aesthetics. Exterior lights will be 15 feet or less above ground level, and will be low blue spectrum lighting, shielded to minimize fugitive light

**(4) Minor alterations in the condition of land, water or vegetation;**

1. Construction of berms
2. Tree trimming and removal of trimmings, grubbing and mowing of lawn area, planting of trees, other plants and sods, and pruning of trees and shrubs
3. Construction of drainage ditches
4. Construction of footpaths
5. Landscaping and installation of irrigation systems
6. Construction of seepage drains, including dry wells for groundwater recharge
7. Minor adjustments for landscaping purposes or for leveling grounds for which grading permits are not required



8. Temporary access roads with minimal grading and tree removal to repair and maintain existing facilities
9. Incidental clearing of land and preliminary work sites for surveying, engineering design, and geologic and hydrologic studies

**(5) Basic data collection, research, experimental management, and resource evaluation activities which do not result in a serious or major disturbance to an environmental resource;**

1. Chemical, biological and viral laboratory analyses
2. Fresh and saline water sampling
3. Recycling of wastewater studies
4. Stream studies and surveys
5. Subsurface exploration soil boring and archaeological investigation. Archaeological investigation includes historical research and archaeological inventory surveys, including subsurface pits
6. Collection of geologic samples
7. Leak detection surveys
8. Use at any one time of not more than 5.0 curies of Americium 241 and Beryllium and the storage of the same radioactive material for well logging purposes in accordance with the requirement of the USA Nuclear Regulatory Commission
9. Surveying, engineering design, and geologic and hydraulic studies with minor trimming of vegetation
10. Surveying work to verify control points and topographic work
11. Drilling and testing of monitor wells as defined by the Commission on Water Resources management. The wells shall not be capable of being used or intended to be used to withdraw groundwater for the purposes of exploring or developing groundwater
12. Collection of water samples for bacteriological and chemical analysis

**(6) Demolition of structures, except those structures that are listed on the national register or Hawaii Register of Historic Places;**

1. Removal of architectural features
2. Demolition of abandoned buildings and structures
3. Demolition of tank reservoirs and other abandoned watersystem appurtenances
4. Removal and disposal of demolition materials
5. Demolition of sidewalks and curbs

**(7) Zoning variances except shoreline setback variances;**

1. Building setback variances

**(8) Continuing administrative activities including**

1. Purchases of supplies, services and equipment to support existing operations
2. Personnel-related actions
3. Subdivision of Board of Water Supply property to accommodate State or County road improvement projects
4. Consolidation of existing parcels acquired over a period of time
5. Acquisition of land easements on which water system facilities and appurtenances are presently situated or under construction

**(9) Acquisition of land and existing structures, including single or multi-unit dwelling units, for the provision of affordable housing, involving no material change of use beyond previously existing uses, and for which the legislature has appropriated or otherwise authorized funding**

None

**(10) New construction of affordable housing, where affordable housing is defined by the controlling law applicable for the state or county proposing agency or approving agency, that meets the following:**

- (a) Has the use of state or county lands or funds or is within Waikiki as the sole triggers for compliance with Chapter 343, HRS;**

- (b) As proposed conforms with the existing state urban land use classification;**
- (c) As proposed is consistent with the existing county zoning classification that allows housing; and**
- (d) As proposed does not require variances for shoreline setbacks or siting in an environmentally sensitive area, as stated in section 11-200.1-13(b)(II);**

None

## **Part 2 – General types of actions for exemption**

Types of actions that the agency considers to be included within the exempt general types listed in Section 11-200.1-15 of the Hawaii Administrative rules

- (1) Operations, repairs or maintenance of existing structures, facilities, equipment, or topographical features, involving negligible or no expansion or change of use beyond that previously existing;**

None

- (2) Replacement or reconstruction of existing structures and facilities where the new structure will be located generally on the same site and will have substantially the same purpose, capacity, density, height, and dimensions as the structure replaced;**

1. Replacement or reconstruction:

- a. Stream retaining walls
- b. Baseyards
- c. Tank Reservoirs

2. Replacement of waterlines and appurtenances including concrete jackets within existing rights-of-way where no change in purpose is intended. Replacement may be size for size, or may involve an increase in pipe diameter if the existing waterline is inadequate to meet current Water System Standards and current zoning requirements

**(3) Construction and location of single, new, small facilities or structures and the alteration and modification of same and installation of new small equipment and facilities and the alteration and modification of same including but not limited to:**

**(a) single family residences less than 3,500 square feet, if not in conjunction with the building of two (2) or more such units;**

None

**(b) multi-unit structures design for not more than four (4) dwelling units, if not in conjunction with the building of two (2) or more such structures;**

None

**(c) stores, offices and restaurants designed for total occupant load of twenty (20) persons or less, if not in conjunction with the building of two (2) or more such structures; and**

1. modular trailer structures
2. modifications to expand for occupant load within the existing facilities

**(d) water, sewage, electrical, gas, telephone, and other essential public utility services extensions to serve such structures or facilities; and (e) accessory or appurtenance structures including garages, carports, patios, swimming pools, and fences; and acquisition of utility easements;**

1. Installation and modification of:
  - a. Storm drain lines
2. Extension of existing waterlines to complete grid within existing rights-of-way and easements
3. Oversizing of new pipelines within existing rights-of-way as allowed by BWS Rules pertaining to extensions of mains (non-growth related)
4. Oversizing of new pipelines within existing rights-of-way for redundancy and water system reliability
5. Extension of existing storm drains

6. Expansion of existing well and booster pump stations to master planned capacity, including installation of filtration, water treatment and additional pumping equipment and appurtenances, provided circumstances have not changed substantively from the time the master plan was prepared
7. Installation of new water mains, fire standpipes and fire hydrants to provide fire protection
8. Installation of new water mains, fire standpipes and fire hydrants to improve water system reliability
9. Installation of new water mains for redundancy and system reliability
10. Installation of underground fuel tanks and dispensers not to exceed 2,000-gallon capacity
11. Construction of carports and garages in excess of 3500 square feet
12. Installation of new hydrants off existing pipeline to provide fire protection
13. Relocations of fire hydrants or fire standpipe to clear new construction such as driveway, or to eliminate a hazardous condition
14. Installation of temporary emergency water well pumping, filtration and water treatment equipment
15. Installation of water sampling stations connected off an existing main
16. Construction of Pressure Reducing Valve (PRV) housing structures

**(4) Minor alterations in the condition of land, water or vegetation;**

None

**(5) Basic data collection, research, experimental management, and resource evaluation activities which do not result in a serious or major disturbance to an environmental resource;**

None

**(6) Demolition of structures, except those structures that are listed on the national register or Hawaii Register of Historic Places;**

None

**(7) Zoning variances except shoreline setback variances;**

None

**(8) Continuing administrative activities;**

None

**(9) Acquisition of land and existing structures, including single or multi-unit dwelling units, for the provision of affordable housing, involving no material change of use beyond previously existing uses, and for which the legislature has appropriated or otherwise authorized funding; and**

None

**(10) New construction of affordable housing, where affordable housing is defined by the controlling law applicable for the state or county proposing agency or approving agency, that meets the following:**

**(a) Has the use of state or county lands or funds or is within Waikiki as the sole triggers for compliance with Chapter 343, HRS;**

**(b) As proposed conforms with the existing state urban land use classification;**

**(c) As proposed is consistent with the existing county zoning classification that allows housing; and**

**(d) As proposed does not require variances for shoreline setbacks or siting in an environmentally sensitive area, as stated in section 11-200.1-13(b)(II);**

None