

WAC 197-11-970 Determination of nonsignificance (DNS).

DETERMINATION OF NONSIGNIFICANCE

Description of proposal: The Washington State Department of Ecology is issuing an agreed order under the Model Toxics Control Act to require the General Electric Company (GE) to conduct a feasibility study and maintain operation of groundwater extraction wells at the 220 S. Dawson Street site. Ecology will select a final site remedy after review of the feasibility study.

Proponent: The WA State Department of Ecology

Location of proposal, including street address, if any: 220 South Dawson Street, Seattle, Washington

Lead agency: The Department of Ecology, Northwest Regional Office, 3190 160th Avenue SE, Bellevue, WA 98008

The lead agency for this proposal has determined that it does not have a probable significant adverse impact on the environment. An environmental impact statement (EIS) is not required under RCW 43.21C.030 (2)(c). This decision was made after review of a completed environmental checklist and other information on file with the lead agency. This information is available to the public on request.

There is no comment period for this DNS.

This DNS is issued after using the optional DNS process in WAC 197-11-355. There is no further comment period on the DNS.

This DNS is issued under WAC 197-11-340(2); the lead agency will not act on this proposal for 14 days from the date below. Comments must be submitted in writing by: **January 16, 2014**

Responsible official: Dennis Johnson

Position/title: Section Manager, Hazardous Waste and Toxics Reduction Program, Northwest Regional Office,
Department of Ecology Phone: (425) 649-7053

Address: Department of Ecology, 3190 160th Ave. SE, Bellevue, WA 98008

Date 12/21/13

Signature



WAC 197-11-960 Environmental checklist.

ENVIRONMENTAL CHECKLIST

Purpose of checklist:

The State Environmental Policy Act (SEPA), chapter 43.21C RCW, requires all governmental agencies to consider the environmental impacts of a proposal before making decisions. An environmental impact statement (EIS) must be prepared for all proposals with probable significant adverse impacts on the quality of the environment. The purpose of this checklist is to provide information to help you and the agency identify impacts from your proposal (and to reduce or avoid impacts from the proposal, if it can be done) and to help the agency decide whether an EIS is required.

Instructions for applicants:

This environmental checklist asks you to describe some basic information about your proposal. Governmental agencies use this checklist to determine whether the environmental impacts of your proposal are significant, requiring preparation of an EIS. Answer the questions briefly, with the most precise information known, or give the best description you can.

You must answer each question accurately and carefully, to the best of your knowledge. In most cases, you should be able to answer the questions from your own observations or project plans without the need to hire experts. If you really do not know the answer, or if a question does not apply to your proposal, write "do not know" or "does not apply." Complete answers to the questions now may avoid unnecessary delays later.

Some questions ask about governmental regulations, such as zoning, shoreline, and landmark designations. Answer these questions if you can. If you have problems, the governmental agencies can assist you.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

Use of checklist for nonproject proposals:

Complete this checklist for nonproject proposals, even though questions may be answered "does not apply." IN ADDITION, complete the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (part D).

For nonproject actions, the references in the checklist to the words "project," "applicant," and "property or site" should be read as "proposal," "proposer," and "affected geographic area," respectively.

A. BACKGROUND

1. Name of proposed project, if applicable:

Cleanup of dangerous wastes and dangerous constituents at and from the former GE facility located at 220 S. Dawson Street.

2. Name of applicant: **Dean Yasuda, Washington State Department of Ecology, Northwest Regional Office, Bellevue, WA 98008-5452**

3. Address and phone number of applicant and contact person:

Dean Yasuda, Washington State Department of Ecology, Northwest Regional Office, Bellevue, WA 98008-5452 Office phone:425.649.7264

4. Date checklist prepared: **October 28, 2013**

5. Agency requesting checklist: **Washington State Department of Ecology**

6. Proposed timing or schedule (including phasing, if applicable): **GE submittal of the bench scale test work plan and draft engineering design report (EDR) and monitoring plans after finalizing the consent decree.**

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain **Ecology anticipates that the soil, groundwater and indoor air cleanup will require the installation and maintenance of equipment inside and outside of the existing buildings at and near 220 South Dawson.**

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.

- **Draft Ecology Cleanup Action Plan, dated December 4, 2012.**

● **Ecology Amended and Approved Focused Feasibility Study Report, dated December 24, 2009.**

9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain. **None**

10. List any government approvals or permits that will be needed for your proposal, if known.

King County Wastewater Discharge Authorization

11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.)

The 220 S. Dawson Street property is the source of chlorinated solvent spills to the underlying soils and groundwater while under ownership by the General Electric Company (GE). The Washington State Department of Ecology is the lead Agency for: Construction, Testing and Implementation of optimized groundwater hydraulic control and in-situ chemical oxidation (using potassium permanganate) of chlorinated solvent contaminated groundwater. Additional in-situ chemical oxidation injection wells and monitoring wells will be installed. Existing groundwater monitoring wells on and off the 220 South Dawson Street property will be sampled during the site remediation to monitor cleanup progress. The cleanup will remediate groundwater, soil and indoor air to Ecology required cleanup levels. This cleanup will also reduce the potential for future discharges of contaminated groundwater to the Duwamish River.

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist. **220 S. Dawson Street, Seattle WA and all offsite (mostly westerly) properties over the trichloroethylene (TCE) groundwater plume.**

TO BE COMPLETED BY APPLICANT

EVALUATION FOR
AGENCY USE ONLY

B. ENVIRONMENTAL ELEMENTS

1. **Earth**

a. General description of the site (circle one): Flat, rolling, hilly, steep slopes, mountainous,
other **Generally flat area.**

b. What is the steepest slope on the site (approximate percent slope)? **No slopes in the project area.**

- c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any prime farmland. **Fill materials comprising of sand or silty sands.**
- d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe. **No**
- e. Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill. **No grading or filling proposed.**
- f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe. **Site is almost all covered with asphalt or concrete. Construction, if required to implement a small scale pilot study, would not likely result in erosion.**
- g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)? **Percentage of impervious surface will remain currently unchanged, near 100%.**
- h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:
The project is not expected to produce any erosion or other impacts to the earth.
- a. **Air**
- a. What types of emissions to the air would result from the proposal (i.e., dust, automobile, odors, industrial wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities if known.
Exhaust from automotive and large drill equipment vehicles is expected during the groundwater injection and groundwater monitoring installation phase. No other exhaust or emissions to air are anticipated as a result of this cleanup proposal.
- b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe. **No.**
- c. Proposed measures to reduce or control emissions or other impacts to air, if any: **No proposed measures to reduce or control minimal dust and vehicle exhaust emissions necessary. These would be short term emissions during the initial construction of the cleanup remedy only.**

3. Water

a. Surface:

- 1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into. **Yes, the project is approximately 1/2 mile east of the Duwamish River.**
- 2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans. **No.**
- 3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material. **None**
- 4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known. **No**
- 5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan. **No**
- 6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge. **No**

b. Ground:

- 1) Will ground water be withdrawn, or will water be discharged to ground water? Give general description, purpose, and approximate quantities if known. **Yes, contaminated groundwater will be withdrawn at the 220 South Dawson Street site as part of the optimized groundwater hydraulic control system. The withdrawn groundwater will be discharged to the sanitary sewer under a King County Discharge Authorization.**
- 2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals. . . ; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve. **No waste material will be discharged into the ground from septic tanks or other sources.**

c. Water runoff (including stormwater):

1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow?

Will this water flow into other waters? If so, describe. **Stormwater runoff is not expected to change as a result of the site cleanup. Stormwater runoff currently is collected in street stormwater drains and flows to the Duwamish River. The site cleanup is not expected to result in the contamination of stormwater. Best management practices will be required to prevent contamination of stormwater and subsequent runoff during site cleanup construction and implementation.**

2) Could waste materials enter ground or surface waters? If so, generally describe. **Site cleanup is not expected to result in waste materials entering groundwater or surface waters. The Ecology approved cleanup is expected to follow best management practices to prevent contamination of groundwater and surface water.**

d. Proposed measures to reduce or control surface, ground, and runoff water impacts, if any: **Site cleanup is not expected to result in waste materials entering groundwater or surface waters. The Ecology approved cleanup is expected to follow best management practices to prevent contamination of groundwater and surface water.**

4. Plants

a. Check or circle types of vegetation found on the site:

- X deciduous tree: alder, maple, aspen, other
- _____ evergreen tree: fir, cedar, pine, other
- X shrubs
- _____ grass
- _____ pasture
- _____ crop or grain
- _____ wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other
- _____ water plants: water lily, eelgrass, milfoil, other
- _____ other types of vegetation

b. What kind and amount of vegetation will be removed or altered?

None, site cleanup activities will be conducted on existing impervious surfaces.

c. List threatened or endangered species known to be on or near the site.

None

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any: **Not needed**

5. Animals

a. Circle any birds and animals which have been observed on or near the site or are known to be on or near the site:

- birds: hawk, heron, eagle, songbirds, other:
- mammals: deer, bear, elk, beaver, other:
- fish: bass, salmon, trout, herring, shellfish, other:

This is a commercial and light industrial area. N/A

- b. List any threatened or endangered species known to be on or near the site. **None.**
- c. Is the site part of a migration route? If so, explain. **No**
- d. Proposed measures to preserve or enhance wildlife, if any: **N/A Area is completely paved.**

6. Energy and natural resources

- a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.
**Electrical – to operate the groundwater pumps and vapor intrusion mitigation system.
Gasoline/Diesel – to install additional groundwater injection and monitoring wells.**
- b. Would your project affect the potential use of solar energy by adjacent properties?
If so, generally describe. **No**
- c. What kinds of energy conservation features are included in the plans of this proposal?
List other proposed measures to reduce or control energy impacts, if any:
None

7. Environmental health

- a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe. **The cleanup technology used at the site utilizes injection of an aqueous oxidizing solution (potassium permanganate) into the underlying groundwater that chemically destroys the chlorinated solvent contaminants. There is the potential for spills of the aqueous solution of potassium permanganate. The Ecology approved site cleanup work plans shall include management practices that minimize this spill potential and contingency actions if a spill does occur.**

1) Describe special emergency services that might be required.

None required, field staff will be trained in the management and handling of contaminated groundwater and chemicals used for in-situ chemical oxidation. GE will prepare a field health and safety plan for all site workers.

2) Proposed measures to reduce or control environmental health hazards, if any:

Field staff will be trained in the management and handling of contaminated groundwater and chemicals used for in-situ chemical oxidation. GE will prepare a field health and safety plan for all site workers.

b. Noise

1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)? **None**

2) What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site. **Short Term: Drill rig operations during the installation of groundwater injection wells and groundwater monitoring wells AND pumping equipment during the injection of dilute potassium permanganate solutions into the groundwater are expected to generate noise. Groundwater well monitoring or injection well installation equipment will be used during the cleanup construction phase, approximately first three or four months and then intermittently thereafter. Work is expected to occur mostly weekday daylight hours.**

- 3) Proposed measures to reduce or control noise impacts, if any: **Measures are not proposed because of the short term nature of the noise during well installation and potassium permanganate solution injection into the groundwater.**

8. Land and shoreline use

- a. What is the current use of the site and adjacent properties?
Commercial and light industrial. One residential home in the area.
- b. Has the site been used for agriculture? If so, describe. **No**
- c. Describe any structures on the site. **N/A.**
- d. Will any structures be demolished? If so, what? **No**
- e. What is the current zoning classification of the site? **Commercial and light industrial**
- f. What is the current comprehensive plan designation of the site? **Commercial and Light Industrial Zoning**
- g. If applicable, what is the current shoreline master program designation of the site? **N/A**
- h. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify. **No**
- i. Approximately how many people would reside or work in the completed project? **No people living in the building. Building currently holds approximately 30-40 workers.**
- j. Approximately how many people would the completed project displace? **None**
- k. Proposed measures to avoid or reduce displacement impacts, if any: **N/A**

1. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any: **N/A**

9. **Housing**

- a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing. **None**
- b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing. **None**
- c. Proposed measures to reduce or control housing impacts, if any: **N/A**

10. **Aesthetics**

- a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed? **No structures proposed for this cleanup project**
- b. What views in the immediate vicinity would be altered or obstructed? **None**
- c. Proposed measures to reduce or control aesthetic impacts, if any: **None required**

11. **Light and glare**

- a. What type of light or glare will the proposal produce? What time of day would it mainly occur? **None**
- b. Could light or glare from the finished project be a safety hazard or interfere with views? **No**
- c. What existing off-site sources of light or glare may affect your proposal? **None**
- d. Proposed measures to reduce or control light and glare impacts, if any: **N/A**

12. Recreation

- a. What designated and informal recreational opportunities are in the immediate vicinity? **None**
- b. Would the proposed project displace any existing recreational uses? If so, describe. **No**
- c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any: **N/A**

13. Historic and cultural preservation

- a. Are there any places or objects listed on, or proposed for, national, state, or local preservation registers known to be on or next to the site? If so, generally describe. **No**
- b. Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site. **None**
- c. Proposed measures to reduce or control impacts, if any: **N/A**

14. Transportation

- a. Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans, if any. **South Dawson Street, Third Avenue South and Second Avenue South. Access will not be impacted.**
- b. Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop? **Yes**
- c. How many parking spaces would the completed project have? How many would the project eliminate? **N/A**
- d. Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so, generally describe (indicate whether public or private). **No**

- e. Will the project use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe. **No**
- f. How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur. **During site cleanup, injection well and monitoring well construction, approximately three or four vehicular trips per day would be required, all during 8AM to 5 PM weekday hours. After site construction, very little vehicular trips per day are required for cleanup monitoring, approximately 1 or 2 vehicular trips per week.**
- g. Proposed measures to reduce or control transportation impacts, if any: **None proposed due to the short term and limited nature for vehicular trips to the cleanup site.**

15. **Public services**

- a. Would the project result in an increased need for public services (for example: fire protection, police protection, health care, schools, other)? If so, generally describe. **No**
- b. Proposed measures to reduce or control direct impacts on public services, if any. **N/A**

16. **Utilities**

- a. Circle utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other. **Electricity, water, refuse service, telephone, sanitary sewer, septic system**
- b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed. **No change in utilities at the site. For utilities required for the project, see 16a. above.**

C. SIGNATURE

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature: Signature: Dennis Johnson, Washington State Department of Ecology, Hazardous Waste and Toxics Reduction Section Manager

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Date Submitted: 10/29/13

D. SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS

(do not use this sheet for project actions)

Because these questions are very general, it may be helpful to read them in conjunction with the list of the elements of the environment.

When answering these questions, be aware of the extent the proposal, or the types of activities likely to result from the proposal, would affect the item at a greater intensity or at a faster rate than if the proposal were not implemented. Respond briefly and in general terms.

1. How would the proposal be likely to increase discharge to water; emissions to air; production, storage, or release of toxic or hazardous substances; or production of noise?

Proposed measures to avoid or reduce such increases are:

2. How would the proposal be likely to affect plants, animals, fish, or marine life?

Proposed measures to protect or conserve plants, animals, fish, or marine life are:

3. How would the proposal be likely to deplete energy or natural resources?

Proposed measures to protect or conserve energy and natural resources are:

4. How would the proposal be likely to use or affect environmentally sensitive areas or areas designated (or eligible or under study) for governmental protection; such as parks, wilderness, wild and scenic rivers, threatened or endangered species habitat, historic or cultural sites, wetlands, floodplains, or prime farmlands?

Proposed measures to protect such resources or to avoid or reduce impacts are:

5. How would the proposal be likely to affect land and shoreline use, including whether it would allow or encourage land or shoreline uses incompatible with existing plans?

Proposed measures to avoid or reduce shoreline and land use impacts are:

6. How would the proposal be likely to increase demands on transportation or public services and utilities?

Proposed measures to reduce or respond to such demand(s) are:

7. Identify, if possible, whether the proposal may conflict with local, state, or federal laws or requirements for the protection of the environment.