

Voluntary Cleanup Program

Washington State Department of Ecology Toxics Cleanup Program

TERRESTRIAL ECOLOGICAL EVALUATION FORM

Under the Model Toxics Control Act (MTCA), a terrestrial ecological evaluation is necessary if hazardous substances are released into the soils at a Site. In the event of such a release, you must take one of the following three actions as part of your investigation and cleanup of the Site:

- 1. Document an exclusion from further evaluation using the criteria in WAC 173-340-7491.
- 2. Conduct a simplified evaluation as set forth in WAC 173-340-7492.
- 3. Conduct a site-specific evaluation as set forth in WAC 173-340-7493.

When requesting a written opinion under the Voluntary Cleanup Program (VCP), you must complete this form and submit it to the Department of Ecology (Ecology). The form documents the type and results of your evaluation.

Completion of this form is not sufficient to document your evaluation. You still need to document your analysis and the basis for your conclusion in your cleanup plan or report.

If you have questions about how to conduct a terrestrial ecological evaluation, please contact the Ecology site manager assigned to your Site. For additional guidance, please refer to www.ecy.wa.gov/programs/tcp/policies/terrestrial/TEEHome.htm.

Step 1: IDENTIFY HAZARDOUS WASTE SITE		
Please identify below the hazardous waste site for which you are documenting an evaluation.		
Facility/Site Name: Littlerock Grocery & Gas Facility/Site Address: 6410 128 th Avenue Southwest, Littlerock, WA 98556		

Step 2: IDENTIFY EVALUATOR					
Please identify below the person who conducted the evaluation and their contact information.					
Name: Scott Rose			Title: Senior Hydrogeologist		
Organization: Associated Environmental Group					
Mailing address: 605 11th Ave SE, Suite 201					
City: Olympia		State: WA		Zip code: 98501	
Phone: (360) 352-9835	Fax: (360) 352-8164		E-mail: srose@aegwa.com		

Step 3: DOCUMENT EVALUATION TYPE AND RESULTS A. Exclusion from further evaluation. 1. Does the Site qualify for an exclusion from further evaluation? ⊠ Yes If you answered "YES," then answer Question 2. ☐ No or If you answered "NO" or "UKNOWN," then skip to Step 3B of this form. Unknown 2. What is the basis for the exclusion? Check all that apply. Then skip to Step 4 of this form. Point of Compliance: WAC 173-340-7491(1)(a) All soil contamination is, or will be,* at least 15 feet below the surface. All soil contamination is, or will be,* at least 6 feet below the surface (or alternative depth if approved by Ecology), and institutional controls are used to manage remaining contamination. Barriers to Exposure: WAC 173-340-7491(1)(b) All contaminated soil, is or will be,* covered by physical barriers (such as buildings or paved roads) that prevent exposure to plants and wildlife, and institutional controls are used to manage remaining contamination. Undeveloped Land: WAC 173-340-7491(1)(c) There is less than 0.25 acres of contiguous# undeveloped± land on or within 500 feet of any area of the Site and any of the following chemicals is present: chlorinated dioxins or furans, PCB mixtures, DDT, DDE, DDD, aldrin, chlordane, dieldrin, endosulfan, endrin, heptachlor, heptachlor epoxide, benzene hexachloride, toxaphene, hexachlorobenzene, pentachlorophenol, or pentachlorobenzene. For sites not containing any of the chemicals mentioned above, there is less than 1.5 acres of contiguous# undeveloped± land on or within 500 feet of any area of the Site. Background Concentrations: WAC 173-340-7491(1)(d) Concentrations of hazardous substances in soil do not exceed natural background levels \boxtimes as described in WAC 173-340-200 and 173-340-709. * An exclusion based on future land use must have a completion date for future development that is acceptable to Ecology. # "Undeveloped land" is land that is not covered by building, roads, paved areas, or other barriers that would prevent wildlife from feeding on plants, earthworms, insects, or other food in or on the soil. # "Contiguous" undeveloped land is an area of undeveloped land that is not divided into smaller areas of highways, extensive paving, or similar structures that are likely to reduce the potential use of the overall area

by wildlife.

В.	. Simplified evaluation.				
1.	. Does the Site qualify for a simplified evaluation?				
	⊠ Yes	If you answered "YES," then answer Question 2 below.			
	☐ No Unknow	IT VALLANGWARAA "NEE" AR "LINK NEEWAN " THAN GRID TO STAD RES AT THIS TARM			
2.	Did you con	duct a simplified evaluation?			
	⊠ Yes	If you answered "YES," then answer Question 3 below.			
	☐ No	If you answered "NO," then skip to Step 3C of this form.			
3.	Was further	evaluation necessary?			
	☐ Yes	If you answered "YES," then answer Question 4 below.			
	⊠ No	If you answered "NO," then answer Question 5 below.			
4.	If further eva	lluation was necessary, what did you do?			
		Used the concentrations listed in Table 749-2 as cleanup levels. If so, then skip to Step 4 of this form.			
		Conducted a site-specific evaluation. If so, then skip to Step 3C of this form.			
5.	5. If no further evaluation was necessary, what was the reason? Check all that apply. Then skip to Step 4 of this form.				
	Exposure An	alysis: WAC 173-340-7492(2)(a)			
		Area of soil contamination at the Site is not more than 350 square feet.			
		Current or planned land use makes wildlife exposure unlikely. Used Table 749-1.			
	Pathway Ana	llysis: WAC 173-340-7492(2)(b)			
	1	No potential exposure pathways from soil contamination to ecological receptors.			
	Contaminant	Analysis: WAC 173-340-7492(2)(c)			
		No contaminant listed in Table 749-2 is, or will be, present in the upper 15 feet at concentrations that exceed the values listed in Table 749-2.			
		No contaminant listed in Table 749-2 is, or will be, present in the upper 6 feet (or alternative depth if approved by Ecology) at concentrations that exceed the values isted in Table 749-2, and institutional controls are used to manage remaining contamination.			
		No contaminant listed in Table 749-2 is, or will be, present in the upper 15 feet at concentrations likely to be toxic or have the potential to bioaccumulate as determined using Ecology-approved bioassays.			
		No contaminant listed in Table 749-2 is, or will be, present in the upper 6 feet (or alternative depth if approved by Ecology) at concentrations likely to be toxic or have he potential to bioaccumulate as determined using Ecology-approved bioassays, and nstitutional controls are used to manage remaining contamination.			

C.	C. Site-specific evaluation. A site-specific evaluation process consists of two parts: (1) formulating the problem, and (2) selecting the methods for addressing the identified problem. Both steps require consultation with and approval by Ecology. See WAC 173-340-7493(1)(c).						
1.	1. Was there a problem? See WAC 173-340-7493(2).						
	☐ Yes	If you answered "YES," then answer Question 2 below.					
	☐ No	If you answered "NO," then identify the reason here and then skip to Question 5 below:					
		No issues were identified during the problem formulation step.					
		While issues were identified, those issues were addressed by the cleanup actions for protecting human health.					
2.	What did you do	to resolve the problem? See WAC 173-340-7493(3).					
		d the concentrations listed in Table 749-3 as cleanup levels. If so, then skip to estion 5 below.					
		d one or more of the methods listed in WAC 173-340-7493(3) to evaluate and ress the identified problem. <i>If so, then answer Questions 3 and 4 below.</i>					
3.	3. If you conducted further site-specific evaluations, what methods did you use? Check all that apply. See WAC 173-340-7493(3).						
	_	rature surveys.					
	_	bioassays.					
		llife exposure model.					
	<u> </u>	narkers.					
	Site	-specific field studies.					
	☐ Wei	ght of evidence.					
	Othe	er methods approved by Ecology. If so, please specify:					
4.	4. What was the result of those evaluations?						
	Con	firmed there was no problem.					
	☐ Con	firmed there was a problem and established site-specific cleanup levels.					
5.	5. Have you already obtained Ecology's approval of both your problem formulation and problem resolution steps?						
	☐ Yes	If so, please identify the Ecology staff who approved those steps:					
	□ No						

Step 4: SUBMITTAL

Please mail your completed form to the Ecology site manager assigned to your Site. If a site manager has not yet been assigned, please mail your completed form to the Ecology regional office for the County in which your Site is located.



Northwest Region: Attn: VCP Coordinator 3190 160 th Ave. SE Bellevue, WA 98008-5452		Central Region: Attn: VCP Coordinator 15 W. Yakima Ave., Suite 200 Yakima, WA 98902	
Attr	outhwest Region: n: VCP Coordinator P.O. Box 47775 pia, WA 98504-7775	Eastern Region: Attn: VCP Coordinator N. 4601 Monroe Spokane WA 99205-1295	