



Camp Dresser & McKee Inc.

consulting
engineering
construction
operations

P.O. Box 3885 (Zip 98009-3885)
11811 N.E. 1st Street, Suite 201
Bellevue, Washington 98005-3033
Tel: 425 453-8383 Fax: 425 646-9523

June 26, 2001

Washington State Department of Ecology
Northwest Regional Office
Toxics Cleanup Program
3190 160th Avenue SE
Bellevue, Washington 98004-5452

Subject: Request for Assistance
Independent Remedial Action
King County - Skykomish Field Maintenance Unit
74214 Old Cascade Highway
Skykomish, Washington

Dear Review Personnel:

On behalf of King County Department of Transportation - Roads Services Division, Camp Dresser & McKee Inc. (CDM) is requesting a Washington State Department of Ecology (Ecology) review of the remedial action conducted at their referenced location. Enclosed are Ecology Voluntary Cleanup Program forms necessary to initiate the review process and a check for \$500.

Please call (425) 453-8383 if you have any questions.

Very truly yours,

CAMP DRESSER & McKEE INC.

Lance E. Peterson, P.G.
Senior Hydrogeologist

Enclosures

RECEIVED
JUN 27 2001
DEPT OF ECOLOGY

Where to Submit Your Forms, Reports, and Fees

County Serving

Ecology Regional Office

Benton, Chelan, Dougals, Kittitas, Klickitat, Okanogan, Yakima

Central Region

15 West Yakima Avenue, Suite 200
Yakima, WA 98902-3401
(509) 575-2490 (voice)
(509) 454-7673 (TDD)

Adams, Asotin, Columbia, Ferry, Franklin, Garfield, Grant, Lincoln, Pend Oreille, Spokane, Stevens, Walla Walla, Whitman

Eastern Region

N. 4601 Monroe, Suite 100
Spokane, WA 99205-1295
(509) 456-2926 (voice)
(509) 458-2055 (TDD)

Island, King, Kitsap, San Juan, Skagit, Snohomish, Whatcom

Northwest Region

3190 160th Avenue SE
Bellevue, WA 98008-5452
(425) 649-7000 (voice)
(425) 649-4259 (TDD)

Clallam, Clark, Cowlitz, Grays Harbor, Jefferson, Lewis, Mason, Pacific, Pierce, Skamania, Thurston, Wahkiakum

Southwest Region

PO Box 47775
Olympia, WA 98504-7775
(360) 407-6300 (voice)
(360) 407-6306 (TDD)

OR if your site is part of a major pulp or paper mill, aluminum smelter, or oil refinery

Industrial Section

PO Box 47706
Olympia, WA 98504-7706
(360) 407-6916 (voice)
(360) 407-6006 (TDD)



Voluntary Cleanup Program

Washington State - Department of Ecology - Toxics Cleanup Program

Site Summary

This Summary is a required component of your request for assistance under the Voluntary Cleanup Program

Which of the following apply?

☐
☐
☒

- Requesting assistance on a planned cleanup
- Requesting assistance on an ongoing cleanup.
- Requesting review of a completed cleanup.

Note: If you submitted your Request for Assistance (ECY 020-74) previously without a Site Summary (this form) or this is a revised Site Summary, Please provide this completed form to Ecology at least five (5) working days prior to the meeting/site visit/documentation review (whichever comes first).

A) Site Identification:

Name of Site: *King County Skykomish Field Maintenance Unit*

Alternate Name(s) for Site:

Street Address of Site: *74214 Old Cascade Highway*

City: *Skykomish*

State: *WA*

Zip: *98288*

County: *King*

UBI Number: *601 317 996 001*

Mailing Address (if different from above):

City:

State:

Zip:

Township *26N*

Range *11E*

Section *25*

Quarter-Quarter *SW 1/4 - NW 1/4*

If Known:

Latitude:

Degree

Minute

Second

Longitude:

Degree

Minute

Second

Method used to calculate Latitude and Longitude:

How large (in acres) is the site? *0.57 acres*

Please attach two maps to this form.

- 1) An area map, showing general location of the site in relation to surrounding bodies of water, cities, highways, and streets. (Please mark site location.)
- 2) A site diagram showing surrounding cross-streets, labeled building outlines, sampling and well locations, etc.

B) Person/Organization Making Request for Assistance/Review:

Name: *Joe Hicker (KC DCFM Project Manager)*

Firm: *King County Department of Construction and Facilities Management*

Street Address: *500 Fourth Avenue Room 320*

City: *Seattle*

State: *WA*

Zip: *98104-2337*

Telephone Number: *(206) 296-1706*

Extension:

Fax Number: *(206) 296-0186*

e-mail address: *JOE.HICKER@METROKC.GOV*

Legend

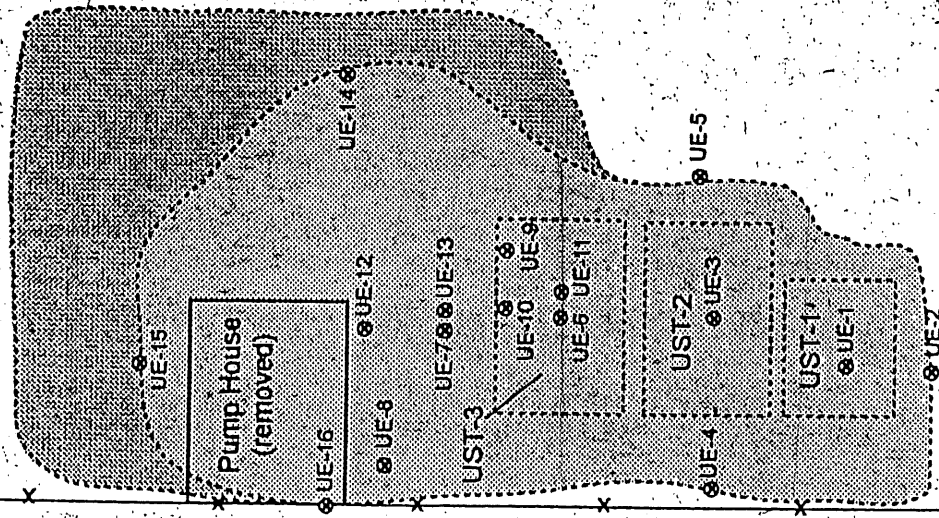
Sediment Sample

Underground Storage Tank (UST) - removed

UST Excavation

Material Excavated (not contaminated)

Fence



Old
Maintenance
Building

Site Location Plan
Public Works Roads Division, Skykomish
74212 Old Cascade Highway
Skykomish, Washington

EVERGREEN ENVIRONMENTAL CONSULTING
2129 2nd Avenue
Seattle, Washington 98121
206-728-9104
EEC Project 9510

Figure 3
Scale 1"=10'

Date 6-22-95
Drawn AGW

MW-9
84.91

GARBAGE DUMP ROAD

MW-8 85.19
MW-2

Maintenance Building

MW-7 85.70
SW-1

RW-1

Maintenance Building

MW-5
2.2 ppm-G

SOIL REMEDIATION
EXCAVATION LIMITS 6/95

MW-6 88.39
MW-3

OLD CASCADE HIGHWAY

LEGEND

MW-6



GROUNDWATER MONITORING
WELL AND NUMBER

MW-2



ABANDONED MONITORING WELL



FORMER UNDERGROUND STORAGE
TANK LOCATION



FENCE



0 40
Scale in Feet

REFERENCE:

Figure 1 Monitoring Well Location Plan, Work Plan for Remedial Investigation/Feasibility Study, Evergreen Environmental Consulting, Seattle, Washington, September 5, 1995

AGI
TECHNOLOGIES

Site Plan

King County/Skykomish Field Maintenance Unit
Skykomish, Washington

FIGURE

2

Fig2.dwg

PROJECT NO.
14,309,470

DRAWN
DWD

DATE
31 Mar 99

APPROVED
[Signature]

REVISED
JDM

DATE
16 June 99

Which best describes your involvement with the site? (Check as many as apply.)

Current Owner ☐ Former Owner ☐ Potential Purchaser ☒
 Current Operator ☐ Former Operator ☐ Other (specify) ☒
 Environmental Consultant for King County Department of Construction and
 Attorney for Facilities Management
 Insurance Carrier for
 Other (specify) for

C) Release Information:

Date of Release (if known): UNKNOWN Date of Discovery: 6/6/95

Drinking Water: Number of Drinking Water Supply Wells within 1/2 mile 3

Are there any drinking water systems affected? ☐ yes ☒ no

If yes, has alternate drinking water been provided? ☐ yes ☐ no

If Drinking Water systems are affected, are the systems public, private, or both?

Aquatics: Are there any creeks, streams, ponds, wetlands, or shorelands...

on or adjacent to the site? ☐ yes ☒ no

Within 1/4 mile of the site? ☒ yes ☐ no

Where are they located? South Fork Skykomish River ~ 800 ft. Northwest of site

Are they impacted by contamination from the site? ☐ yes ☒ no

General Hazardous Substance Categories: Please complete the chart below. List the contaminants known or suspected at the site prior to cleanup, and mark the appropriate medium (i.e. soil) with: **C** (confirmed and above MTCA); **B** (confirmed but below MTCA); **S** (suspected); **N/A** (not-applicable); **O** (tested and not present); or **U** (unknown).

Contaminant	Class (for office Use)	Affected Soil	Media: Ground-Water	Surface Water	Air	Sediment	Date of Release (if known)
Example: Lead		C	O	S	U	S	1967-82
1) Gasoline		C	C	N/A	N/A	N/A	U
2) Benzene		O	C				
3) Toluene		B	C				
4) Ethylbenzene		B	C				
5) Xylene		C	C				
6) Diesel		C	C				

D) Report Information of Assessment or Remediation Work Done to Date

Assessment:

Has site assessment work been done at this site? yes ☒ no ☐ In-progress ☐

If yes, when? 7/21/95 Were results reported to Ecology? yes ☒ no ☐ Date 8/9/95

Describe: (list reports in "E" below) An underground storage tank site assessment and remedial activities report was completed by Evergreen Environmental Consulting on 7/21/95. After removal of the three (3) USTs it was determined that contamination was present in the surrounding soil. Excavation was completed vertically to the groundwater table (approximately 18 feet) and laterally until field screening indicated that contamination was below cleanup levels. Analytical laboratory results indicated that gasoline-range total petroleum hydrocarbons (TPH) and total xylenes remained in the soil at the water table at concentrations exceeding Method A cleanup levels. Six groundwater monitoring wells were installed at the site. The wells were sampled in 1995, 1996, and 1997. Method A cleanup levels were exceeded for diesel-range TPH, gasoline-range TPH, ethylbenzene, and total xylenes. The wells were abandoned and four new monitoring wells installed in 1998. The four new wells were sampled quarterly in 2000. Well MW7 contained gasoline-range TPH and xylenes slightly above Method A levels in the first sampling event. The remaining sampling rounds identified only xylenes exceeding Method A levels in MW7 during the April 2001 sampling event.

Remediation:

Has any site cleanup work been done at the site? yes ☒ no ☐ in-progress ☐

If yes, please continue to answer the remaining questions in this section to the best of your ability.

When was the cleanup work done? 6/15/95

Were results reported to Ecology? yes ☒ no ☐ date 8/9/95

Describe: (list reports in "E" below)

Approximately 340 tons of soil was excavated in the area surrounding the 3 USTs. Based on field screening for contamination, the excavated soil was either removed offsite as contaminated or placed into a stockpile that was tested for hydrocarbons. Stockpiled soil determined to be clean was used as excavation backfill.

Does contamination remain on-site after cleanup activities? yes ☒ no ☐

If yes, describe: (list reports in "E" below)

Soil with concentrations of gasoline-range TPH and xylenes greater than Method A cleanup levels remained at the water table at 18 feet depth. Further excavation of soil was not attempted.

For each contaminant listed in **Part C) Release Information (above)**, please describe the quantity of the contaminant (in pounds) which was removed or treated as a result of the cleanup activities:

Contaminant	Class (for office Use	Pounds of Contaminant:		Removed	Treated	Contained)
		Incinerated	Washed			
Example: Lead		10	20	40	10	60
1) Diesel TPH				200		
2) Gasoline TPH				360		
3) Toluene				1.4		
4) Ethylbenzene				2.1		
5) Xylenes				26		
6)						
7)						
8)						
9)						
10)						
11)						
12)						

As a result of the cleanup:

How many acres of land were returned to **unrestricted** use? Approximately ½ acre

How many acres of land were returned to **restricted** use? 0

How many cubic feet of contaminated soil was remediated or contained? Approximately 12,150 ft³

How many gallons of contaminated ~~soil~~ ^{groundwater} was remediated or contained? 0

How many people are now at reduced risk as a result of the cleanup action? 0

How many pounds of potential pollution was prevented as a result of the cleanup action? 0

Methods/Treatments Used	Soil	Groundwater	Surface Water	Drinking Water	Air	Wastes
Method A	X	N/A				
Method B						
Method C						
Have these levels been met through the site ? Y or N						
Destruction or Detoxification						
Carbon Adsorption ¹	N/A					N/A
Biological Treatment					N/A	
Chemical Destruction						
Incineration		N/A	N/A	N/A		
¹ Carbon followed by regeneration: use of granular activated carbon followed by landfilling would be classified in these tables as volume reduction and off-site landfill						
Media Transfer						
Air stripping/Air Sparging	N/A					N/A
Aeration/Vapor Extraction		N/A	N/A	N/A	N/A	
Thermal Desorption		N/A	N/A	N/A		N/A
Immobilization						
Vitrification		N/A	N/A	N/A		
Solidification/Stabilization		N/A	N/A	N/A		
Reuse/Recycling²						
Specify						
² For example, reuse of free petroleum product recovered in a pump and treat system.						
Separation/Volume Reduction						
Solvent Extraction		N/A	N/A	N/A		
Soil Washing		N/A	N/A	N/A		
Physical Separation ³						
³ For example, oil/water separators.						
Land Disposal/Containment						
Containment or On-site Landfill			N/A			
Off-site Landfill	X	N/A	N/A	N/A		
Institutional Controls						
Specify						
Others						
Specify Treatment Method						

E) Documentation:

Please list titles of all site reports below. Include name of consulting firm and year completed. (If there is not enough room for the entire list, please attach additional page(s) as necessary.)

Title:	By:	Date
Underground Storage Tank Site Assessment + Remedial Activities	Evergreen Environmental Consulting	7/21/95
Ground Water Sampling	Evergreen Environmental Consulting	8/7/95
Work Plan for RI/FS	Evergreen Environmental Consulting	9/5/95
Ground Water Sampling	Evergreen Environmental Consulting	8/21/97
Ground Water Sampling	Evergreen Environmental Consulting	12/15/97
Groundwater Monitoring Well Abandonment + Installation	AGT Technologies	6/16/99
* Attached Report for Project 421196AU, Stuyvesant Groundwater Samples L17498-1-6	King Co DNR Environmental Laboratory	4/24/00; 8/22/00 10/2/00; 11/27/00; 4/16/01

* Series of 5 reports

Is additional information concerning the contaminants treated or removed, or cleanup or remediation methods used available in a data base? yes ☐ no ☒ If yes, what programming software is use?

Is a copy included for our use? yes ☐ no ☐

F) Property Type: Commercial ☒ Industrial ☐ Residential ☐ Other ☐ (Please specify)

Property currently being used? yes ☒ no ☐

Plans for change in use? yes ☐ no ☒ If yes, please specify:

G) Standard Industrial Classification (SIC) Codes:

List all that apply. If none apply, or if you don't know your SIC code, list activities conducted at the site (i.e. automotive repair and maintenance, construction equipment storage, etc.).

H) Dangerous Waste Facilities:

Does the facility have a dangerous waste identification number? yes ☐ no ☒

If yes, what is the number? WAD

I) Tank Information:

Complete this table for ALL tanks, whether underground (UST) or aboveground (AST), including unregulated tanks.

(*Unleaded, leaded diesel, bunker-C, waste oil, heating oil, aviation fuel, other (identify))

(** Tank status: Left in Place, Removed, Closed in Place)

Tank ID	AST/UST	Size(gal)	Was Free Product encountered?		In Excavation	Tank Status
			Product	On GW		
7611	UST	1000	diesel	NO	NO	Removed
7612	UST	2000	unleaded gas	NO	NO	Removed
7613	UST	2000	unleaded gas	NO	NO	Removed

J) Owner/Operator History

(Please photocopy and attach copies if additional owners and/or operators are known.)

Type (code) of Owner/Operator (see below):

Private (1) Municipal (2) County (3) Federal (4) State (5) Tribal (6) Mixed (7) Other (8) Unknown (9)
Public Entitle Acquisition via Bankruptcy (11)

1) Current Site Owner: <i>King County Department of Public Works - Roads Maint. Section</i>			Type:
Street Address: <i>155 Monroe Ave NE</i>			
City: <i>Renton</i>	State: <i>WA</i>	ZIP: <i>98056</i>	
Contact Persons (if different than owner, above): <i>Joe Hicker</i>			
Street Address: <i>400 Yesler Way, Suite 220</i>			
City: <i>Seattle</i>	State: <i>WA</i>	ZIP: <i>98104</i>	
Telephone Number: <i>(206) 296-1706</i>		Extension:	
Fax Number: <i>(206) 296-1425</i>		e-mail address: <i>JOE.HICKER@METROKc.GOV</i>	
Dates of Ownership:		to	

2) Current Facility Operator: <i>Same as above</i>			Type:
Street Address:			
City:	State:	ZIP:	
Contact Persons (if different than owner, above):			
Street Address:			
City:	State:	ZIP:	
Telephone Number:		Extension:	
Fax Number:		e-mail address:	
Dates of Operation:		to	

3) Former Site Owner:			Type:
Street Address:			
City:	State:	ZIP:	
Contact Persons (if different than owner, above):			
Street Address:			
City:	State:	ZIP:	
Telephone Number:		Extension:	
Fax Number:		e-mail address:	
Dates of Ownership:		to	

4) Former Facility Operator:			Type:
Street Address:			
City:	State:	ZIP:	
Contact Persons (if different than owner, above):			
Street Address:			
City:	State:	ZIP:	
Telephone Number:		Extension:	
Fax Number:		e-mail address:	
Dates of Operation:		to	

K) Other Involved Parties:

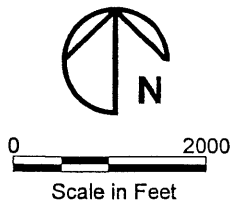
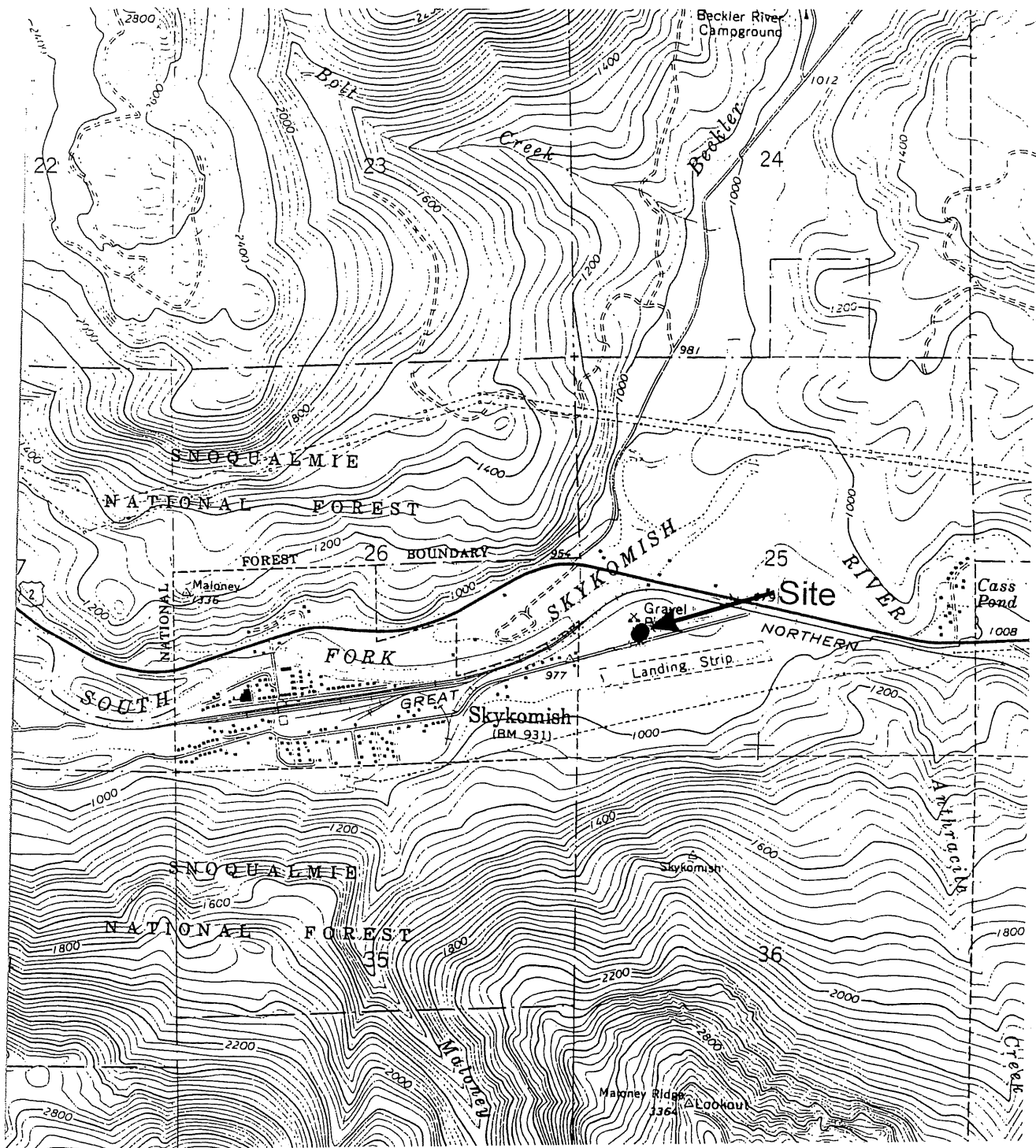
(Please photocopy and attach copies if additional parties are involved)

1) Environmental Consultant: <i>Lance Peterson</i>		
Representing:		
Firm: <i>Camp Dresser + McKee Inc.</i>		
Street Address: <i>11811 NE 1st Street, Suite 201</i>		
City: <i>Bellevue</i>	State: <i>WA</i>	ZIP: <i>98005</i>
Telephone Number: <i>(425) 453-8383</i>	Extension:	
Fax Number: <i>(425) 646-9523</i>	e-mail address: <i>PETERSONLE@CDM.COM</i>	

2) Site Control Person if other than Owner/Operator. (This must be a person who is on-site during normal working hours and is authorized and qualified to answer questions about the site, or a person who is available during normal business hours and has knowledge about the site and the remediations.		
Name: <i>CR Haulman</i>		
Relation to site/owner/operator:		
Firm: <i>King County Department of Transportation - Road Services Division</i>		
Street Address: <i>155 MONROE AVE NE</i>		
City: <i>RENTON</i>	State: <i>WA</i>	ZIP: <i>98056</i>
Telephone Number: <i>(206) 296-8137</i>	Extension:	
Fax Number: <i>(206) 296-8198</i>	e-mail address:	
Dates of involvement with site:	to:	

3) Name:		
Relation to site/owner/operator:		
Firm:		
Street Address:		
City:	State:	ZIP:
Telephone Number:	Extension:	
Fax Number:	e-mail address:	
Dates of involvement with site:	to:	

4) Name:		
Relation to site/owner/operator:		
Firm:		
Street Address:		
City:	State:	ZIP:
Telephone Number:	Extension:	
Fax Number:	e-mail address:	
Dates of involvement with site:	to:	



CONTOUR INTERVAL IS 40 FEET
DATUM IS MEAN SEA LEVEL

USGS Topographic Quadrangle Map, Skykomish Valley, 7.5 Minute Series, 1953. Photorevised 1986.

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TECHNOLOGIES

309470-VM.cdr

PROJECT NO.
14,309.470

DRAWN
PJR

DATE
31 Mar 99

APPROVED
ZEP

REVISED
-

FIGURE
1
DATE
-

Vicinity Map
King County/Skykomish Field Maintenance Unit
Skykomish, Washington