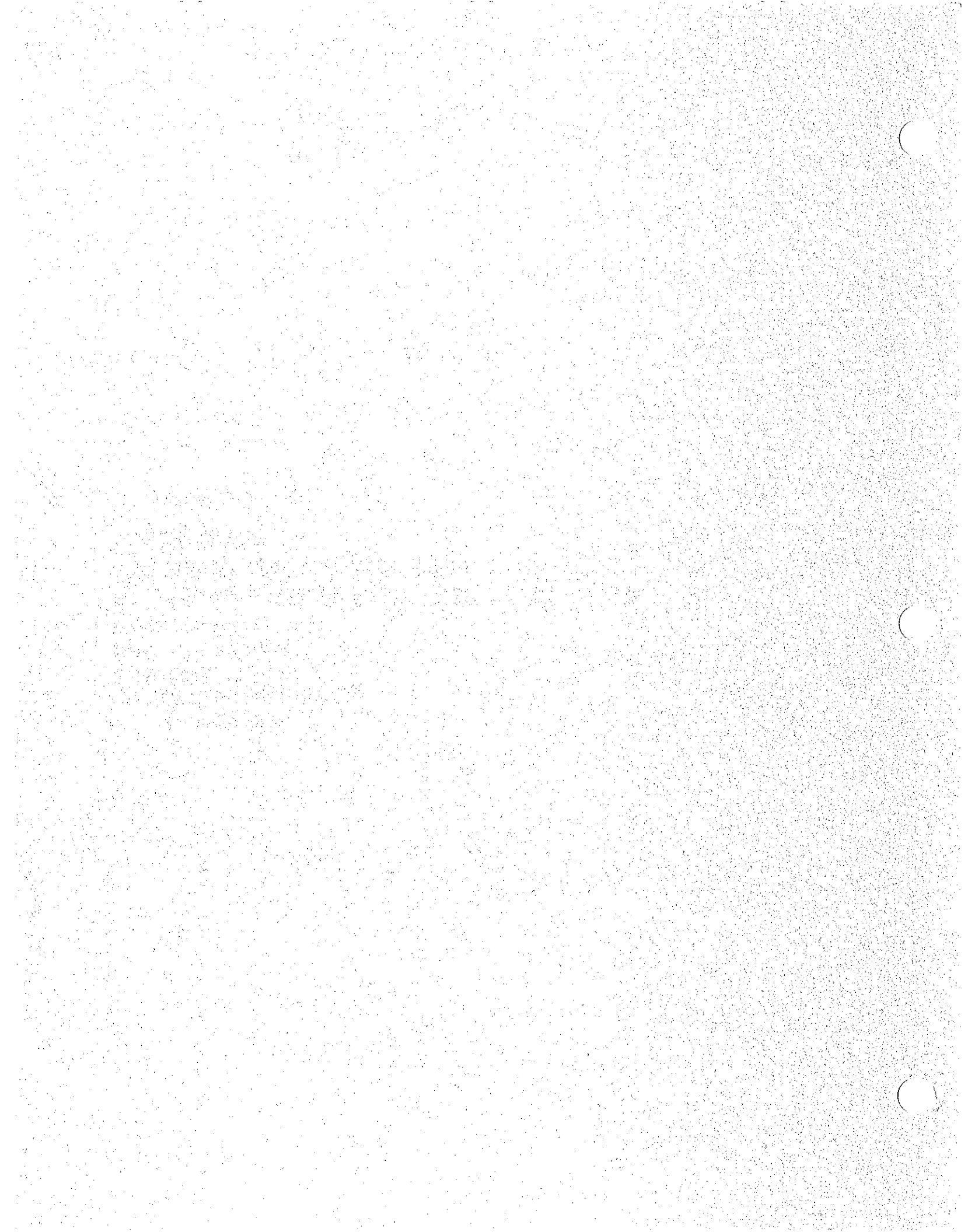


Draft Issued for Ecology Review

**APPENDIX H
SOIL AND WATER DISPOSAL
BILLS OF LADING AND AUTHORIZATIONS**

Remedial Investigation
Yakima Railroad Area
Yakima, Washington
SECOR PN: 00378-001-02
December 31, 1998



YAKIMA COUNTY SOLID WASTE
TERRACE HTS LANDFILL

000789
SECOR INTERNATIONAL INC.
15400 SE 30th Place, Ste. 100
Bellevue WA 98007

Ticket # 598247
10/20/97
11:19
ALAN

Reference
Origin

Cell

Vehicle

DESCRIPTION

-	Gross wt.	37340	TON	1.39
	Tare wt.	34560	Cu Yd	0
	Net wt.	2780	Count	0

5	Garbage - Ton @ \$ 19.00 per TON	26.41
	Surcharge	-0.01
	ST REFUSE TAX INCL.	0.00
	Net charge amount	26.40

Signature

[Handwritten Signature] / SECOR #1 #789

RI-1
Soil

SECOR

YAKIMA COUNTY PUBLIC WORKS
WASTE SHIPMENT RECORD

SOIL

RI-1
SOIL
Soil sample
(S-1)

GENERATOR	1. Work site name and mailing address YAKIMA RAILROAD AREA		Owner's name DEPT. ECOLOGY	Owner's telephone no.	
	2. Operator's name and address SECOR INT. INC. 15400 SE 30TH PLACE, SUITE 100 BELLEVUE, WA 98007			Operator's telephone no. (425) 641-9900	
	3. Waste disposal site (Mailing Address) YAKIMA COUNTY PUBLIC WORKS 128 N. 2ND STREET, ROOM 408 YAKIMA, WA 98901 (509) 574-2450		Physical Site Location TERRACE HEIGHTS LANDFILL 7601 ROZA HILL DRIVE YAKIMA, WA 98901 (509) 574-2475		
	4. Name and address of responsible agency YAKIMA COUNTY CLEAN AIR 6 S. SECOND ST., ROOM 1016, YAKIMA, WA 98901		Agency notified before removal yes / no (509)574-1410/FAX NO. (509)574-1411		
	5. Description of materials SOIL CUTTINGS from RI-1		6. Containers No. Type	7. Total quantity Yds.	
	Invoice No.		Lbs.		
	8. Special handling instructions and additional information				
	9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.				
Printed/typed name & title (SECOR) Eric A. [Signature]		Signature Eric A. [Signature]	Month Day Year 10-17-97		
TRANSPORTER	10. Transporter 1 (Acknowledgment of receipt of materials)				
	Printed/typed name & title SCOTT ROBERTSON - MGR Address and telephone no. YAKIMA WASTE SYSTEMS 248-4213		Signature Scott [Signature]	Month Day Year 10-17-97	
	11. Transporter 2 (Acknowledgment of receipt of materials)				
	Printed/typed name & title Address and telephone no. N/A		Signature	Month Day Year	
DISPOSAL SITE	12. Discrepancy				
	13. Waste disposal site owner or operator: TERRACE HEIGHTS LANDFILL / PHASE III AREA YAKIMA COUNTY				
	Printed/typed name & title Jennifer Porter		Signature	Month Day Year 10-20-97	

— Load #2
JACK

YAKIMA COUNTY SOLID WASTE
TERRACE HTS LANDFILL

000789
SECOR INTERNATIONAL INC.
15400 SE 30th Place, Ste. 100
Bellevue WA 98007

Ticket # 597491
10/18/97
13:24
ALAN

Reference Sample #2
Origin

Cell

Vehicle

DESCRIPTION

-	Gross wt.	34560	TON	3.24
	Tare wt.	28080	Cu Yd	0
	Net wt.	6480	Count	0

5	Garbage - Ton @ \$ 19.00 per TON	61.56
	Surcharge	-0.01

ST REFUSE TAX INCL.

0.00

Net charge amount

61.55

Signature

Hammer / Secor #2 Acc # 489

RI-2
Soil

ECOT

YAKIMA COUNTY PUBLIC WORKS
WASTE SHIPMENT RECORD SUL

RI-2

GENERATOR	1. Work site name and mailing address YAKIMA RAILROAD AREA		Owner's name DEPT. ECOLOGY	Owner's telephone no.	
	2. Operator's name and address SECOR INT. INC. 15400 SE 30TH PLACE, SUITE 100 BELLEVUE, WA 98007			Operator's telephone no. (425) 641-9900	
	3. Waste disposal site (Mailing Address) YAKIMA COUNTY PUBLIC WORKS 128 N. 2ND STREET, ROOM 408 YAKIMA, WA 98901 (509) 574-2450		Physical Site Location TERRACE HEIGHTS LANDFILL 7601 ROZA HILL DRIVE YAKIMA, WA 98901 (509) 574-2475		
	4. Name and address of responsible agency YAKIMA COUNTY CLEAN AIR 6 S. SECOND ST., ROOM 1016, YAKIMA, WA 98901		Agency notified before removal yes / no (509)574-1410/FAX NO. (509)574-1411		
	5. Description of materials SOIL CUTTINGS RI-2		6. Containers No. Type	7. Total quantity Yds. Lbs.	
	Invoice No.				
	8. Special handling instructions and additional information				
	9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.				
	Printed/typed name & title SECOR		Signature <i>Ecology Dept. Person</i>		Month Day Year 10-17-97
TRANSPORTER	10. Transporter 1 (Acknowledgment of receipt of materials)				
	Printed/typed name & title Yak. Waste Systems		Signature <i>John Hanson</i>		Month Day Year 10 22 97
	Address and telephone no. 248-4213				
	2812 1/2 Terrace Heights Dr. Yak. WA 98901				
11. Transporter 2 (Acknowledgment of receipt of materials)					
Printed/typed name & title		Signature		Month Day Year	
Address and telephone no.					
DISPOSAL SITE	12. Discrepancy				
	13. Waste disposal site owner or operator: TERRACE HEIGHTS LANDFILL / PHASE III AREA YAKIMA COUNTY				
	Printed/typed name & title Vonda Collins		Signature <i>Vonda Collins</i>		Month Day Year 10/22/97

Landfill Caretaker

YAKIMA COUNTY SOLID WASTE
TERRACE HTS LANDFILL

RI-3 Soil

000789
SECOR INTERNATIONAL INC.

15400 SE 30th Place, Ste. 100
Bellevue WA 98007

Ticket # 599251
10/22/97
14:59
VRC

Reference 478/3H
Origin

Cell

Vehicle

DESCRIPTION

-	Gross wt.	39980	TON	5.35
	Tare wt.	29280	Cu Yd	0
	Net wt.	10700	Count	0

6 Garbage, C/F @ \$ 18.30 per TON 97.91

ST REFUSE TAX INCL.

0.00

Net charge amount

97.90

Signature

[Handwritten Signature] *SECOR # 3* *10/22/97*

Secor

YAKIMA COUNTY PUBLIC WORKS
WASTE SHIPMENT RECORD

Soil

RI-3
Soil

GENERATOR	1. Work site name and mailing address YAKIMA RAILROAD AREA		Owner's name DEPT. ECOLOGY	Owner's telephone no.	
	2. Operator's name and address SECOR INT. INC. 15400 SE 30TH PLACE, SUITE 100 BELLEVUE, WA 98007			Operator's telephone no. (425) 641-9900	
	3. Waste disposal site (Mailing Address) YAKIMA COUNTY PUBLIC WORKS 128 N. 2ND STREET, ROOM 408 YAKIMA, WA 98901 (509) 574-2450		Physical Site Location TERRACE HEIGHTS LANDFILL 7601 ROZA HILL DRIVE YAKIMA, WA 98901 (509) 574-2475		
	4. Name and address of responsible agency YAKIMA COUNTY CLEAN AIR 6 S. SECOND ST., ROOM 1016, YAKIMA, WA 98901		Agency notified before removal yes/ no (509) 574-1410 / FAX NO. (509) 574-1411		
	5. Description of materials SOIL	6. Containers No. Type	7. Total quantity 4.5 Yds.		
	Invoice No.		Lbs.		
	8. Special handling instructions and additional information				
	9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.				
TRANSPORTER	Printed/typed name & title Rick Koch/ Ecology		Signature [Signature]	Month Day Year 10/21/97	
	10. Transporter 1 (Acknowledgment of receipt of materials)				
	Printed/typed name & title Yori Waste Systems Address and telephone no. 248-4523 2802 E Terrace Hill Dr. Yakima WA 98901		Signature John Hansen	Month Day Year 10 22 97	
	11. Transporter 2 (Acknowledgment of receipt of materials)				
DISPOSAL SITE	12. Discrepancy				
	13. Waste disposal site owner or operator: TERRACE HEIGHTS LANDFILL / PHASE III AREA YAKIMA COUNTY				
	Printed/typed name & title Mike Carey Crew Chief		Signature [Signature]	Month Day Year 10-22-97	

16TH AV
Y
PRASCH

RI4

YAKIMA COUNTY SOLID WASTE
TERRACE HTS LANDFILL

000789
SECOR INTERNATIONAL INC.
15400 SE 30th PLACE, SUITE 100
BELLEVUE WA 98007

Ticket # 607829
11/13/97
13:07
VRC

Reference R1/4
Origin

Cell

Vehicle

DESCRIPTION

-	Gross wt.	36740	TON	6.54
	Tare wt.	23660	Cu Yd	0
	Net wt.	13080	Count	0

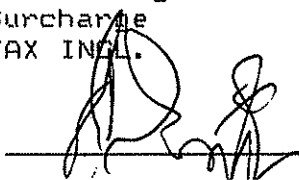
5 Garbage - Ton @ \$ 19.00 per TON 124.26

Surcharge -0.01

ST REFUSE TAX INCL. 0.00

Net charge amount 124.25

Signature



Secor

YAKIMA COUNTY PUBLIC WORKS
WASTE SHIPMENT RECORD

SOIL

GENERATOR	1. Work site name and mailing address YAKIMA RAILROAD AREA		Owner's name DEPT. ECOLOGY	Owner's telephone no.	
	2. Operator's ^{Coordinator's} name and address SECOR INT. INC. 15400 SE 30TH PLACE, Suite 100 BELLEVUE, WA 98007		Operator's telephone no. (425) 641-9900		
	3. Waste disposal site (Mailing Address) YAKIMA COUNTY PUBLIC WORKS 128 N. 2ND STREET, ROOM 408 YAKIMA, WA 98901 (509) 574-2450		Physical Site Location TERRACE HEIGHTS LANDFILL 7601 ROZA HILL DRIVE YAKIMA, WA 98901 (509) 574-2475		
	4. Name and address of responsible agency YAKIMA COUNTY CLEAN AIR 6 S. SECOND ST., ROOM 1016, YAKIMA, WA 98901		Agency notified before removal yes / no (509) 574-1410 / FAX NO. (509) 574-1411		
	5. Description of materials SOIL	6. Containers No. Type	7. Total quantity Yds. Lbs.		
	8. Special handling instructions and additional information				
	9. OPERATOR'S ^{Coordinator's} CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.				
	Printed/typed name & title Holly Conroy, SECOR		Signature Paul Rock / Ecology	Month Day Year 11/13/97	
TRANSPORTER	10. Transporter 1 (Acknowledgment of receipt of materials)				
	Printed/typed name & title JOHN SWITZER DRIVER Address and telephone no. VWS		Signature J Switzer	Month Day Year 11 13 97	
	11. Transporter 2 (Acknowledgment of receipt of materials)				
DISPOSAL SITE	12. Discrepancy				
	13. Waste disposal site owner or operator: TERRACE HEIGHTS LANDFILL / PHASE III AREA YAKIMA COUNTY				
	Printed/typed name & title R. Anderson Oper		Signature R. Anderson	Month Day Year 11-13-97	

RT-4
SOIL

Yakima waste



Superior Analytical Laboratory

|
|
|
|
|
|
|
|
|

FAX COVER SHEET

Laboratory: (510) 313-0850 Facsimile: (510) 229-0916
835 Arnold Drive Suite 106 Martinez, California 94553

To: SECOR

Date: 11-12-97

From: Superior Analytical Laboratory

Page 1 of 3

To: Holly Conner
From: Afsaneh Salimpour

RI-4 Soil + water results

S 16th Ave. + Prash

Yakima Waste Container

*OK Per K...
11-13-97*

SECOR
Attn.: CLIFF SCHMIDT
Client Project: 00378-001-01

Summary Sheet
Lab Job# 23517

Sample	Compound	Conc.	Unit	RL
01 RI4-SOIL.....	Halogenated Volatile Organics by EPA SW-			
	Chloromethane	ND	ug/Kg	5.0
	Vinyl Chloride	ND	ug/Kg	5.0
	Bromomethane	ND	ug/Kg	5.0
	Chloroethane	ND	ug/Kg	5.0
	Trichlorofluoromethane	ND	ug/Kg	5.0
	1,1-Dichloroethene	ND	ug/Kg	5.0
	Dichloromethane	ND	ug/Kg	25
	t-1,2-Dichloroethene	ND	ug/Kg	5.0
	1,1-Dichloroethane	ND	ug/Kg	5.0
	c-1,2-Dichloroethene	ND	ug/Kg	5.0
	Chloroform	ND	ug/Kg	5.0
	1,1,1-Trichloroethane	ND	ug/Kg	5.0
	Carbon tetrachloride	ND	ug/Kg	5.0
	1,2-Dichloroethane	ND	ug/Kg	5.0
	Trichloroethene	ND	ug/Kg	5.0
	c-1,3-Dichloropropene	ND	ug/Kg	5.0
	1,2-Dichloropropane	ND	ug/Kg	5.0
	t-1,3-Dichloropropene	ND	ug/Kg	5.0
	Bromodichloromethane	ND	ug/Kg	5.0
	1,1,2-Trichloroethane	ND	ug/Kg	5.0
	Tetrachloroethene	ND	ug/Kg	5.0
	Dibromochloromethane	ND	ug/Kg	5.0
	Chlorobenzene	ND	ug/Kg	5.0
	Bromoform	ND	ug/Kg	5.0
	1,1,1,2-Tetrachloroethane	ND	ug/Kg	5.0
	1,3-Dichlorobenzene	ND	ug/Kg	5.0
	1,2-Dichlorobenzene	ND	ug/Kg	5.0
	1,4-Dichlorobenzene	ND	ug/Kg	5.0
02 RI4-WATER.....	Halogenated Volatile Organics by EPA SW-			
	Chloromethane	ND	ug/L	0.5
	Vinyl Chloride	ND	ug/L	0.5
	Bromomethane	ND	ug/L	0.5
	Chloroethane	ND	ug/L	0.5
	Trichlorofluoromethane	ND	ug/L	0.5
	1,1-Dichloroethene	ND	ug/L	0.5
	Dichloromethane	ND	ug/L	2.5
	t-1,2-Dichloroethene	ND	ug/L	0.5
	1,1-Dichloroethane	ND	ug/L	0.5
	c-1,2-Dichloroethene	ND	ug/L	0.5
	Chloroform	ND	ug/L	0.5
	1,1,1-Trichloroethane	ND	ug/L	0.5
	Carbon tetrachloride	ND	ug/L	0.5
	1,2-Dichloroethane	ND	ug/L	0.5
	Trichloroethene	ND	ug/L	0.5
	c-1,3-Dichloropropene	ND	ug/L	0.5
	1,2-Dichloropropane	ND	ug/L	0.5
	t-1,3-Dichloropropene	ND	ug/L	0.5
	Bromodichloromethane	ND	ug/L	0.5
	1,1,2-Trichloroethane	ND	ug/L	0.5
	Tetrachloroethene	ND	ug/L	0.5
	Dibromochloromethane	ND	ug/L	0.5
	Chlorobenzene	ND	ug/L	0.5
	Bromoform	ND	ug/L	0.5
	1,1,1,2-Tetrachloroethane	ND	ug/L	0.5

SECOR
Attn.: CLIFF SCHMIDT
Client Project: 00378-001-01

Summary Sheet
Lab Job# 23517

Sample	Compound	Conc.	Unit	RL
02 RI4-WATER.....	Halogenated Volatile Organics by EPA SW-			(Continued)
	1,3-Dichlorobenzene	ND	ug/L	0.5
	1,2-Dichlorobenzene	ND	ug/L	0.5
	1,4-Dichlorobenzene	ND	ug/L	0.5

YAKIMA COUNTY SOLID WASTE
TERRACE HTS LANDFILL

RI-5

000789
SECOR INTERNATIONAL INC.
15400 SE 30th PLACE, SUITE 100

BELLEVUE WA 98007

Ticket # 602072
10/29/97
15:12
VRC

Reference YWS
Origin

Cell

Vehicle

DESCRIPTION

-	Gross wt.	38880	TON	4.72
	Tare wt.	29440	Cu Yd	0
	Net wt.	9440	Count	0

5	Garbage - Ton @ \$ 19.00 per TON	89.68
	Surcharge	0.02
ST REFUSE TAX INCL.		0.00
	Net charge amount	89.70

Signature

Scott Secor #4

Secor

YAKIMA COUNTY PUBLIC WORKS
WASTE SHIPMENT RECORD

SOIL

RI-5
SOIL

GENERATOR

1. Work site name and mailing address YAKIMA RAILROAD AREA		Owner's name DEPT. ECOLOGGY	Owner's telephone no.
2. Operator's name and address SECOR INT. INC. 15400 SE 30TH PLACE, SUITE 100 BELLEVUE, WA 98007		Operator's telephone no. (425) 641-9900	
3. Waste disposal site (Mailing Address) YAKIMA COUNTY PUBLIC WORKS 128 N. 2ND STREET, ROOM 408 YAKIMA, WA 98901 (509) 574-2450		Physical Site Location TERRACE HEIGHTS LANDFILL 7601 ROZA HILL DRIVE YAKIMA, WA 98901 (509) 574-2475	
4. Name and address of responsible agency YAKIMA COUNTY CLEAN AIR 6 S. SECOND ST., ROOM 1016, YAKIMA, WA 98901		Agency notified before removal yes / no (509)574-1410/FAX NO. (509)574-1411	
5. Description of materials SOIL	6. Containers No. Type	7. Total quantity Yds. Lbs.	
8. Special handling instructions and additional information			
9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.			

Printed/typed name & title <i>Phil Beck / Ecology</i>	Signature <i>Phil Beck</i>	Month Day Year 10/23/97
--	-------------------------------	----------------------------

TRANSPORTER

10. Transporter 1 (Acknowledgment of receipt of materials)		
Printed/typed name & title <i>Scott Robinson</i> Address and telephone no. YAKIMA WASTE SYSTEMS, INC. P.O. 2830 YAKIMA, WA 98907	Signature <i>Scott Robinson</i>	Month Day Year 10-29-97

11. Transporter 2 (Acknowledgment of receipt of materials)		
Printed/typed name & title Address and telephone no. <i>N/A</i>	Signature	Month Day Year

DISPOSAL SITE

12. Discrepancy		
13. Waste disposal site owner or operator: TERRACE HEIGHTS LANDFILL / PHASE III AREA YAKIMA COUNTY		
Printed/typed name & title <i>Vonda Collins</i>	Signature <i>Vonda Collins</i>	Month Day Year 10/29/97

YAKIMA COUNTY SOLID WASTE
TERRACE HTS LANDFILL

000789
SECOR INTERNATIONAL INC.
15400 SE 30th PLACE, SUITE 100
BELLEVUE WA 98007

Ticket # 605339
11/07/97
14:25
VRC

Reference 485/53
Origin

Cell

Vehicle DESCRIPTION

Gross wt.	33580	TON	3.25
Tare wt.	27080	Cu Yd	0
Net wt.	6500	Count	0

5 Garbage -- Ton @ \$ 19.00 per TON

61.75

ST REFUSE TAX INCL.



Net charge amount
0.00
61.75

Signature



Handwritten: #2
RI-6

RI-6

Secor

YAKIMA COUNTY PUBLIC WORKS
WASTE SHIPMENT RECORD

SOIL

RI-6
SOIL

GENERATOR	1. Work site name and mailing address YAKIMA RAILROAD AREA		Owner's name DEPT. ECOLOGY	Owner's telephone no.	
	2. ^{COORDINATOR'S} Operator's name and address SECOR INT. INC. 15400 SE 30TH PLACE, SUITE 100 BELLEVUE, WA 98007		Operator's telephone no. (425) 641-9900		
	3. Waste disposal site (Mailing Address) YAKIMA COUNTY PUBLIC WORKS 128 N. 2ND STREET, ROOM 408 YAKIMA, WA 98901 (509) 574-2450		Physical Site Location TERRACE HEIGHTS LANDFILL 7601 ROZA HILL DRIVE YAKIMA, WA 98901 (509) 574-2475		
	4. Name and address of responsible agency YAKIMA COUNTY CLEAN AIR 6 S. SECOND ST., ROOM 1016, YAKIMA, WA 98901		Agency notified before removal yes / no (509) 574-1410 / FAX NO. (509) 574-1411		
	5. Description of materials SOIL	6. Containers No. Type	7. Total quantity Yds. Lbs.		
8. Special handling instructions and additional information Invoice No. 605337					
9. ^{COORDINATOR'S} OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.					
Printed/typed name & title Holly Cornu, Secor		Signature Rich Roche Eubank		Month Day Year 11/5/97	
TRANSPORTER	10. Transporter 1 (Acknowledgment of receipt of materials)				
	Printed/typed name & title Address and telephone no.		Signature Paul Selawski		Month Day Year 11 7 97
	11. Transporter 2 (Acknowledgment of receipt of materials)				
	Printed/typed name & title Address and telephone no.		Signature		Month Day Year
DISPOSAL SITE	12. Discrepancy NONE				
	13. Waste disposal site owner or operator: TERRACE HEIGHTS LANDFILL / PHASE III AREA YAKIMA COUNTY				
	Printed/typed name & title CHARLES JONES		Signature Charles E Jones		Month Day Year 11/7/97

URC

YAKIMA COUNTY SOLID WASTE
TERRACE HIS LANDFILL

**** DUPLICATE TICKET ****

Ticket # 601957
10/29/97
12:35
VRC

000789
SECOR INTERNATIONAL INC.
15400 SE 30th PLACE, SUITE 100
BELLEVUE WA 98007

Reference 521/52
Origin

Cell

DESCRIPTION

Vehicle

-	Gross wt.	38200	TON	5.23
	Tare wt.	27740	Cu Yd	0
	Net wt.	10460	Count	0

5 Garbage - Ton @ \$ 19.00 per TON
Surcharge

99.37
-0.02
0.00
99.35

ST REFUSE TAX INCL.

Net charge amount

RI-8
RI-9

*Only weight ticket
available. Checked
with Superior - they
said they combined
RI-8 and RI-9
(HC 11/7/97)*

Secor

YAKIMA COUNTY PUBLIC WORKS
WASTE SHIPMENT RECORD

SOIL

RI-8
SOIL

GENERATOR	1. Work site name and mailing address YAKIMA RAILROAD AREA	Owner's name DEPT. ECOLOGY	Owner's telephone no.	
	2. ^{COORDINATORS} Operator's name and address SECOR INT. INC. 15400 SE 30TH PLACE, SUITE 100 BELLEVUE, WA 98007	Operator's telephone no. (425) 641-9900		
	3. Waste disposal site (Mailing Address) YAKIMA COUNTY PUBLIC WORKS 128 N. 2ND STREET, ROOM 408 YAKIMA, WA 98901 (509) 574-2450	Physical Site Location TERRACE HEIGHTS LANDFILL 7601 ROZA HILL DRIVE YAKIMA, WA 98901 (509) 574-2475		
	4. Name and address of responsible agency YAKIMA COUNTY CLEAN AIR 6 S. SECOND ST., ROOM 1016, YAKIMA, WA 98901	Agency notified before removal yes / no (509)574-1410/FAX NO. (509)574-1411		
	5. Description of materials SOIL Cuttings RI-8	6. Containers No. Type	7. Total quantity Yds.	
	Invoice No.	Lbs.		
	8. Special handling instructions and additional information			
	9. ^{COORDINATORS} OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.			
	Printed/typed name & title SECOR E. E. A. H.		Signature Richard H. Bennett (WADE)	Month Day Year 10.27.97
TRANSPORTER	10. Transporter 1 (Acknowledgment of receipt of materials)			
	Printed/typed name & title Superior Refuse Address and telephone no. 1565 W. ANTIANUM WYOM GAP 248-2533	Signature Therese A. Bell	Month Day Year 10/29/97	
	11. Transporter 2 (Acknowledgment of receipt of materials)			
	Printed/typed name & title Address and telephone no.	Signature	Month Day Year	
DISPOSAL SITE	12. Discrepancy NONE			
	13. Waste disposal site owner or operator: TERRACE HEIGHTS LANDFILL / PHASE III AREA YAKIMA COUNTY			
	Printed/typed name & title CHARLES JOHN	Signature Charles John	Month Day Year 10.29.97	

Secor

YAKIMA COUNTY PUBLIC WORKS
WASTE SHIPMENT RECORD

SOIL

RI-9
SOIL

GENERATOR

1. Work site name and mailing address YAKIMA RAILROAD AREA		Owner's name DEPT. ECOLOGY	Owner's telephone no.
2. Operator's name and address SECOR INT. INC. 15400 SE 30TH PLACE, Suite 100 BELLEVUE, WA 98007		Operator's telephone no. (425) 641-9900	
3. Waste disposal site (Mailing Address) YAKIMA COUNTY PUBLIC WORKS 128 N. 2ND STREET, ROOM 408 YAKIMA, WA 98901 (509) 574-2450		Physical Site Location TERRACE HEIGHTS LANDFILL 7601 ROZA HILL DRIVE YAKIMA, WA 98901 (509) 574-2475	
4. Name and address of responsible agency YAKIMA COUNTY CLEAN AIR 6 S. SECOND ST., ROOM 1016, YAKIMA, WA 98901		Agency notified before removal yes / no (509) 574-1410 / FAX NO. (509) 574-1411	
5. Description of materials SOIL	6. Containers No. Type	7. Total quantity Yds. Lbs.	
8. Special handling instructions and additional information Coordinators			
9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.			

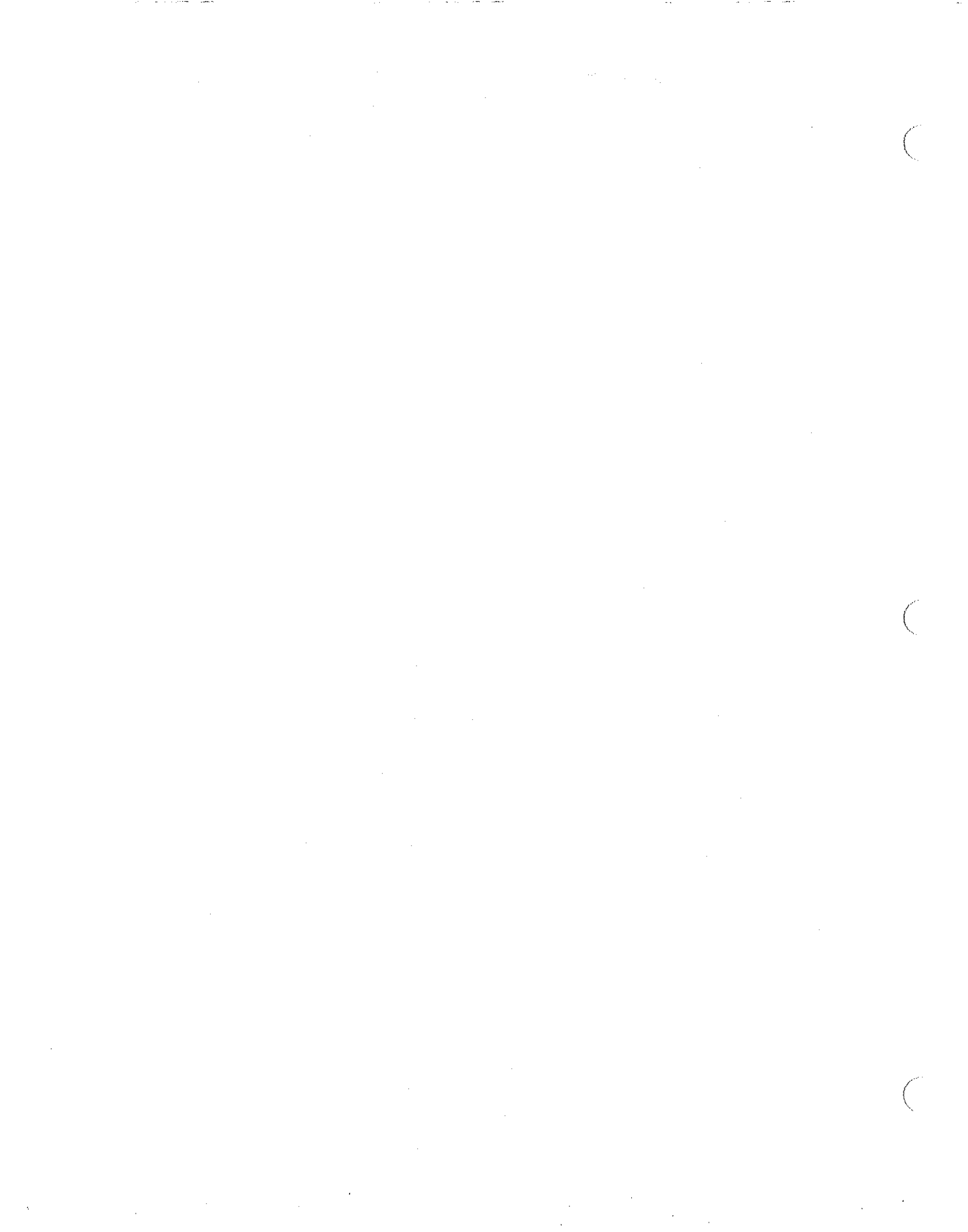
Printed/typed name & title Richard H. Rossett (WDOE)	Signature Holly Coram, SECOR	Month Day Year 10/24/97
---	---------------------------------	----------------------------

TRANSPORTER

10. Transporter 1 (Acknowledgment of receipt of materials)		
Printed/typed name & title Superior Waste Address and telephone no. 1405 W. AHTANUM Union Gap 248-7533	Signature Trent A. [Signature]	Month Day Year 10/29/97
11. Transporter 2 (Acknowledgment of receipt of materials)		
Printed/typed name & title	Signature	Month Day Year
Address and telephone no.		

DISPOSAL SITE

12. Discrepancy		
13. Waste disposal site owner or operator: TERRACE HEIGHTS LANDFILL / PHASE III AREA YAKIMA COUNTY		
Printed/typed name & title Charles Jones	Signature Charles Jones	Month Day Year 10/29/97



RI-13 (1st)

YAKIMA COUNTY SOLID WASTE
TERRACE HTS LANDFILL

000789
SECOR INTERNATIONAL INC.
15400 SE 30th PLACE, SUITE 100
BELLEVUE WA 98007

Ticket # 604510
11/05/97
11:42
VRC

Reference
Origin

Cell

Vehicle

DESCRIPTION

11:30-12:25
55 min

-	Gross wt.	40260	TON	6.09
	Tare wt.	28080	Cu Yd	0
	Net wt.	12180	Count	0

5	Garbage - Ton @ \$ 19.00 per TON	115.71
	Surcharge	-0.01
	ST REFUSE TAX INCL.	0.00
	Net charge amount	115.70

Signature Secor



Secor

YAKIMA COUNTY PUBLIC WORKS
WASTE SHIPMENT RECORD

Soil

RI-13
Soil

GENERATOR	1. Work site name and mailing address YAKIMA RAILROAD AREA		Owner's name DEPT. ECOLOGY	Owner's telephone no.	
	2. ^{Coordinator} Operator's name and address SECOR INT. INC. 15400 SE 30TH PLACE, Suite 100 BELLEVUE, WA 98007			Operator's telephone no. (425) 641-9900	
	3. Waste disposal site (Mailing Address) YAKIMA COUNTY PUBLIC WORKS 128 N. 2ND STREET, ROOM 408 YAKIMA, WA 98901 (509) 574-2450		Physical Site Location TERRACE HEIGHTS LANDFILL 7601 ROZA HILL DRIVE YAKIMA, WA 98901 (509) 574-2475		
	4. Name and address of responsible agency YAKIMA COUNTY CLEAN AIR 6 S. SECOND ST., ROOM 1016, YAKIMA, WA 98901		Agency notified before removal yes / no (509) 574-1410 / FAX NO. (509) 574-1411		
	5. Description of materials SOIL CUTTINGS RI-13		6. Containers No. Type	7. Total quantity Yds. Lbs.	
	8. Special handling instructions and additional information				
	9. ^{COORDINATOR} OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.				
	Printed/typed name & title <i>[Signature]</i>		Signature <i>[Signature]</i>		Month Day Year 10-31-97
	10. Transporter 1 (Acknowledgment of receipt of materials)				
TRANSPORTER	Printed/typed name & title Ron Richmond Address and telephone no. 2812 1/2 Terrace Hgts Dr. 248-4213		Signature <i>[Signature]</i>		Month Day Year 11/5/97
	11. Transporter 2 (Acknowledgment of receipt of materials)				
	Printed/typed name & title Address and telephone no.		Signature		Month Day Year
DISPOSAL SITE	12. Discrepancy				
	13. Waste disposal site owner or operator: TERRACE HEIGHTS LANDFILL / PHASE III AREA YAKIMA COUNTY				
	Printed/typed name & title Mike Carey Crewchief		Signature <i>[Signature]</i>		Month Day Year 11-5-97

SECOR

RI 13 - 2ND

RTL

YAKIMA COUNTY SOLID WASTE
TERRACE HTS LANDFILL

000789
SECOR INTERNATIONAL INC.
15400 SE 30th PLACE, SUITE 100

Ticket # 610833
11/21/97
14:14
ALAN

BELLEVUE WA 98007

Reference RI13
Origin

Cell

Vehicle

DESCRIPTION

-	Gross wt.	46980	TON	9.70
	Tare wt.	27580	Cu Yd	0
	Net wt.	19400	Count	0

5 Garbage - Top @ \$ 19.00 per TON 184.30

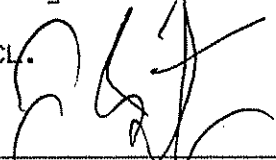
ST REFUSE TAX INCL.

0.00

Net charge amount

184.30

Signature _____



Secor

YAKIMA COUNTY PUBLIC WORKS
WASTE SHIPMENT RECORD

SOIL

RI-13
Soil

GENERATOR	1. Work site name and mailing address YAKIMA RAILROAD AREA		Owner's name DEPT. ECOLOGGY	Owner's telephone no.	
	2. Operator's ^{Coordinator for} name and address SECOR INT. INC. 15400 SE 30TH PLACE, SUITE 100 BELLEVUE, WA 98007			Operator's telephone no. (425) 641-9900	
	3. Waste disposal site (Mailing Address) YAKIMA COUNTY PUBLIC WORKS 128 N. 2ND STREET, ROOM 408 YAKIMA, WA 98901 (509) 574-2450		Physical Site Location TERRACE HEIGHTS LANDFILL 7601 ROZA HILL DRIVE YAKIMA, WA 98901 (509) 574-2475		
	4. Name and address of responsible agency YAKIMA COUNTY CLEAN AIR 6 S. SECOND ST., ROOM 1016, YAKIMA, WA 98901		Agency notified before removal yes / no (509)574-1410/FAX NO. (509)574-1411		
	5. Description of materials SOIL CUTTINGS RI-13	6. Containers No. Type		7. Total quantity Yds.	
	Invoice No.				Lbs.
	8. Special handling instructions and additional information				
	9. OPERATOR'S ^{COORDINATOR} CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.				
TRANSPORTER	Printed/typed name & title <i>[Signature]</i>		Signature <i>[Signature]</i>	Month Day Year 10-31-97	
	10. Transporter 1 (Acknowledgment of receipt of materials)				
	Printed/typed name & title JOHN SWITZER DRIVER Address and telephone no. VWS		Signature <i>[Signature]</i>	Month Day Year 11 21 97	
DISPOSAL SITE	11. Transporter 2 (Acknowledgment of receipt of materials)				
	Printed/typed name & title Address and telephone no.		Signature		Month Day Year
	12. Discrepancy				
13. Waste disposal site owner or operator:		TERRACE HEIGHTS LANDFILL / PHASE III AREA YAKIMA COUNTY			
Printed/typed name & title R. Anderson Oper		Signature <i>[Signature]</i>	Month Day Year 11-21-97		

SECOR
CONTAINER

RI-13

(2nd)



Superior Analytical Laboratory

FAX COVER SHEET

Laboratory: (510) 313-0850 Facsimile: (510) 229-0916
835 Arnold Drive Suite 106 Martinez, California 94553

To: SECOR
From: Superior Analytical Laboratory

Date: 11-14-97
Page 1 of 2

To: CLIFF SCHMIDT
From: Afsaneh Salimpour

*RI-13 (2nd Container)
located at 18th St. and Central
Ave.*

SECOR
Attn.: CLIFF SCHMIDT
Client Project: 00378-001-01

Summary Sheet
Lab Job# 23529

Sample	Compound	Conc.	Unit	RL
01 RI13-SOIL-2.....	Halogenated Volatile Organics by EPA SN-			
	Chloromethane	ND	ug/Kg	5.0
	Vinyl Chloride	ND	ug/Kg	5.0
	Bromomethane	ND	ug/Kg	5.0
	Chloroethane	ND	ug/Kg	5.0
	Trichlorofluoromethane	ND	ug/Kg	5.0
	1,1-Dichloroethene	ND	ug/Kg	5.0
	Dichloromethane	ND	ug/Kg	25
	t-1,2-Dichloroethene	ND	ug/Kg	5.0
	1,1-Dichloroethane	ND	ug/Kg	5.0
	c-1,2-Dichloroethene	ND	ug/Kg	5.0
	Chloroform	ND	ug/Kg	5.0
	1,1,1-Trichloroethane	ND	ug/Kg	5.0
	Carbon tetrachloride	ND	ug/Kg	5.0
	1,2-Dichloroethane	ND	ug/Kg	5.0
	Trichloroethene	ND	ug/Kg	5.0
	c-1,3-Dichloropropene	ND	ug/Kg	5.0
	1,2-Dichloropropane	ND	ug/Kg	5.0
	t-1,3-Dichloropropene	ND	ug/Kg	5.0
	Bromodichloromethane	ND	ug/Kg	5.0
	1,1,2-Trichloroethane	ND	ug/Kg	5.0
	Tetrachloroethene	ND	ug/Kg	5.0
	Dibromochloromethane	ND	ug/Kg	5.0
	Chlorobenzene	ND	ug/Kg	5.0
	Bromoform	ND	ug/Kg	5.0
	1,1,2,2-Tetrachloroethan	ND	ug/Kg	5.0
	1,3-Dichlorobenzene	ND	ug/Kg	5.0
	1,2-Dichlorobenzene	ND	ug/Kg	5.0
	1,4-Dichlorobenzene	ND	ug/Kg	5.0

YAKIMA COUNTY SOLID WASTE
TERRACE HTS LANDFILL

10TH ST
+
RACE
R-14

000789
SECOR INTERNATIONAL INC.
15400 SE 30th PLACE, SUITE 100

Ticket # 607758
11/13/97
11:38
VRC

BELLEVUE WA 98007

Reference 10/3A
Origin

Cell

Vehicle

DESCRIPTION

-	Gross wt.	34560	TON	5.46
	Tare wt.	23640	Cu Yd	0
	Net wt.	10920	Count	0

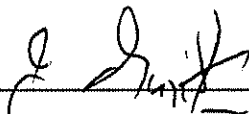
5 Garbage - Ton @ \$ 19.00 per TON 103.74

Surcharge 0.01

ST REFUSE TAX INCL. 0.00

Net charge amount 103.75

Signature



Secor

YAKIMA COUNTY PUBLIC WORKS
WASTE SHIPMENT RECORD

SOIL

RI-14
SOIL

GENERATOR	1. Work site name and mailing address YAKIMA RAILROAD AREA		Owner's name DEPT. ECOLOGY	Owner's telephone no.	
	2. Operator's ^{Coordinator's} name and address SECOR INT. INC. 15400 SE 30TH PLACE, SUITE 100 BELLEVUE, WA 98007		Operator's telephone no. (425) 641-9900		
	3. Waste disposal site (Mailing Address) YAKIMA COUNTY PUBLIC WORKS 128 N. 2ND STREET, ROOM 408 YAKIMA, WA 98901 (509) 574-2450		Physical Site Location TERRACE HEIGHTS LANDFILL 7601 ROZA HILL DRIVE YAKIMA, WA 98901 (509) 574-2475		
	4. Name and address of responsible agency YAKIMA COUNTY CLEAN AIR 6 S. SECOND ST., ROOM 1016, YAKIMA, WA 98901		Agency notified before removal yes / no (509)574-1410/FAX NO. (509)574-1411		
	5. Description of materials SOIL	6. Containers No. Type	7. Total quantity Yds. Lbs.		
	8. Special handling instructions and additional information				
	9. OPERATOR'S ^{Coordinator's} CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.				
	Printed/typed name & title Holly Corna, Secor Dept. Ecology		Signature <i>[Signature]</i>	Month Day Year 11/6/97	
TRANSPORTER	10. Transporter 1 (Acknowledgment of receipt of materials)				
	Printed/typed name & title JOHN SWITZER DRIVER Address and telephone no. YWS.		Signature <i>[Signature]</i>	Month Day Year 11 13 97	
	11. Transporter 2 (Acknowledgment of receipt of materials)				
	Printed/typed name & title Address and telephone no.		Signature	Month Day Year	
DISPOSAL SITE	12. Discrepancy				
	13. Waste disposal site owner or operator: TERRACE HEIGHTS LANDFILL / PHASE III AREA YAKIMA COUNTY				
	Printed/typed name & title R. Anderson Oper		Signature <i>[Signature]</i>	Month Day Year 11-3-97	

Chain-of Custody Number:

SECOR Chain-of Custody Record

Field Office: Belleave
 Address: 15400 SE 30th Place Suite 100
Belleave, WA 98007
 Additional documents are attached, and are a part of this Record.
 Job Name: YRRA
 Location: Yakima, WA

Project #	Task #	Sampler's Name	Sampler's Signature	Turnaround Time	Analysis Request			Comments/Instructions	Number of Containers
					Sample ID	Date	Time		
00378-01-01	3	Cliff Schmidt							
RI14 - SOIL	1400	Superior		11/14/97					
RI14 - WATER	1520	SAME DAY		11/15/97					
Trip Blank	-			-			HOLD		

Special Instructions/Comments:
 Please fax results to Cliff Schmidt at (425) 641-9092 and Holly Corner - SECOR (509) 575-1694 at
FRAME DAY RESULTS

Relinquished by:		Received by:	
Sign	Holly Corner	Sign	
Print	Holly Corner	Print	
Company	SECOR	Company	
Time	6:10	Time	
Date	11/15/97	Date	

Relinquished by:		Received by:	
Sign		Sign	
Print		Print	
Company		Company	
Time		Time	
Date		Date	

Sample Receipt	
Total no. of containers:	
Chain of custody seals:	
Recd. in good condition/cold:	
Conforms to record:	

Client:	
Client Contact:	
Client Phone:	

14



Superior Analytical Laboratory

FAX COVER SHEET

Laboratory: (510) 313-0850 Facsimile: (510) 229-0916
835 Arnold Drive Suite 106 Martinez, California 94553

To: SECOR

Date: 11-7-97

From: Superior Analytical Laboratory

Page 1 of 3

To: HOLLY
From: Afaneh Salimpour

RI-14 Results

#6 = Race St. & Fair (E. of Fair)

Yakima Waste Containers.

OK Row
vertical - 11-13-97

Post-it® Fax Note	7671	Date	11/10/97	# of pages	3
To	Scott R.	From	Rhonda		
Co./Dept	YWS	Co.	Yakima County		
Phone #		Phone #	509-2450		
Fax #	509-0170	Fax #			

SECOR
Attn.: CLIFF SCHMIDT
Client Project: 00878-001-01 TASK 3

Summary Sheet

Lab Job# 23499

Sample	Compound	Conc.	Unit	PL
01 RI14-SOIL.....	Halogenated Volatile Organics by EPA SW-			
	Chloromethane	ND	ug/Kg	5.0
	Vinyl Chloride	ND	ug/Kg	5.0
	Bromomethane	ND	ug/Kg	5.0
	Chloroethane	ND	ug/Kg	5.0
	Trichlorofluoromethane	ND	ug/Kg	5.0
	1,1-Dichloroethene	ND	ug/Kg	5.0
	Dichloromethane	ND	ug/Kg	25
	t-1,2-Dichloroethene	ND	ug/Kg	5.0
	1,1-Dichloroethane	ND	ug/Kg	5.0
	c-1,2-Dichloroethene	ND	ug/Kg	5.0
	Chloroform	ND	ug/Kg	5.0
	1,1,1-Trichloroethane	ND	ug/Kg	5.0
	Carbon tetrachloride	ND	ug/Kg	5.0
	1,2-Dichloroethane	ND	ug/Kg	5.0
	Trichloroethane	ND	ug/Kg	5.0
	c-1,3-Dichloropropene	ND	ug/Kg	5.0
	1,2-Dichloropropane	ND	ug/Kg	5.0
	t-1,3-Dichloropropene	ND	ug/Kg	5.0
	Bromodichloromethane	ND	ug/Kg	5.0
	1,1,2-Trichloroethane	ND	ug/Kg	5.0
	Tetrachloroethene	ND	ug/Kg	5.0
	Dibromochloromethane	ND	ug/Kg	5.0
	Chlorobenzene	ND	ug/Kg	5.0
	Bromoform	ND	ug/Kg	5.0
	1,1,1,2-Tetrachloroethan	ND	ug/Kg	5.0
	1,3-Dichlorobenzene	ND	ug/Kg	5.0
	1,2-Dichlorobenzene	ND	ug/Kg	5.0
	1,4-Dichlorobenzene	ND	ug/Kg	5.0
02 RI14-WATER.....	Halogenated Volatile Organics by EPA SW-			
	Chloromethane	ND	ug/L	0.5
	Vinyl Chloride	ND	ug/L	0.5
	Bromomethane	ND	ug/L	0.5
	Chloroethane	ND	ug/L	0.5
	Trichlorofluoromethane	ND	ug/L	0.5
	1,1-Dichloroethene	ND	ug/L	0.5
	Dichloromethane	ND	ug/L	2.5
	t-1,2-Dichloroethene	ND	ug/L	0.5
	1,1-Dichloroethane	ND	ug/L	0.5
	c-1,2-Dichloroethene	ND	ug/L	0.5
	Chloroform	ND	ug/L	0.5
	1,1,1-Trichloroethane	ND	ug/L	0.5
	Carbon tetrachloride	ND	ug/L	0.5
	1,2-Dichloroethane	ND	ug/L	0.5
	Trichloroethane	ND	ug/L	0.5
	c-1,3-Dichloropropene	ND	ug/L	0.5
	1,2-Dichloropropane	ND	ug/L	0.5
	t-1,3-Dichloropropene	ND	ug/L	0.5
	Bromodichloromethane	ND	ug/L	0.5
	1,1,2-Trichloroethane	ND	ug/L	0.5
	Tetrachloroethene	ND	ug/L	0.5
	Dibromochloromethane	ND	ug/L	0.5
	Chlorobenzene	ND	ug/L	0.5
	Bromoform	ND	ug/L	0.5
	1,1,1,2-Tetrachloroethan	ND	ug/L	0.5

See attached pages for detailed information

SECOR
Attn.: CLIFF SCHMIDT
Client Project: 00878-001-01 TASK 3

Summary Sheet

Lab Job# 23499

Sample	Compound	Conc.	Unit	RL
02 RI14-WATER.....	Halogenated Volatile Organics by EPA SW-			(Continued)
	1,3-Dichlorobenzene	ND	ug/L	0.5
	1,2-Dichlorobenzene	ND	ug/L	0.6
	1,4-Dichlorobenzene	ND	ug/L	0.5

SECOR International Incorporated

Bellevue Office
15400 SE 30th Place, Suite 100
Bellevue, Washington 98007
Phone: (425) 641-9900
FAX: (425) 641-9092

see page 3 of
memo for
waste disposal
issues (HE)
2/4/98

M E M O R A N D U M

TO: Mark Valentine, *de maximis, inc.*

FROM: Holly Corner, Project Geologist
Cliff Schmitt, Senior Project Manager *CS*

RE: SECOR Invoice No. 1980297
YRRA RI
SECOR PN: 000378-001-01

DATE: February 4 1998

Please note the following changes to the above-referenced invoice for the Yakima Railroad Area remedial investigation (YRRA RI):

- charges for professional fees and services for Task YRRA#3 (Review 56 Quarterly Reports) = \$0;
- charges for professional fees and services for Task YRRA10 (Well Installation) = \$0;
- task YRRA6A (Soil Disposal) consists of 20.83 tons x \$79.00/ton = \$1,645.57; and
- the total revised invoice amount = \$28,100.57.

At your request, a revised invoice summary table is included with this memorandum.

SECOR reviewed the YRRA sample tracking spreadsheet to confirm the number of laboratory analytical samples billed during the current billing period. According to our records, this invoice included charges for a total of 64 samples collected during the well development program and first quarterly groundwater sampling round. (Please refer to page 2 [Task 7] of the December 1997 to January 1998 status report). The 64 samples consists of:

Mr. Mark Valentine
February 4, 1998
Page 2

- Twenty-eight samples from new wells installed during the drilling program (not including charges for the sample collected from RI-13i).
- Fifteen samples from the 13 subfacilities.
- Twelve QA/QC samples required by the SAP (including four trip blanks which were analyzed per the SAP).
- Two development samples, the results of which were forwarded to you in the November to December 1997 status report. These samples were not billed as part of the November to December 1997 invoice; rather, SECOR billed all the development samples in one invoice (December 1997 to January 1998 invoice).
- Seven development samples, the results of which were forwarded to you in the December 1997 to January 1998 status report.

You also requested additional information regarding the number and types of samples collected during the project. Please note the following for your tracking records:

- Review of SECOR's YRRA sample tracking spreadsheet indicates that results for 60 groundwater samples and four trip blanks were reported to you in the December 1997 to January 1998 Status Report. Your calculated total of seven trip blanks included three trip blanks which were submitted to the laboratory but placed "on hold" with the laboratory pending receipt of sample results. The samples were not analyzed.
- Sample identifications beginning with "DEV" were batch samples collected from water holding tanks as part of waste characterization.
- The following samples were collected as part of QA/QC procedures in accordance with the Work Plan:

RI-15d-1297	RINSATE-13s
RI-15s-1297	Rinsate-4s
RI-16s-1297	Rinsate-4d
Bottle Lot-1	Bottle Lot-2

- A total of 15 split groundwater samples were collected from the 13 subfacilities in accordance with the Work Plan (page 10).

Mr. Mark Valentine
February 4, 1998
Page 3

On January 12, 1998, Mark Valentine and Cliff Schmitt discussed the soil manifests and tonnage records for boreholes at RI-7, RI-10, RI-11, and RI-12 (a copy of the telephone conversation record is attached). As discussed, the Waste Shipment Records for soil from well pair locations RI-7, RI-10, RI-11, and RI-12 and the weight tickets for RI-7, RI-10, and RI-12 were lost by Terrace Heights Landfill and were not received by SECOR.

Per the procedures established prior to soil disposal at each site, SECOR signed the Waste Shipment Records, attained Ecology's signature, and attached the three signed copies to the appropriate soil container. The waste transporter and waste disposal facility were directed to sign the manifests to acknowledge receipt of the waste. According to Ms. Rhonda Counts of Yakima County Solid Waste Division, the manifests were apparently misplaced by the Terrace Height Landfill. A copy of the telephone conversation records for calls to Ms. Counts are attached. As indicated by the telephone conversation record dated January 12, 1998, SECOR's proposed method of estimating the weight for selected borings was "okay" with Mark Valentine.

SECOR trusts this provides sufficient information for your needs. Please contact us at (425) 641-9900 should you have further questions.

CTS/HC/ss

Attachment

SECOR

TELEPHONE CONVERSATION RECORD

Date: 1/2/98 Time: _____
Project Name: YRPA
Job No: 00378-001-01
Phone No: _____
Prepared By: OLIFF
Call: Placed Received

Contact/Title: MARK VALENTINI

Agency/Region: _____

Discussion: _____

no weights or manifests
① Waste Manifests + weight for RI-7, RI-10, RI-12 & RI-11 (manifest only missing)

OK w/ Perm. Was concerned regarding no manifest.

Not much SECOR can do.

Action Required: _____

cc: _____

Date: 12/9/97 + 12/10/97 Time: _____
 Project Name: YKRA
 Job No: 00378-CC1-01
 Phone No: (509) 574-2450
 Prepared By: Holly Corner
 Call: Placed Received

Contact/Title: Rhonda Counts

Agency/Region: Yakima County Solid waste Division.

Discussion: ^(12/9/97) Rhonda is faxing manifests and weigh tickets for the RI-6, RI-10, RI-11, and RI-12 drill cuttings. She does not have a manifest (= Waste Shipment Record) for RI-7. I talked to Janet at Superior Waste regarding this manifest in November 1997; at that time, she said she couldn't find it with her paperwork. I told Rhonda that I will talk to Janet and find out if Janet has found a copy. If not, I will request that Rick Roeder at Ecology sign new paperwork. Rhonda Counts will get a copy of the weigh ticket for me.

^(12/10/97) Rhonda called back. She cannot find weigh tickets or manifests in their files for RI-6, -7, -10, -11, and -12. She said they were training people at Terrace Heights and the papers may have been misplaced or misfiled at that time. I let her know that I talked to Superior Waste (Janet), and they did not have the RI-7 paperwork on file. We agreed that we would keep looking, and when Rhonda checks possible locations, she will let me know what is still missing. I will then talk to Ecology regarding new paperwork or another course of action.
 Holly Corner.

Action Required: ✓ (1) Call Janet at Superior Waste to see if she has RI-7 manifest. called 12/10/97; no manifest available.
^{not needed} (HC) × (2) if not, call Rick Roeder at Ecology and have him sign new paperwork for the file.

cc: ^(HC) (3) _____ Page 1 of 1

Date: 1/9/98 Time: ~ 10:00
Project Name: VRRRA
Job No: 00378-001-01
Phone No:
Prepared By: H Cornes
Call: Placed Received

Contact/Title: Rhonda Counts

Agency/Region: Yakima Co. Solid Waste Division

Discussion: I asked Rhonda if Solid Waste had received weigh tickets and manifests from RI-6, RI-7, RI-10, RI-12, and RI-11. She said they found all information for RI-6; ~~but they~~ ^{we} did not find weigh tickets ~~or~~ manifests for RI-7, RI-10, and RI-12; and they found the weigh ticket but not the manifest for RI-11.

I asked Rhonda to send us the RI-6 and RI-11 information for our records.

Note 1/12/98: Rhonda faxed RI-6 weigh ticket + manifest and RI-11 weigh ticket. Rec'd 1/12/98. Holly Cornes

Action Required:

cc: _____

Page 1 of 1

WASTE DISPOSAL TRACKING FORM

Date: 10-15-97

Soil

Water

Location (Well No.): RI-1

Activity Generating Waste: Soil Boring / Well Installation

Volume of Waste: Soil _____ tons (attach Bill of Lading) ~ 3 yds³

Water 400 gallons

Disposal Location: Sewer

Old Union

Rabanco

Terrace Heights

Print Name: Eric Arnett

WASTE DISPOSAL TRACKING FORM

Date: 10-17-97

Soil

Water

Location (Well No.): RI-2

Activity Generating Waste: Soil borings / well Installation

Volume of Waste: Soil ~ 3 yds tons (attach Bill of Lading) ..

Water ~ 800 gallons

Disposal Location: Sewer

Old Union

Rabanco

Terrace Heights

Print Name: Eric Arnett

WASTE DISPOSAL TRACKING FORM

Date: 10/20/97
Revised 10/22/97 (Horn)

Soil
Water

Location (Well No.): RI-3

Activity Generating Waste: Soil boring/monitoring well installation

Volume of Waste: Soil 4.5 tons (attach Bill of Lading)

Water 1800 gallons - Based on water levels observed on holding tanks.

Disposal Location: Sewer
Old Union (water)
Rabanco
Terrace Heights (soil)

Print Name: Holly Corner

WASTE DISPOSAL TRACKING FORM

Date: 11/13/97

Soil

Water

Location (Well No.): RI-4

Activity Generating Waste: Soil borings and monitoring
well installation

Volume of Waste: Soil _____ tons (attach Bill of Lading)

Water 2900 gallons *Based on levels observed in holding tanks*

Disposal Location: Sewer

Old Union

Rabanco

Terrace Heights

Print Name: Holly Corner

WASTE DISPOSAL TRACKING FORM

Date: 10/22/97 - 10/23/97

Soil

Water

Location (Well No.): RE-5

Activity Generating Waste: Soil Borings/Monitoring well installation

Volume of Waste: Soil _____ tons (attach Bill of Lading)

Water 1200 gallons - *Based on water levels observed on holding tanks.*

Disposal Location: Sewer

Old Union (water)

Rabanco

Terrace Heights (soil)

Print Name: Holly Corner

WASTE DISPOSAL TRACKING FORM

Date: 11/4/97

Soil

Water

Location (Well No.): RI-6 s/d

Activity Generating Waste: Soil borings and monitoring well installation.

Volume of Waste: Soil _____ tons (attach Bill of Lading)

Water 550 gallons - *Based on water levels observed on holding tanks.*

Disposal Location: Sewer

Old Union

Rabanco

Terrace Heights

Print Name: Holly Corner

WASTE DISPOSAL TRACKING FORM

Date: 10.29.97

Soil
Water

Location (Well No.): RI-7

Activity Generating Waste: Soil Boring / Well Installation

Volume of Waste: Soil ~ 4 yds³ tons (attach Bill of Lading)

Water 1,600 gallons - accumulated in poly tanks

- Disposal Location:
- Sewer
 - Old Union
 - Rabanco
 - Terrace Heights

Print Name: Eric Arnett

WASTE DISPOSAL TRACKING FORM

Date: 10-28-97

Soil

Water

Location (Well No.): RT-8

Activity Generating Waste: well Installation

Volume of Waste: Soil ~ 3 yds tons (attach Bill of Lading)

Water 1600 gallons from water levels
in holding tanks

Disposal Location: Sewer

Old Union

Rabanco

Terrace Heights

Print Name: Eric Annett

WASTE DISPOSAL TRACKING FORM

Date: 10-23-97, 10-24-97

Soil

Water

Location (Well No.): RI-9 d/s

Activity Generating Waste: Soil borings, monitoring, well installation

Volume of Waste: Soil ~ 4 yds³ tons (attach Bill of Lading)

Water 1300 gallons - Based on water levels observed in holding tanks.

Disposal Location: Sewer

Old Union

Rabanco

Terrace Heights

Print Name: Holly Corner

WASTE DISPOSAL TRACKING FORM

Date: 11/10/97

Soil
Water

Location (Well No.): RI-10

Activity Generating Waste: Soil borings, monitoring well installation.

Volume of Waste: Soil _____ tons (attach Bill of Lading)

Water 1,650 gallons - *based on water levels observed on holding tanks*

Disposal Location: Sewer

Old Union

Rabanco

Terrace Heights

Print Name: Holly Corner

WASTE DISPOSAL TRACKING FORM

Date: 11/18/97

Soil
Water

Location (Well No.): RI-11

Activity Generating Waste: Soil borings and monitoring well installation.

Volume of Waste: Soil _____ tons (attach Bill of Lading)

Water 2160 gallons *based on water levels observed on holding tanks.*

Disposal Location: Sewer

Old Union

Rabanco

Terrace Heights

Print Name: Holly Corner

WASTE DISPOSAL TRACKING FORM

Date: 11/19/97

Soil

Water

Location (Well No.): RI-12

Activity Generating Waste: Soil borings and monitoring well installation.

Volume of Waste: Soil _____ tons (attach Bill of Lading)

Water 3,100 gallons - *Based on water levels observed on holding tanks*

Disposal Location: Sewer

Old Union

Rabanco

Terrace Heights

Print Name: Holly Corner

WASTE DISPOSAL TRACKING FORM

Date: 11-3-97

Soil

Water

Location (Well No.): RI-13 s/d

Activity Generating Waste: Soil borings and monitoring well installation.

Volume of Waste: Soil _____ tons (attach Bill of Lading)

Water 6,620 gallons (Based on water levels observed on holding tanks)

Disposal Location: Sewer

Old Union

Rabanco

Terrace Heights

Print Name: Holly Corner

WASTE DISPOSAL TRACKING FORM

Date: 11/14/97

Soil

Water

Location (Well No.): RI-13

Activity Generating Waste: Soil borings and monitoring well installation

Volume of Waste: Soil _____ tons (attach Bill of Lading)

Water 3,300 gallons

Based on water levels observed on holding tanks.

Disposal Location: Sewer

Old Union

Rabanco

Terrace Heights

Print Name: Holly Corner

WASTE DISPOSAL TRACKING FORM

Date: 11/6/97

Soil

Water

Location (Well No.): RI-14

Activity Generating Waste: Soil borings/monitoring well installation

Volume of Waste: Soil _____ tons (attach Bill of Lading)

Water 600 gallons (Based on water levels observed on holding tanks)

Disposal Location: Sewer

Old Union

Rabanco

Terrace Heights

Print Name: Holly Corner



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

15 West Yakima, Suite 200 • Yakima, Washington 98902-3401 • (509) 575-2490

December 15, 1997

Mr. Peter Jewett
SECOR International Incorporated
15400 SE 30th Place, Suite 100
Bellevue WA 98007

RE: Discharge of Pump Test Water

Dear Peter:

I received your memo of December 11, 1997, regarding the pump tests for RI-13 and RI-4. Based on the analytical information you provided, SECOR is approved for discharge of the pump test water as proposed in your memo.

I also want to take a moment and commend SECOR on doing such a good job during last couple weeks sampling effort. Considering all of the parties you had to coordinate with and the quantity of samples to be taken, things went very well from Ecology's viewpoint.

See you on December 17 for the start of the pump tests.

Sincerely,

Rick Roeder
Site Manager
Toxics Cleanup Program

cc: Mark Valentine, *de maximus*

SECOR International Incorporated

Bellevue Office

15400 SE 30th Place, Suite 100

Bellevue, Washington 98007

Phone: (425) 641-9900

FAX: (425) 641-9092

M E M O R A N D U M

TO: Mr. John Rutter, City of Yakima

FROM: Holly Corner, SECOR *HC*
Cliff Schmitt, SECOR *CS*

RE: **Confirmation of Extracted Groundwater Discharge to the City Storm System
Aquifer Evaluation for the YRRA Remedial Investigation
SECOR PN: 00378-001-01**

DATE: December 15, 1997

SECOR International Incorporated (SECOR) has prepared this technical memorandum to confirm our December 12, 1997, telephone conversation regarding the disposal of extracted groundwater to the city of Yakima storm system. As discussed, the aquifer test for the YRRA Remedial Investigation is being conducted in accordance with a consent decree issued by the Washington State Department of Ecology (Ecology). The objective of the aquifer test program is to determine whether known impacts to the shallow aquifer units can reasonably be expected to affect a deeper aquifer and to determine aquifer characteristics.

As we discussed, the aquifer testing will begin Wednesday, December 17, 1997. Aquifer testing will be performed at two sites in Yakima: RI-13, located on Central Avenue east of South 18th Street, and RI-4, located near the corner of South 16th Avenue and Prash Avenue. The testing at each site will consist of pumping groundwater continuously from one well at each site for a period of 24 hours. The well at RI-4 likely will be pumped at rates between 5 and 10 gallons per minute (gpm), and the well at RI-13 likely will be pumped at rates between 25 and 50 gpm. Optimum pumping rates will be determined in the field during each aquifer test.

Ecology has approved discharge of water containing concentrations of up to 840 parts per billion (ppb) tetrachloroethene (PCE) directly to the ground surface in the study area. Analytical results for groundwater from wells at RI-4 and RI-13 indicate that PCE concentrations are less than 11 ppb in the aquifer test pumping wells. Copies of analytical results for groundwater from RI-4 and RI-13 are attached for your

Mr. John Rutter
December 15, 1997
Page 2

records. Because PCE concentrations in the pumping wells are significantly below Ecology's 840 ppb discharge limit, SECOR requested permission from the city of Yakima to discharge water generated during the aquifer test directly to a storm drain located on the corner of South 16th Avenue and Prash Avenue, adjacent to the RI-4 site. The water generated from the aquifer test at RI-13 (Central and South 18th) will be discharged to an irrigation ditch as approved by the Old Irrigation Company. SECOR discussed this discharge request with you by telephone on December 12, 1997, and received your verbal approval to discharge the water at that time. SECOR understands that no fee will be assessed for discharge of the aquifer test water to the storm drain system.

As we discussed with the city of Yakima, the pumping wells have been developed to remove fine-grained material from the well filter pack and groundwater; however, groundwater pumped during the initial phase of the aquifer test at each site may contain small amounts of suspended sediment. To minimize the amount of sediment that is discharged to the storm drains, SECOR will pump the first 500 to 600 gallons of water into a temporary holding tank to allow suspended sediment to settle. After settling has occurred, the clear water will be carefully pumped from the top of the holding tank into the storm drain. If necessary, a hay bail silt barrier will be installed at the outlet of the discharge pipe to filter the water before it enters the storm system.

We appreciate the city's assistance in this matter. Please contact Ms. Holly Corner or Mr. Cliff Schmitt at (425) 641-9900 if you have any questions regarding the aquifer testing program.

/je

Attachments

cc: Rick Roeder, Washington State Department of Ecology
Mark Valentine, *de maximis, inc.*



**NORTH
CREEK
ANALYTICAL**
Environmental Laboratory Services

Corner

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
PORTLAND ■ (503) 643-9200 ■ FAX 644-2202

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 12/5/97 Received: 12/8/97 Reported: 12/9/97 12:57
---	---	--


ANALYTICAL REPORT FOR SAMPLES:

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
RI-4s-1297	B712157-01	Water	12/5/97
RI-4d-1297	B712157-02	Water	12/5/97

RECEIVED
DEC 19 1997
BY _____

North Creek Analytical, Inc.

*The results in this report apply to the samples analyzed in accordance with the chain of custody document.
This analytical report must be reproduced in its entirety.*


Matthew Essig, Project Manager

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776



NORTH CREEK ANALYTICAL
Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
PORTLAND ■ (503) 643-9200 ■ FAX 644-2202

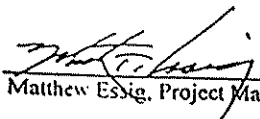
Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 12/5/97 Received: 12/8/97 Reported: 12/9/97 12:57
---	---	--

Halogenated Volatile Organics by EPA Method 8010B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
<u>RI-4s-1297</u>				<u>B712157-01</u>			<u>Water</u>	
Bromodichloromethane	1270210	12/8/97	12/8/97		1.00	ND	ug/l	
Bromoform	"	"	"		1.00	ND	"	
Bromomethane	"	"	"		1.00	ND	"	
Carbon tetrachloride	"	"	"		1.00	ND	"	
Chlorobenzene	"	"	"		1.00	ND	"	
Chloroethane	"	"	"		1.00	ND	"	
Chloroform	"	"	"		1.00	1.46	"	
Chloromethane	"	"	"		1.00	ND	"	
Dibromochloromethane	"	"	"		1.00	ND	"	
1,2-Dichlorobenzene	"	"	"		1.00	ND	"	
1,3-Dichlorobenzene	"	"	"		1.00	ND	"	
1,4-Dichlorobenzene	"	"	"		1.00	ND	"	
1,1-Dichloroethane	"	"	"		1.00	ND	"	
1,2-Dichloroethane	"	"	"		1.00	ND	"	
1,1-Dichloroethene	"	"	"		1.00	ND	"	
cis-1,2-Dichloroethene	"	"	"		1.00	ND	"	
trans-1,2-Dichloroethene	"	"	"		1.00	ND	"	
1,2-Dichloropropane	"	"	"		1.00	ND	"	
cis-1,3-Dichloropropene	"	"	"		1.00	ND	"	
trans-1,3-Dichloropropene	"	"	"		1.00	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		1.00	ND	"	
Tetrachloroethene	"	"	"		1.00	10.4	"	
1,1,1-Trichloroethane	"	"	"		1.00	ND	"	
1,1,2-Trichloroethane	"	"	"		1.00	ND	"	
Trichloroethene	"	"	"		1.00	ND	"	
Trichlorofluoromethane	"	"	"		1.00	ND	"	
Vinyl chloride	"	"	"		1.00	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		92.0	%	
<u>RI-4d-1297</u>				<u>B712157-02</u>			<u>Water</u>	
Bromodichloromethane	1270210	12/8/97	12/8/97		1.00	ND	ug/l	
Bromoform	"	"	"		1.00	ND	"	
Bromomethane	"	"	"		1.00	ND	"	
Carbon tetrachloride	"	"	"		1.00	ND	"	
Chlorobenzene	"	"	"		1.00	ND	"	
Chloroethane	"	"	"		1.00	ND	"	
Chloroform	"	"	"		1.00	ND	"	

North Creek Analytical, Inc.

*Refer to end of report for text of notes and definitions.


Matthew Essig, Project Manager

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



NORTH CREEK ANALYTICAL

Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
 SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
 PORTLAND ■ (503) 643-9200 ■ FAX 644-2202

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 12/5/97 Received: 12/8/97 Reported: 12/9/97 12:57
---	---	--

Halogenated Volatile Organics by EPA Method 8010B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
<u>RI-4d-1297 (continued)</u>				<u>B712157-02</u>			<u>Water</u>	
Chloromethane	1270210	12/8/97	12/8/97		1.00	ND	ug/l	
Dibromochloromethane	"	"	"		1.00	ND	"	
1,2-Dichlorobenzene	"	"	"		1.00	ND	"	
1,3-Dichlorobenzene	"	"	"		1.00	ND	"	
1,4-Dichlorobenzene	"	"	"		1.00	ND	"	
1,1-Dichloroethane	"	"	"		1.00	ND	"	
1,2-Dichloroethane	"	"	"		1.00	ND	"	
1,1-Dichloroethene	"	"	"		1.00	ND	"	
cis-1,2-Dichloroethene	"	"	"		1.00	ND	"	
trans-1,2-Dichloroethene	"	"	"		1.00	ND	"	
1,2-Dichloropropane	"	"	"		1.00	ND	"	
cis-1,3-Dichloropropene	"	"	"		1.00	ND	"	
trans-1,3-Dichloropropene	"	"	"		1.00	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		1.00	ND	"	
Tetrachloroethene	"	"	"		1.00	1.73	"	
1,1,1-Trichloroethane	"	"	"		1.00	ND	"	
1,1,2-Trichloroethane	"	"	"		1.00	ND	"	
Trichloroethene	"	"	"		1.00	ND	"	
Trichlorofluoromethane	"	"	"		1.00	ND	"	
Vinyl chloride	"	"	"		1.00	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		79.8	%	

North Creek Analytical, Inc.

*Refer to end of report for text of notes and definitions.


 Matthew Essig, Project Manager

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



NORTH CREEK ANALYTICAL

Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
 SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
 PORTLAND ■ (503) 643-9200 ■ FAX 644-2202

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 12/5/97 Received: 12/8/97 Reported: 12/9/97 12:57
---	---	--

Halogenated Volatile Organics by EPA Method 8010B (modified)/Quality Control
 North Creek Analytical - Bothell

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Reporting Limit Units	Recov. Recov. Limits	RPD % Limit	RPD % Notes*
Batch: 1270210		Date Prepared: 12/8/97		Extraction Method: EPA 5030 [P/T]				
Blank		1270210-BLK1						
Bromodichloromethane	12/8/97			ND	ug/l	1.00		
Bromoform	"			ND	"	1.00		
Bromomethane	"			ND	"	1.00		
Carbon tetrachloride	"			ND	"	1.00		
Chlorobenzene	"			ND	"	1.00		
Chloroethane	"			ND	"	1.00		
Chloroform	"			ND	"	1.00		
Chloromethane	"			ND	"	1.00		
Dibromochloromethane	"			ND	"	1.00		
1,2-Dichlorobenzene	"			ND	"	1.00		
1,3-Dichlorobenzene	"			ND	"	1.00		
1,4-Dichlorobenzene	"			ND	"	1.00		
1,1-Dichloroethane	"			ND	"	1.00		
1,2-Dichloroethane	"			ND	"	1.00		
1,1-Dichloroethene	"			ND	"	1.00		
cis-1,2-Dichloroethene	"			ND	"	1.00		
trans-1,2-Dichloroethene	"			ND	"	1.00		
1,2-Dichloropropane	"			ND	"	1.00		
cis-1,3-Dichloropropene	"			ND	"	1.00		
trans-1,3-Dichloropropene	"			ND	"	1.00		
Methylene chloride	"			ND	"	5.00		
1,1,2,2-Tetrachloroethane	"			ND	"	1.00		
Tetrachloroethene	"			ND	"	1.00		
1,1,1-Trichloroethane	"			ND	"	1.00		
1,1,2-Trichloroethane	"			ND	"	1.00		
Trichloroethene	"			ND	"	1.00		
Trichlorofluoromethane	"			ND	"	1.00		
Vinyl chloride	"			ND	"	1.00		
Surrogate: 4-BFB (ELCD)	"	4.00		4.96	"	50.0-150	124	
LCS		1270210-BS1						
Chlorobenzene	12/8/97	10.0		9.40	ug/l	70.0-130	94.0	
1,1-Dichloroethene	"	10.0		9.34	"	70.0-130	93.4	
Trichloroethene	"	10.0		10.8	"	70.0-130	108	
Surrogate: 4-BFB (ELCD)	"	4.00		4.53	"	50.0-150	113	

North Creek Analytical, Inc.

*Refer to end of report for text of notes and definitions.


 Matthew Essig, Project Manager

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



NORTH CREEK ANALYTICAL

Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
 SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
 PORTLAND ■ (503) 643-9200 ■ FAX 644-2202

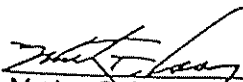
Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 12/5/97 Received: 12/8/97 Reported: 12/9/97 12:57
---	---	--

Halogenated Volatile Organics by EPA Method 8010B (modified) Quality Control
 North Creek Analytical, Bothell

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
<u>Matrix Spike</u>		<u>1270210-MS1</u>	<u>B712149-01</u>							
Chlorobenzene	12/8/97	10.0	ND	9.38	ug/l	70.0-130	93.8			
1,1-Dichloroethene	"	10.0	ND	9.30	"	70.0-130	93.0			
Trichloroethene	"	10.0	ND	10.5	"	70.0-130	105			
Surrogate: 4-BFB (ELCD)	"	4.00		3.59	"	50.0-150	89.7			
<u>Matrix Spike Dup</u>		<u>1270210-MSD1</u>	<u>B712149-01</u>							
Chlorobenzene	12/8/97	10.0	ND	9.65	ug/l	70.0-130	96.5	20.0	2.84	
1,1-Dichloroethene	"	10.0	ND	10.2	"	70.0-130	102	20.0	9.23	
Trichloroethene	"	10.0	ND	11.1	"	70.0-130	111	20.0	5.56	
Surrogate: 4-BFB (ELCD)	"	4.00		3.74	"	50.0-150	93.5			

North Creek Analytical, Inc.

*Refer to end of report for text of notes and definitions.


 Matthew Essig, Project Manager

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



**NORTH
CREEK
ANALYTICAL**
Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
PORTLAND ■ (503) 643-9200 ■ FAX 644-2202

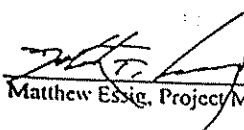
Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 12/5/97 Received: 12/8/97 Reported: 12/9/97 12:57
---	---	--

Notes and Definitions

#	Note
---	------

- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- Recov. Recovery
- RPD Relative Percent Difference

North Creek Analytical, Inc.


Matthew Essig, Project Manager

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132

SECOR Chain-of Custody Record

Chain-of Custody Number: **B712157**

Additional documents are attached, and are a part of this Record. YRRA

Field Office: Bellvue
Address: 15400 SE 30th Pl., Ste 100
Bellvue, WA 98007

Job Name: YRRA
Location: Makima, WA

Project # 00378-01-01 Task # 3
Project Manager: Will Schmidt
Laboratory: Sagehite
Turnaround Time: 24-hour

Analysis Request

Sample ID	Date	Time	Matrix	HClD	TPH/BTEX/MPH-G	8015 (modified)/8020	TPH/MPH-D	8015 (modified)	TPH 418,1/M/TPH 418,1	Aromatic Volatiles	602/8020	Volatile Organics	624/8240 (GC/MS)	Halogenated Volatiles	601/8010?	Semi-volatile Organics	625/8270 (GC/MS)	Pesticides/CBs	608/8080	Total Lead	7421	Priority Pollutant	TCLP Metals	Comments/Instructions	Number of Containers
RI-45-1297	1325	1325	water																						
RI-49-1297	1340	1340	water																						

Sampler's Name: Holly Corner
Sampler's Signature: Holly Corner

Special Instructions/Comments:
Please fax results to Will Schmidt at (425) 641-9000
for RI-45-1297 only

Results needed by 3pm in Tues. 12/9/97

Relinquished by: HC
Sign Holly Corner
Print Holly Corner
Company SAGEHITE
Time 15:07 Date 12/8/97

Relinquished by: YRRA
Sign Jama
Print J. HEURE
Company NCA B
Time 15:07 Date 12/8/97

Sample Receipt
Total no. of containers: _____
Chain of custody seals: _____
Recd. in good condition/cold: _____
Conforms to record: _____

Client: YRRA
Client Contact: _____
Client Phone: _____

Correct

HECOR
 Attn: CLIFF SCHMIDT

Project 00378-001-01 TASK 03
 Reported on December 11, 1997

Halogenated Volatile Organics by EPA SW-846 Methods 5030/8010

LAB ID	Sample ID	Matrix	Dil. Factor	Moisture
23637-06	RI-13s-1297	Water	1.0	-

RESULTS OF ANALYSIS

Compound 23637-06
 Conc. RL
 ug/L

Chloromethane	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	0.5
Chloroethane	ND	0.5
Trichlorofluoromethane	ND	0.5
1,1-Dichloroethene	ND	0.5
Dichloromethane	ND	2.5
t-1,2-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.5
c-1,2-Dichloroethene	ND	0.5
Chloroform	0.7	0.5
1,1,1-Trichloroethane	ND	0.5
Carbon tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Trichloroethene	ND	0.5
c-1,3-Dichloropropene	ND	0.5
1,2-Dichloropropane	ND	0.5
t-1,3-Dichloropropene	ND	0.5
Bromodichloromethane	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	ND	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5

> Surrogate Recoveries (%) <<
 Bromochloromethane 88
 t-Bromofluorobenzene 79

Reproduction of this report is permitted only in its entirety.

Halogenated Volatile Organics by EPA SW-846 Methods 5030/8010

Quality Assurance and Control Data

Laboratory Number: 23637

Method Blank(s)

DL101.08-01

Conc. RL

ug/L

Chloromethane	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	0.5
Chloroethane	ND	0.5
Trichlorofluoromethane	ND	0.5
1,1-Dichloroethene	ND	0.5
Dichloromethane	ND	2.5
1,2-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.5
1,2-Dichloroethene	ND	0.5
Chloroform	ND	0.5
1,1,1-Trichloroethane	ND	0.5
Carbon tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Trichloroethene	ND	0.5
1,3-Dichloropropene	ND	0.5
1,2-Dichloropropane	ND	0.5
1,3-Dichloropropene	ND	0.5
Bromodichloromethane	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	ND	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5

Surrogate Recoveries (%) <<

Bromochloromethane	96
1-Bromofluorobenzene	83

Halogenated Volatile Organics by EPA SW-846 Methods 5030/8010

Quality Assurance and Control Data

Laboratory Number: 23637

Compound	Sample conc.	SPK Level	SPK Result	Recovery %	Limits %	RPD %
For Water Matrix (ug/L)						
DL101.08 02 / 03 - Laboratory Control Spikes						
1,1-Dichloroethene		20	21/22	105/110	70-130	5
Trichloroethene		20	19/19	95/95	60-130	0
Chlorobenzene		20	20/21	100/105	75-130	5

> Surrogate Recoveries (%) <<

Bromochloromethane				103/103	70-120	
4-Bromofluorobenzene				92/95	60-125	

For Water Matrix (ug/L)
DL101.08 04 / 05 - Sample Spiked: 23619 - 06

1,1-Dichloroethene	ND	20	22/21	110/105	70-130	5
Trichloroethene	ND	20	16/18	80/90	60-130	12
Chlorobenzene	ND	20	19/19	95/95	75-130	0

> Surrogate Recoveries (%) <<

Bromochloromethane				90/105	70-120	
4-Bromofluorobenzene				86/91	60-125	

Definitions:

- ND = Not Detected
- RL = Reporting Limit
- NA = Not Analysed
- RPD = Relative Percent Difference
- ug/L = parts per billion (ppb)
- mg/L = parts per million (ppm)

ug/kg = parts per billion (ppb)
mg/kg = parts per million (ppm)

production of this report is permitted only in its entirety.

MICHAEL D. FINNEY
F. JOE FALK, JR.

LAW OFFICES
OF

ROBERT E. LAWRENCE-BERREY, JR.
ASSOCIATE

RONALD F. WHITAKER
RETIRED

WALTERS, WHITAKER, FINNEY & FALK

CHALMER G. WALTERS
1900 - 1992

STREET ADDRESS
117 NORTH THIRD STREET, SUITE 201
YAKIMA, WA 98901

TELEPHONE 509-453-5604
FACSIMILE 509-457-7764

MAILING ADDRESS
POST OFFICE BOX 1586
YAKIMA, WASHINGTON 98907

DATE: October 14, 1997

FACSIMILE TRANSMITTAL SHEET

SENT TO: PETER JEWETT

FAX NO.: (425) 641-9092

FROM: JOE FALK

NO. OF PAGES (INCLUDING THIS PAGE): 4

COMMENTS: Peter, here is a redrafted Memorandum of Understanding. I have incorporated most, but not all, of the changes requested by your contract department. More particularly, I did not incorporate the \$1,000 indemnification cap as that is unacceptable.

If the revised memorandum meets with your approval, please let me know and I will prepare it in final form for signature.

M Falk

*In the mail today -
OK to not counsel if
needed to.*

*** TX REPORT ***

TRANSMISSION OK

TX/RX NO 4915
CONNECTION TEL 15094577764
SUBADDRESS
CONNECTION ID
ST. TIME 10/14 15:42
USAGE T 02'28
PGS. 4
RESULT OK

SECOR International Incorporated
Bellevue Office
15400 SE 30th Place, Suite 100
Bellevue, Washington 98007

Phone
(425) 641-9900

FAX
(425) 641-9092

Hard Copy To Follow

To: JOE FALK From: CLIFF SCHMITT

Company: WALTERS WHITAKER Date: _____

Time: _____

FAX No: (509) 457-7764 Job No: _____

Phone No: _____ Pages (Including Cover): 4

Comments: Please revise as shown and fax/mail to
CLIFF SCHMITT @ 425 641 9092. PETER JEWETT @
SECOR will sign for SECOR. THANKS.

*SECOR Comments on
Old Union MOU*

MEMORANDUM OF UNDERSTANDING

THIS MEMORANDUM OF UNDERSTANDING is made and entered into by
OLD UNION IRRIGATION COMPANY, a Washington non-profit
corporation, hereinafter "Old Union", and SECOR International ^{Incorporated}, a
Washington Corporation, hereinafter "~~Secor~~" ^{SECOR}.

In consideration of the payment of \$1,000 by ~~Secor~~ ^{SECOR} to Old
Union, the receipt of which is hereby acknowledged, the parties
agree as follows:

1. Old Union grants to ~~Secor~~ ^{SECOR} permission to discharge water
from the test wells and sampling wells into Old Union's
irrigation canal in the approximate location of Central Avenue
and South 18th Street in the City of Yakima, which wells ~~Secor~~ ^{SECOR}
will be drilling during the fall of 1997 under a contract with
the ~~Washington State Department of Ecology (DOE)~~ ^{Camoran-Yakima Working Group}. Such
permission is granted for 1997 and 1998.

2. The foregoing grant of ^{Calendar Years} permission is subject to the
following conditions:

(a) The water to be discharged into the ditch shall
meet all applicable ^{Washington State Department of Ecology} (DOE) clean water standards and requirements
for water which is to be discharged into the Yakima River.

(b) The quantity of water discharged into the ditch
shall not exceed the carrying capacity of the ditch, including
any irrigation water which is already in the ditch during the
irrigation season.

(c) ~~Secor~~ ^{SECOR} shall take appropriate precautions to prevent
damage to the ditch at or near the point of discharge and shall

repair any damage which may be caused by its discharge operations.

business

3. Old Union may revoke the foregoing grant of permission upon ten (10) days written notice in the event it determines that

~~SECOR~~ Secor is failing to comply with the requirements of this Memorandum of Understanding; provided, however, that within said ten (10) day period ^{SECOR} Secor shall be entitled to present proof that it is in compliance herewith.

to the extent such loss, claim, damages, or liability is directly caused by the negligence or willful misconduct

4. ^{SECOR} Secor agrees to indemnify and hold Old Union harmless from and against any loss, claim, damages, or liability which may be asserted against it by any other person or entity as a result of Secor's discharge operations, including its attorney's fees in resisting and defending the same

of SECOR in SECOR'S program

under this Memorandum of Understanding

- 5. This Memorandum of Understanding:
 - (a) Represents the entire agreement of the parties;
 - (b) Shall be binding upon the parties hereto, including their successors; and

INSERT

(c) May be modified only in writing by an instrument of equal formality which is signed by the parties.

(d) Shall be interpreted, construed and enforced in accordance with the laws of the State of Washington.

DATE

OLD UNION IRRIGATION COMPANY

By: JACK ROUGHT, Its President

SECOR _____

By: _____
Its _____

WALTERS, WHITAKER, FINNEY & FALK
ATTORNEYS AT LAW
117 NORTH THIRD STREET, SUITE 201
POST OFFICE BOX 1886
YAKIMA, WASHINGTON 98907
TELEPHONE (509) 453-3600

INSERT

; provided that Old Union expressly agrees that to the fullest extent permitted by law, SECOR's maximum liability to Old Union for claims arising from SECOR's professional acts, errors, or omissions, including negligence or breach of contract, shall be limited to \$1,000.00.

0'un-plor'sc

*Revised MOU 10/14***MEMORANDUM OF UNDERSTANDING**

THIS MEMORANDUM OF UNDERSTANDING is made and entered into by OLD UNION IRRIGATION COMPANY, a Washington non-profit corporation, hereinafter "Old Union", and SECOR INTERNATIONAL, INCORPORATED, a Washington Corporation, hereinafter "SECOR".

In consideration of the payment of \$1,000 by SECOR to Old Union, the receipt of which is hereby acknowledged, the parties agree as follows:

1. Old Union grants to SECOR permission to discharge water from test wells and sampling wells into Old Union's irrigation canal in the approximate location of Central Avenue and South 18th Street in the City of Yakima, which wells SECOR will be drilling during the fall of 1997 under a contract with the Cameron - Yakima Working Group. Such permission is granted for calendar years 1997 and 1998.

2. The foregoing grant of permission is subject to the following conditions:

(a) The water to be discharged into the ditch shall meet all applicable Washington State Department of Ecology ("DOE") clean water standards and requirements for water which is to be discharged into the Yakima River.

(b) The quantity of water discharged into the ditch shall not exceed the carrying capacity of the ditch, including any irrigation water which is already in the ditch during the

irrigation season.

(c) SECOR shall take appropriate precautions to prevent damage to the ditch at or near the point of discharge and shall repair any damage which may be caused by its discharge operations.

3. Old Union may revoke the foregoing grant of permission upon ten (10) business days written notice in the event it determines that SECOR is failing to comply with the requirements of this Memorandum of Understanding; provided, however, that within said ten (10) day period SECOR shall be entitled to present proof that it is in compliance herewith.

4. SECOR agrees to indemnify and hold Old Union harmless from and against any loss, claim, damages, or liability which may be asserted against it by any other person or entity to the extent such loss, claim, damages, or liability is directly caused by the negligence or willful misconduct of SECOR in SECOR's performance as a result of SECOR's discharge operations under this Memorandum of Understanding, including Old Union's attorney's fees in resisting and defending the same.

5. This Memorandum of Understanding:

(a) Represents the entire agreement of the parties;

(b) Shall be binding upon the parties hereto, including their successors;

(c) May be modified only in writing by an instrument of equal formality which is signed by the parties; and

(d) Shall be interpreted, construed and enforced in accordance with the laws of the State of Washington.

DATE

OLD UNION IRRIGATION COMPANY

By: _____
JACK ROUGHT, Its President

SECOR _____

By: _____
Its _____

MICHAEL D. FINNEY
F. JOE FALK, JR

LAW OFFICES
OF

ROBERT E. LAWRENCE-BERREY, JR
ASSOCIATE

RONALD F. WHITAKER
RETIRED

WALTERS, WHITAKER, FINNEY & FALK

CHALMER G. WALTERS
1900 - 1992

STREET ADDRESS
117 NORTH THIRD STREET, SUITE 201
YAKIMA, WA 98901

TELEPHONE 509-453-5604
FACSIMILE 509-457-7764

MAILING ADDRESS
POST OFFICE BOX 1586
YAKIMA, WASHINGTON 98907

DATE: October 2, 1997

FACSIMILE TRANSMITTAL SHEET

SENT TO: PETER JEWETT

FAX NO.: (425) 641-9092

FROM: JOE FALK

NO. OF PAGES (INCLUDING THIS PAGE): 3

COMMENTS: Peter, here is a draft Memorandum of Understanding for your review and comment. I need the full name of your corporation to complete the agreement.

As you can see, I have attempted to keep this fairly simple. I have endeavored to cover all of the key points. Please let me know if there are any changes or corrections that you feel should be made.

After I have heard back from you, I will prepare the agreement in final form for signature. As you can see, the agreement contemplates that your company will pay Old Union at the time the agreement is signed.



MEMORANDUM OF UNDERSTANDING

THIS MEMORANDUM OF UNDERSTANDING is made and entered into by OLD UNION IRRIGATION COMPANY, a Washington non-profit corporation, hereinafter "Old Union", and SECOR _____, a Washington Corporation, hereinafter "Secor".

In consideration of the payment of \$1,000 by Secor to Old Union, the receipt of which is hereby acknowledged, the parties agree as follows:

1. Old Union grants to Secor permission to discharge water from the test wells and sampling wells into Old Union's irrigation canal in the approximate location of Central Avenue and South 18th Street in the City of Yakima, which wells Secor will be drilling during the fall of 1997 under a contract with the Washington State Department of Ecology ("DOE"). Such permission is granted for 1997 and 1998.

2. The foregoing grant of permission is subject to the following conditions:

(a) The water to be discharged into the ditch shall meet all applicable DOE clean water standards and requirements for water which is to be discharged into the Yakima River.

(b) The quantity of water discharged into the ditch shall not exceed the carrying capacity of the ditch, including any irrigation water which is already in the ditch during the irrigation season.

(c) Secor shall take appropriate precautions to prevent damage to the ditch at or near the point of discharge and shall

repair any damage which may be caused by its discharge operations.

3. Old Union may revoke the foregoing grant of permission upon ten (10) days written notice in the event it determines that Secor is failing to comply with the requirements of this Memorandum of Understanding; provided, however, that within said ten (10) day period Secor shall be entitled to present proof that it is in compliance herewith.

4. Secor agrees to indemnify and hold Old Union harmless from and against any loss, claim, damages, or liability which may be asserted against it by any other person or entity as a result of Secor's discharge operations, including its attorney's fees in resisting and defending the same.

5. This Memorandum of Understanding:

(a) Represents the entire agreement of the parties;

(b) Shall be binding upon the parties hereto, including their successors; and

(c) May be modified only in writing by an instrument of equal formality which is signed by the parties.

DATE

OLD UNION IRRIGATION COMPANY

By: JACK ROUGHT, Its President

SECOR _____

By: Its _____

WALTERS, WHITAKER, FINNEY & FALK
ATTORNEYS AT LAW
117 NORTH THIRD STREET, SUITE 201
POST OFFICE BOX 1586
YAKIMA, WASHINGTON 98907
TELEPHONE (509)453-5604

*** TX REPORT ***

TRANSMISSION OK

TX/RX NO 4594
CONNECTION TEL 6822187
SUBADDRESS
CONNECTION ID
ST. TIME 10/06 08:37
USAGE T 01'38
PGS. 4
RESULT OK

SECOR International Incorporated
Bellevue Office
15400 SE 30th Place, Suite 100
Bellevue, Washington 98007

Phone
(425) 641-9900

FAX
(425) 641-9092

Hard Copy To Follow

To: Maria valentine From: Peter Jensen

Company: de maximus Date: 10/6

FAX No: _____ Time: _____

Phone No: _____ Job No: _____

Comments: copy of Agreement from insurance
company