CENTRAL OFFICE — 575-4040 — 104 North First Street — Yakima, Wash. 98901
SUNNYSIDE OFFICE — 837-3411 — 1319 Saul Road — P.O. Box 821 — Sunnyside, Wash. 98944

YAKIMA HEALTH DISTRICT EST. 1911
PREVENTION IS OUR BUSINESS

July 25, 1997

City of Yakima
Atten. Dick Zais
129 North 2nd Street
Yakima, WA 98901

RE: Yakima Old City Landfill (Sarge Hubbard Park) Site Hazard Assessment.

Mr. Zais,

The Yakima Health District has completed the site hazard assessment (SHA) of the Interstate 82, Exit 33A, as required under the Model Toxics Control Act. This site's hazard ranking, an estimation of the potential threat to human health and/or the environment relative to all other Washington State sites assessed at this time, has been determined to be a "5", where 1 represents the highest relative risk and 5 the lowest.

For your information, Ecology will be publishing the ranking of this and other recently assessed sites in the August 1997 Special Issue of the Site Register. The site hazard ranking will be used in conjunction with other site-specific considerations in determining Ecology's priority for future actions.

Please contact me at (509) 575-4040 if you have any questions relating to the SHA of your site. If you have any inquiries/comments about the site scoring/ranking process, please call Michael Spencer at (360) 407-7195. For inquiries regarding any further activities at your site now that it is on Ecology's Hazardous Sites List, please call Tony Valero at (509)454-7833.

Sincerely,

Ted Silvestri

Ted Silvestri, R.S.
Environmental Health Specialist

cc: Michael Spencer, Washington Department of Ecology
Tony Valero, Washington Department of Ecology, Central Regional Office

SUPPORTING GOVERNMENTAL UNITS

Yakima County	Harrah	Selah	Union Gap
Yakima City	Mabton	Sunnyside	Wapato
Grandview	Moxee	Tieton	Zillah

WORKSHEET 1
SUMMARY SCORE SHEET

Note: This document currently has no provision for sediment route scoring.

Site Name/Location (City, County, Section/Township/Range):

Yakima Old City Landfill
South 18th Street & Riverside
Yakima, WA 98901

Parcel number: R=19 T=13 S=20 -13001 Date Scored: 7/25/97

Site Description (Include management areas, compounds of concern, and quantities):

The Yakima Old City Landfill site was a dump and burn landfill which closed sometime in the late 1960's. It is approximately 28 acres in size, with a maximum fill depth of 40 feet. The site is currently a developed park. To the south is a gravel mining operation, to the east is the Yakima River, to the north is commercial development, and to the west is undeveloped property. To the south-west is housing.

In 1986 a site inspection report was published by the Department of Ecology. This report states that in 1982 the Yakima River was sampled upstream and downstream of the site with an additional water sample from the pond immediately south of the site. These samples were analyzed for EPA priority pollutants, including pesticides. No contamination was found in any of the samples.

This site was added to the SIS list on March 1, 1988. On May 8, 1997, Yakima Health District (YHD) personal sampled the down gradient ground water and had it analyzed for aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chloride, chromium, cobalt, copper, fluoride, iron, lead, magnesium, manganese, mercury, nickel, nitrate (as N), potassium, selenium, silver, sodium, sulfate, TPH, thallium, total dissolved solids, total organic carbon, vanadium, zinc and 36 volatile organics. Specific conductance, pH, and temperature were also tested for. Only lead was found above the MTCA method A cleanup levels. Comparison of the test data to USGS Water Resources Investigation Report 92-4017 did not indicate that elevated lead levels are common in this aquifer.

Only the ground water was scored for lead because that is the only route available.

Special Considerations (Include limitations in site file data or data which cannot be accommodated in the model, but which are important in evaluating the risk associated with the site, or any other factor(s) over-riding a decision of no further action for the site):

ROUTE SCORES:

Surface Water/Human Health: N/A ; Surface Water/Environ.: N/A ;

Air/Human Health: N/A ; Air/Environmental: N/A ;

Ground Water/Human Health: 30.1 .

OVERALL RANK: 5 .

WORKSHEET 2
ROUTE DOCUMENTATION

1. SURFACE WATER ROUTE

Not Applicable/Not Scored

2. AIR ROUTE

Not Applicable/Not Scored

3. GROUND WATER ROUTE

List substances to be considered for scoring:

Lead

Source: 1

Explain basis for choice of substance(s) to be used in scoring.

This was the only contaminant found in the ground water above MTCA method A cleanup levels.

List management units to be considered in scoring:

Landfill

Source: 2

Explain basis for choice of unit used in scoring.

This is an old City of Yakima Landfill that was closed in the mid 1960's.

WORKSHEET 4
SURFACE WATER ROUTE

Not Applicable/Not Scored

WORKSHEET 5
AIR ROUTE

Not Applicable/Not Scored

WORKSHEET 6
GROUND WATER ROUTE

1.0 SUBSTANCE CHARACTERISTICS

1.1 Human Toxicity

Substance	Drinking Water Standard (ug/l) Val.	Acute Toxicity (mg/kg-bw) Val.	Chronic Toxicity (mg/kg/day) Val.	Carcino-genicity WOE PF* Val.
1. lead	*(5) 8*	- -	- -	- -

*Potency Factor

Source: 1,2
Highest Value: 8
+2 Bonus Points? 0
Final Toxicity Value: 8

1.2 Mobility (Use numbers to refer to above listed substances)
.1 to 1 coefficient of aqueous migration — Source 2 — **Value: 2**

1.3 Substance Quantity — Source: 2,1 — **Value: 1**
Explain basis: Since the total volume of lead disposed of in this facility is impossible to determine because this facility was closed over 30 years ago, no records are available. This is the default value specified in the Washington Ranking Method Scoring Manual.

2.0 MIGRATION POTENTIAL

2.1 Containment — Source: 2,3 — **Value: 7**
Explain basis: Landfill with no liner, compacted soil with poor or unknown maintenance, no leachate collection system, possible free liquid disposal in landfill.

2.2 Net Precipitation: 7.2 inches — Source: 4 — **Value: 1**

2.3 Subsurface Hydraulic Conductivity: $>10^{-3}$ — Source: 2,1 — **Value: 4**

2.4 Vertical Depth to Ground Water: 6 feet — Source: 1,2 — **Value: 8**

3.0 TARGETS

3.1 Ground Water Usage: Public supply, but alternate sources available with minimum hookup requirements — Source: 1,2 — **Value: 4**

3.2 Distance to Nearest Drinking Water Well: 600 - 1300 feet — Source: 1 — **Value: 4**

3.3 Population Served within 2 Miles: $(150)^{-2} = 12.25$ — Source: 1,5 — **Value: 12**

3.4 Area Irrigated by (Groundwater) Wells within 2 miles: $.75(3451.5)^{-2} = 44$ — Source: 6 — **Value: 44**

4.0 RELEASE

Explain basis for scoring a release to ground water: Source: 1,3 **Value:** 5

The bottom of the landfill is in the ground water.

SOURCES USED IN SCORING

1. *Yakima Health District sampling visit on May 8, 1997.*
2. *Washington Ranking Method Scoring Manual, April 1992.*
3. *Site Inspection Report, Yakima Old City Landfill, Department of Ecology, 1986*
4. *Washington Climate for Grant, Kittitas, Klickitat, and Yakima Counties, May 1979*
5. *Yakima County Council of Governments Census Maps Date.*
6. *WDOE Water Rights Information System.*
7. *USGS Water Resources Investigation Report 92-4017*

TABLE 27 - ESTIMATED EVAPOTRANSPIRATION (Inches of Water)

STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN.
GRANT COUNTY						Ephrata							
Precip.	1.0	.7	.6	.6	.7	1.0	.2	.3	.4	.7	1.0	1.2	8.4
PET		.1	.8	2.0	3.7	5.0	6.5	5.7	3.6	1.7	.3		29.4
Ea(6)		.1	.8	1.7	2.0	1.6	.4	.4	.4	.7	.3		8.3
						Hartline							
Precip.	1.1	.9	.7	.8	1.1	1.3	.4	.3	.5	1.0	1.3	1.6	11.0
PET			.7	1.8	3.4	4.4	5.9	5.0	3.3	1.6	.2		26.3
Ea(6)			.7	1.6	2.4	2.4	1.4	.7	.6	1.0	.2		11.0
						Ruff 3SW							
Precip.	1.2	.9	.8	.5	.9	1.1	.4	.2	.4	1.0	1.1	1.6	10.1
PET			.8	2.0	3.3	4.4	5 7	5.0	3.3	1.6	.3		26.4
Ea(6)			.8	1.9	2.2	2.1	1.0	.4	.4	1.0	.3		10.1
KITTITAS COUNTY						Ellensburg Airport							
Precip.	1.2	.8	.6	.4	.5	.7	.1	.2	.5	.7	1.3	1.5	8.5
PET			.8	1.8	3.1	4.2	5.4	4.8	3.0	1.6	.3		25.0
Ea(6)			.8	1.3	1.7	1.7	.9	.5	.6	.7	.3		8.5
						Lake CleElum							
Precip.	6.0	4.4	3.7	1.5	1.4	1.1	.4	.4	1.2	3.4	5.7	7.0	36.2
PET			.5	1.5	2.7	3.7	4.8	4.4	3.0	1.6	.3		22.5
Ea(6)			.5	1.5	2.7	2.7	2.0	1.1	1.4	1.6	.3		13.8
						Lake Kachess							
Precip.	8.7	6.9	5.8	2.7	2.2	1.9	.7	.7	1.9	5.1	7.9	10.4	54.9
PET			.4	1.4	2.6	3.6	4.7	4.3	2.9	1.6	.3		21.8
Ea(6)			.4	1.4	2.6	3.3	2.8	1.7	2.1	1.6	.3		16.2
KLICKITAT COUNTY						Bickleton							
Precip.	1.4	1.6	1.0	.7	.7	1.0	.2	.2	.3	1.1	1.6	2.2	12.0
PET		.3	.6	1.6	2.9	3.9	5.1	4.6	3.2	1.7	.4		24.3
Ea(6)		.3	.6	1.6	2.3	2.4	1.4	.7	.5	1.1	.4		11.3
						Goldendale							
Precip.	2.9	2.0	1.6	.8	.8	1.0	.2	.2	.6	1.7	2.6	3.2	17.6
PET		.2	.9	1.8	3.0	3.9	4.9	4.4	3.0	1.7	.5		24.3
Ea(6)		.2	.9	1.8	2.4	2.3	1.4	.7	.7	1.7	.5		12.6
						Mt. Adams R.S.							
Precip.	8.8	6.5	5.0	2.3	1.6	1.4	.2	.4	1.3	4.3	7.6	10.0	49.4
PET		.3	.7	1.7	2.9	3.2	4.8	4.2	2.9	1.6	.7		23.0
Ea(6)		.3	.7	1.7	2.9	2.6	2.1	1.2	1.5	1.6	.7		15.3
YAKIMA COUNTY						Bumping Lake							
Precip.	7.7	6.2	4.6	2.2	1.8	1.6	.5	.6	1.4	4.2	7.0	9.6	47.4
PET				1.0	2.3	3.1	4.1	3.8	2.7	1.4	.3		18.7
Ea(6)				1.0	2.3	2.9	.	1.6	1.7	1.4	.3		13.6
						Rimrock Tieton Dam							
Precip.	4.3	2.9	2.4	1.1	1.0	1.1	.3	.5	.7	2.3	4.2	5.5	26.3
PET			.4	1.3	2.6	3.5	4.6	4.0	2.8	1.6	.3		21.1
Ea(6)			.4	1.3	2.4	2.6	1.8	1.1	.9	1.6	.3		12.4
						Wapato							
Precip.	1.0	.7	.5	.4	.5	.8	.2	.2	.3	.6	.9		7.2
PET		.2	1.0	2.1	3.7	4.8	6.1	5.3	3.4	1.7	.4	.1	28.8
Ea(6)		.2	1.0	1.5	1.4	1.2	.3	.2	.3	.6	.4	.1	7.2
						Yakima							
Precip.	.9	.8	.5	.4	.5	.6	.2	.2	.4	.6	1.0	1.1	7.2
PET		.1	1.0	2.0	3.6	4.6	5.7	4.9	3.0	1.6	.4		26.9
Ea(6)		.1	1.0	1.5	1.5	1.1	.4	.2	.4	.6	.4		7.2

* Precip.- Average precipitation. PET - Potential Evapotranspiration
Ea(6) - Actual evapotranspiration for soil water capacity of 6 inches.

CONTROL # / $CF R / PTS P	SEC / LOC. OF POD/POW	OLD APPL / (CHG C#)	OLD PERM	OLD CERT	DATE OF PRIORITY	S C A T C M	CNTY / PURPOSE OF USE	PERMIT DATE / USE TYPE	NAME / INST QI	C R S M U U	ANNUAL QA	C R S M U U	IRR AC	C S PRO- M U VISOS	TIME OF USE	SOURCE OF APPROPRIATION / TRIBUTARY OF R R R I A C
WATER RESOURCE INVENTORY AREA- 37																
TOWNSHIP - 13 RANGE - 17 E																
							WILDLIFE PROPAGATION	C	.03	C 2						
TOWNSHIP - 13 RANGE - 18 E																
G4-24983C	03				03/14/977		YAKI	03/06/978	WASHINGTON FRUIT&P		WELL					
1	NE4 SE4				DOMESTIC MULTIPLE		C	500.0 G 3			8.0				RW	
					FROST PROTECTION		C	500.0 G 3			9.0				RW	
					IRRIGATION		C	500.0 G 3			399.0	S	105.0		RW	03011115
G4-30661A	06				02/14/991		YAKI	/ /	BOND SHERRY ET AL		WELL					
1	NW4SW4				DOMESTIC MULTIPLE		C	20.0 G								
G3+20044C	12				03/07/972		YAKI	03/19/975	WADE JOHN E		WELLS					
2	S2 SW4 SE4				DOMESTIC MULTIPLE		C	60.0 G			19.0				HR$	
G4-[illegible]966C	12	00966	00876	01692	07/26/948		YAKI	12/03/948	M / R CANNING CO I		WELL					
1	NE4SE4				COMMERCIAL/INDUSTRIAL		C	30.0 G			10.0				PS	
G4*03168C	12	03168	03018	01824	04/15/953		YAKI	08/28/953	M / R CANNING CO I		WELL					
1	NE4SE4				COMMERCIAL/INDUSTRIAL		C	100.0 G			38.0	S			A	
															A	
G4-01143C	12	11926	10600		05/17/971		YAKI	12/08/971	WA ST HIGHWAY COMM		WELL					
1	NE4SE4				IRRIGATION		C	120.0 G			23.6		4.5		R$	04011031
G4-01250C	12	10795	10139		04/20/970		YAKI	02/18/971	CARRELL JOHN P		WELL					
1	NE4NE4				DOMESTIC MULTIPLE		C	150.0 G			12.0				RH	
G4-26542A	12				02/01/930	R	YAKI	/ /	WA ST D O T		WELL					
1	SW4SW4				IRRIGATION		C	50.0 G					10.0		IS	
S4-28957A	12				06/03/986	R	YAKI	06/03/986	ROVETTO ANGELO		UNN POND				YAK R	
1	NE4NW4				IRRIGATION		C	.025 C			1.0		.5		04011031	
G3+00760C	13	11668			03/04/971		YAKI	08/27/973	SNOKIST GROWERS		WELL					
1	L13 BE PL MILLVIEW ADDN				COMMERCIAL/INDUSTRIAL		C	200.0 G			267.0				RP	08010531
G4*00114D	13	00114			00/00/922	R	YAKI	/ /	CITY ICE DELIVERY		WELL					
1	SE4SE4				COMMERCIAL/INDUSTRIAL		C	250.0 G			407.0					
G4*00116D	13	00116			00/00/925	R	YAKI	/ /	RAINIER FRUIT CORP		WELL					
1	SE4SE4				COMMERCIAL/INDUSTRIAL		C	225.0 G			365.0					
G4*00142S	13	00142		00097	00/00/922		YAKI	/ /	CITY ICE DELIVERY		WELL					
1	SE4SE4				HEAT EXCHANGE		C	250.0 G			407.0					
G4-00144S	13	00144		00099	00/00/925		YAKI	/ /	RAINIER FRUIT CORP		WELL					
	SE4SE4				COMMERCIAL/INDUSTRIAL		C	225.0 G			304.0					
G4*00363S	13	00363		00313	00/00/940		YAKI	/ /	HETTINGER H H		WELL					
1	NW4NW4SW4				IRRIGATION		C	50.0 G			10.0		2.5		IS	
G4*05700P	13	05700	05396		08/11/960	C	YAKI	12/06/960	CRYSTAL LINEN SUP		WELL					
1	LEAMING ADD TO N YAK L-6				COMMERCIAL/INDUSTRIAL		C	500.0 G			23.9					
G4-25698C	13				01/12/978		YAKI	05/22/978	HOLIDAY MOTOR MOTE		WELL					
1	NE4NE4				DOMESTIC MULTIPLE		C	150.0 G 3			244.0	2			R	
					COMMERCIAL/INDUSTRIAL		C	150.0 G 3			244.0	2			R	
					IRRIGATION		C	150.0 G 3			4.28		1.0		R	04011031
G4-29495A	13				11/13/987	R	YAKI	/ /	ANDREWS & BARTON		WELL					
10	NW4NW4				HEAT EXCHANGE		C	7980.0 G								00000000
G3+00553C	14	11675			03/11/971		YAKI	06/06/973	STADELMAN FRUIT IN		WELL					
1	LOT 20 PL FRUITVALE				COMMERCIAL/INDUSTRIAL		C	100.0 G			31.6				R	
G3+21078C	14				05/03/973		YAKI	02/10/981	JACK FROST FRUIT C		WELL					
1	SW4NW4				COMMERCIAL/INDUSTRIAL		C	20.0 G							R	
G4*00914C	14	00914	00794	00190	06/08/948		YAKI	08/26/948	YAKIMA CITY OF WTR		WELL					
1	N2NW4SE4NE4				DOMESTIC MUNICIPAL		C	900.0 G			1448.0					
G4*08441C	14	08441	07846	06661	12/21/966		YAKI	04/24/967	JOHN I HAAS INC		WELL					
1	L4 LEWIS-TERRY GDN TR				HEAT EXCHANGE		C	400.0 G			600.0				RNP	
G4*11100C	14	11100	10113	07262	07/29/970		YAKI	02/08/971	SHIELDS E L		WELL					

CONTROL # / #OF PTS	SEC / P	OLD APPL / LOC. OF POD/POW	OLD PERM / (CHG C#)	OLD CERT / PURPOSE OF USE	DATE OF PRIORITY	S T	C C	A M	CNTY / USE TYPE	PERMIT DATE / INST QI	C M	R U	S U	NAME / ANNUAL QA	C M	R U	S U	SOURCE OF APPROPRIATION / IRR AC	C M	S U	PRO-VISOS	TRIBUTARY OF / TIME OF USE	R I	R A	R C
WATER RESOURCE INVENTORY AREA- 37																									
TOWNSHIP - 13 RANGE - 18 E																									
1	SE4 NE4 SW4			DOMESTIC MULTIPLE					C	100.0 G				12.6			U				RN				
G4X09359C	19	09359	08652	07097	04/04/960				YAKI	09/18/968				DILLINGER J				WELL							
1	NE4SE4			DOMESTIC SINGLE					C	25.0 G				2.0							RN				
G4-27375P	19				03/17/981	C			YAKI	09/22/982				STURM WM W				WELL							
1	SW4SW4			DOMESTIC SINGLE					C	100.0 G	2			1.0							RK				
				IRRIGATION					C	100.0 G	2			4.8			S	8.0			RK	04011031			
G4-30485A	19				12/05/990	R			YAKI	/ /				HANNON J K				WELL							
1	SW4SW4			DOMESTIC MULTIPLE					C	10.0 G															
G4X05435C	20	05435	05108	05300	11/12/959				YAKI	01/26/960				NOB HILL WTR CO				WELL							
1	L6 BL2 VIEWMONT PK SUBDV			DOMESTIC MULTIPLE					C	1400.0 G				1120.0							A				
G4-24682C	20				02/16/977				YAKI	10/11/977				BERGEN HAROLD G				WELL							
1	SE4NW4			IRRIGATION					C	100.0 G				38.0					10.0		R	04011031			
G4-25006P	20				03/17/977	C			YAKI	06/26/978				BURNHAM LARRY D				WELL							
1	NE4 SW4			DOMESTIC SINGLE					C	25.0 G	2			2.0							RN				
				IRRIGATION					C	25.0 G	2			11.0			S	2.5			RN	04011001			
G4-29230G	20				03/20/987				YAKI	07/24/987				HILER LLOYD M				WELL							
1	NE4SW4			IRRIGATION					C	20.0 G				8.0					2.0		RK	04011031			
S4-28546P	20				09/28/984				YAKI	02/25/985				WESTSIDE BAPTIST C				WELL							
1	SW4NE4			HEAT EXCHANGE					N	.45 C											RK				
G4X00580C	21	00580	00611	02819	07/07/947				YAKI	01/30/948				NOB HILL WTR CO				WELL							
1	SW4SW4			DOMESTIC MULTIPLE					C	1600.0 G				980.0											
G4X00620C	21	00620	00541	00144	09/03/947				YAKI	10/29/947				MANERS DHU L				WELL							
1	SE4SE4			DOMESTIC SINGLE					C	100.0 G	2			18.0	2		U								
				IRRIGATION					C	100.0 G	2			18.0	2		U	5.0				IS			
G4X02084C	21	02084	02086	01071	08/20/951				YAKI	03/20/952				JOSEPH G F				WELL							
1	SW4SE4			COMMERCIAL/INDUSTRIAL					C	50.0 G				10.0							AE	PS			
G4X05861C	21	05861	05551	04289	03/06/961				YAKI	06/22/961				CATHOLIC CORP BISH				WELL							
1	SW4 SE4			DOMESTIC SINGLE					C	30.0 G				17.0							AN				
				IRRIGATION					C	200.0 G				80.0			U	20.0			AN	IS			
G4X10739C	21	10739	09826	07282	03/30/970	S			YAKI	08/14/970				G F JOSEPH ORCH SI				WELL							
1	NE4 SW4 SE4			COMMERCIAL/INDUSTRIAL					C	200.0 G				61.7							R				
G4-27557C	21				07/14/981				YAKI	12/29/982				G F JOSEPH ORCH SI				WELL							
1	SE4SE4			COMMERCIAL/INDUSTRIAL					C	340.0 G				71.7							RKM				
G4X07540C	22	07540	07200	05523	03/19/965				YAKI	10/19/965				ENGLEWOOD CHRISTIA				WELL							
1	NW4NE4NW4			HEAT EXCHANGE					C	100.0 G				3.5							RE$				
G4X00307S	24	00307		00294	00/00/922				YAKI	/ /				PERRY J M INSTITUT				WELL							
1	L1 BL B CITY OF YAKIMA			COMMERCIAL/INDUSTRIAL					C	250.0 G				300.0											
G4X00309S	24	00309		00292	00/00/926				YAKI	/ /				PERRY J M INSTITUT				WELL							
1	L2 BL B CITY OF YAKIMA			HEAT EXCHANGE					C	400.0 G				650.0											
G4X00624S	24	00624		00619	00/00/924				YAKI	/ /				YAKIMA CO HORT UNI				WELL							
1	L1 BL A PLAT OF YAKIMA			COMMERCIAL/INDUSTRIAL					C	350.0 G	2			567.0	2										
				HEAT EXCHANGE					C	350.0 G	2			567.0	2										
G4X00759S	24	00759		00613	06/01/936				YAKI	/ /				PRENTICE PACK / ST				WELL							
1	L1-4 BL208 UPRR			COMMERCIAL/INDUSTRIAL					C	200.0 G				240.0											
G4X00820S	24	00820		00879	07/00/944				YAKI	/ /				RICHEY / GILBERT C				WELL							
1	L6 BL209 CITY OF YAKIMA			HEAT EXCHANGE					C	400.0 G	2			640.0	2										
				COMMERCIAL/INDUSTRIAL					C	400.0 G	2			640.0	2										
G4X00992S	24	00992		00940	00/00/930				YAKI	/ /				YAKIMA CITY OF				WELL/INFILTRATION TR							
2	W MAPLE ST / 5 AVE SO			IRRIGATION					C	2000.0 G				1190.0					1050.0			IS			
G4X00993S	24	00993		00941	08/00/940	W			YAKI	/ /				YAKIMA CITY OF				WELL							
1	L1 B44 NEW MDN ADD			IRRIGATION					C	1500.0 G				893.0					700.0			IS			

CONTROL # / #OF PTS	SEC / P	OLD APPL / LOC. OF POD/POW	OLD PERM / (CHG C#)	OLD CERT / PURPOSE OF USE	DATE OF PRIORITY / USE TYPE	S C A T C M / QI M U U	CNTY / QA M U U	PERMIT DATE / NAME	SOURCE OF APPROPRIATION TRIBUTARY OF / IRR AC M U PROVISOS	TIME OF USE / R I A C
WATER RESOURCE INVENTORY AREA- 37										
TOWNSHIP - 13 RANGE - 18 E										
G4*04807C 1	24 NE CORNER BL287 SYN SUBDIV	04807	04516	03105 03/03/958 IRRIGATION	 C	YAKI 1200.0 G	06/09/958 YAKIMA CITY OF 960.0	INFILTRATION TR S 700.0	 IS
G4*05505C 1	24 LI0 BL272 KERR ADD TO YAKIMA	05505	05185	03618 02/18/960 HEAT EXCHANGE	 P	YAKI 50.0 G	05/16/960 AIKEN C S / S 80.0	WELL	
G4*06025C 1	24 L3 COTTAGE HILL ADDITION	06025	05741	04540 08/16/961 E DOMESTIC SINGLE IRRIGATION	 C C	YAKI 50.0 G 2 50.0 G 2	01/12/962 BAUR F H 14.5 2 14.5 2	WELL U U	 2.0	A A IS
G4*06966C 1	24 BL207 TOWN OF N YAKIMA	06966	06522	04839 12/13/963 HEAT EXCHANGE	 C	YAKI 140.0 G	03/13/964 HOPS EXTRACT CORP 224.0	WELL	 	AN
07844C 1	24 L5 BL293 CAPITOL & KER ADDN	07844	07324	05976 10/29/965 HEAT EXCHANGE	 C	YAKI 300.0 G	01/11/966 YAKIMA CITY CREAME 160.0	WELL P	 	R
G4-22912C 2	24 NE4 NE4			04/29/974 HEAT EXCHANGE COMMERCIAL/INDUSTRIAL	 C C	YAKI 550.0 G 2 550.0 G 2	07/29/975 WASHINGTON FRUIT&P 474.0 2 474.0 2	WELLS	 	R R
G4-27112C 1	24 SE4NW4SE4			10/01/980 COMMERCIAL/INDUSTRIAL	 C	YAKI 25.0 G	04/28/982 YAKIMA CITY CREAME 40.3	WELL	 	
G4-28312C 2	24 SW4SW4			10/12/983 HEAT EXCHANGE	 C	YAKI 35.0 G	04/13/984 DENTAN ASSOCIATES	WELLS	 	R
G4-29984A 1	24 SE4NE4			05/10/989 HEAT EXCHANGE	 C	YAKI 600.0 G	/ / YAK UN GOSPEN MISN	WELL	 	
G4*00896C 1	25 W2S2SW4NW4	00896	00785	00452 06/05/948 IRRIGATION	 C	YAKI 50.0 G	08/16/948 YAKIMA VALLEY JR C 24.0	WELL	 6.0	IS
G4*00991S 1	25 N2SW4NW4	00991		00939 04/00/945 IRRIGATION	 C	YAKI 500.0 G	/ / YAKIMA CITY OF 80.0	WELL	 20.0	IS
G4*01128C 1	25 SE4SW4NW4	01128	01028	00710 05/20/949 IRRIGATION	 C	YAKI 100.0 G	08/16/949 YAKIMA SCH DIST #7 28.0	WELL	 7.0	IS
G4*07582C 2	25 L2&3 MATTERSON AC TR	07582	07205	05268 04/22/965 HEAT EXCHANGE	 P	YAKI 150.0 G	10/19/965 OOMS B C ET AL 240.0	WELLS	 	RES
G4*10733C 1	25 L4 JOHNSON ORCH HOME TR	10733	09870	07030 03/27/970 DOMESTIC SINGLE	 C	YAKI 10.0 G	09/10/970 HUNTZINGER J N 2.0	WELL	 	
G4*05325C 1	26 NW4 SE4	05325	05033	03703 06/12/959 IRRIGATION	 C	YAKI 86.0 G	11/20/959 YAKIMA SCH DIST #7 34.0	WELL U	 8.65	A IS
G3+20651C 1	27 SW4SW4			12/06/972 IRRIGATION	 C	YAKI 380.0 G	07/17/973 YAKIMA CITY OF 163.8	WELL	 38.0	R 03151015
G4*01037C 1	27 L13 PADDOCK GARDEN	01037	00979	00856 11/26/948 DOMESTIC SINGLE IRRIGATION	 C C	YAKI 15.0 G 2 15.0 G 2	05/16/949 WIKSTROM W O 2.0 1.0	WELL U	 .25	IS
G4-26177P 1	27 SW4NE4			03/29/979 C IRRIGATION	 C	YAKI 15.0 G	06/19/979 MAGGARD HOWARD E 8.0	WELL	 1.5	R 04011031
G4*21397A 1	27 SE4SW4	21397		01/13/969 FISH PROPAGATION	 P	YAKI 3.0 C	/ / WA ST DEPT OF GAME	WIDE HOLLOW CR	 	YAKIMA R
G3+20861P 1	28 SW4 NE4 PL YAKIMA VLY ORCH			02/23/973 C DOMESTIC SINGLE	 C	YAKI 25.0 G	06/30/975 HUNT WESLEY A 2.0	WELL	 	R
G4*00249C 1	28 W2W2SE4NE4	00249	00202	00020 05/15/946 DOMESTIC MULTIPLE COMMERCIAL/INDUSTRIAL HEAT EXCHANGE IRRIGATION	 C C C C	YAKI 400.0 G 4 400.0 G 4 400.0 G 4 400.0 G 4	07/15/946 BANNISTER ELIZABET 350.0 4 350.0 4 350.0 4 350.0 4	WELL	 80.0	 IS
G4*00447S 1	28 NE4SW4	00447		00377 01/18/913 DOMESTIC GENERAL IRRIGATION	 C C	YAKI 450.0 G 2 450.0 G 2	/ / CONGDON ORCH INC 360.0 2 360.0 2	WELL	 913.0	IS
G4*00465S	28 00465			00375 00/00/920		YAKI	/ / CONGDON ORCH INC	WELL		

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WATER RESOURCE INVENTORY AREA- 37																						
TOWNSHIP - 13 RANGE - 19 E																						
				IRRIGATION					C	10.0 G 2	4.0				1.0			RK	04011031			
G4-30736A	24				05/03/991				YAKI	/ /	SIEKAWRTCH				WELL							
1	NW4NW4			DOMESTIC SINGLE					C	110.0 G 3												
				STOCK WATERING					C	110.0 G 3												
				IRRIGATION					C	110.0 G 3					10.0							
G4-24636C	25				02/11/977				YAKI	10/13/977	YOUNG LEON				WELL							
1	NW4NW4			IRRIGATION					C	300.0 G	114.0				30.0			RW	04011015			
G4-27268P	25				01/23/981	C			YAKI	09/24/982	BROLOTTE HERVY				WELL							
1	W2SW4SE4			IRRIGATION					C	250.0 G	36.6			S	46.3			RK	04011031			
-296198	25				02/22/988				YAKI	09/20/988	DESSERAYLT RANCH I				WELL							
	SW4SE4			IRRIGATION					C	500.0 G 2	31.6			S	102.8			$RK	04011031			
				FROST PROTECTION					C	500.0 G 2	8.8								00000000			
G4-24959T	26				03/07/977	C			YAKI	04/01/977	WEIPPERT DON				WELL							
1	NE4NW4			IRRIGATION					C	45.0 G	19.0				5.0			R	IS			
G4-26622C	26				04/02/980	S			YAKI	08/01/988	BLOXOM JOHN M JR				WELL							
1	NW4NE4			DOMESTIC SINGLE					C	40.0 G 2	1.0							$RK				
				IRRIGATION					C	40.0 G 2	37.0			S	50.0			$RK	04011031			
G4-29534P	26				12/08/987				YAKI	06/01/988	BLOXOM JOHN M JR				WELL							
1	NE4NE4			IRRIGATION					C	450.0 G 2	52.0			S	65.0			$RK	04011031			
				FROST PROTECTION					C	450.0 G 2	9.9							$RK	03150601			
G4-24786A	27				02/22/977	R			YAKI	/ /	HILL MARVIN				WELL							
1	NE4			IRRIGATION					C	2250.0 G					110.0				IS			
G4-29224A	27				03/17/987	R			YAKI	/ /	DESMARAIS MARC				WELL							
1	NE4SW4			IRRIGATION					C	250.0 G					60.0				IS			
G4*013588P	28	01358	01319		01/10/950	C			YAKI	09/06/930	WA ST PKS & REC CO				WELL							
1	NE4NE4NW4			DOMESTIC SINGLE					C	40.0 G	16.0											
G4*07417C	28	07417	07048	06200	12/01/964				YAKI	05/21/965	REED HOWARD H				WELL							
1	NE4SW4			DOMESTIC MULTIPLE					C	35.0 G	10.0							A				
G4*09501C	28	09501	08850	06313	05/02/968				YAKI	12/06/968	WA ST PK&REC COMM				WELL							
1	NE4NE4NW4			DOMESTIC MULTIPLE					C	40.0 G	9.0							R				
G4-01151CBL	28	06121B	057738		12/04/961				YAKI	02/20/962	WA ST PK&REC COMM				WELLS							
2	NW4NW4NE4, NW4NE4NW4			DOMESTIC SINGLE					C	850.0 G 2	11.0							A		2	2	0
				IRRIGATION					C	850.0 G 2	200.0				50.0			A	IS	2	2	2
G4-25718C	28				01/23/978				YAKI	11/27/978	RICHARDSON NORMAN				WELLS							
2	NE4NE4			DOMESTIC MULTIPLE					C	173.0 G 2	74.0	2						RK				
				IRRIGATION					C	173.0 G 2	74.0	2						RK	IS			
G4-28009A	28				07/28/982	R			YAKI	/ /	JENSEN WILLIAM/KOA				WELL							
1	NE4SW4			DOMESTIC MULTIPLE					C	50.0 G												
G4-28446G	28				04/25/984				YAKI	11/07/984	DOERING RAYLENE				WELL							
1	SE4NE4			IRRIGATION					C	100.0 G	36.0				9.0			RK	04011031			
G4-30219A	28				04/05/990				YAKI	/ /	N RICHARDSON				WELLS							
2	NE4NE4			DOMESTIC MULTIPLE					C	300.0 G 3												
				COMMERCIAL/INDUSTRIAL					C	300.0 G 3												
				IRRIGATION					C	300.0 G 3					1.0				IS			
S4*18776C	28	18776	14122	10068	11/10/964				$ YAKI	01/21/966	REED H H				YAKIMA R				COL R (WALL LK)			
1	NE4 SW4			FISH PROPAGATION					N	2.8 C 2								QS$				
				REC & BEAUTIFICATION					N	2.8 C 2								QS$				
G4*04610C	29	04610	04456	03065	05/17/957	S			YAKI	02/28/958	CENTRAL WA FAIR				WELL							
3	N2NW4; SW4NW4			IRRIGATION					C	240.0 G	80.0				20.0			RK	04301031			
G4*07529C	29	07529	07151	05511	03/15/965	S			YAKI	09/13/965	YAKIMA CITY OF				WELL							
1	NW4 SE4 SE4			DOMESTIC GENERAL					C	172.0 G 2	202.0							R				
				IRRIGATION					C	172.0 G 2	20.0				5.0			R	IS			
G4*07592C	29	07592	07119	05731	04/14/965				YAKI	07/26/965	WA ST HIGHWAY COMM				WELL							
1	NW4NE4			IRRIGATION					C	50.0 G	7.2				1.8			R	IS			

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WATER RESOURCE INVENTORY AREA- 37																
TOWNSHIP - 13 RANGE - 19 E																
G4*11478A	29	11478			12/23/970 R		YAKI	/ /		MATSON ALAN L		WELL				
1	GOODWIN'S 5 ACRE TRKS L-34			DOMESTIC MULTIPLE			C	1000.0 G 2								
				COMMERCIAL/INDUSTRIAL			C	1000.0 G 2								
G4-23039C	29				06/03/974		YAKI	05/05/976		YAKIMA PKS & RECR		WELL				
1	SW4NE4NE4			IRRIGATION			C	200.0 G		83.0		16.0		R	04011001	
G4-23469C	29				09/10/974		YAKI	06/12/975		YAKIMA VALLEY TURF		WELL				
1	SW4SE4NW4			ENVIRONMENTAL QUALITY			C	400.0 G 2		210.0 2				R		
				IRRIGATION			C	400.0 G 2		210.0 2		40.0		R	IS	
G4-28349C	29				11/30/983 S		YAKI	03/30/987		HUMANE SOCIETY		WELL				
1	SE4NE4			DOMESTIC MULTIPLE			C	18.0 G 3		2.0				RK		
				DOMESTIC GENERAL			C	18.0 G 3		1.2				RK		
				COMMERCIAL/INDUSTRIAL			C	18.0 G 3		1.8				RK		
G4-29825A	29				10/18/988		YAKI	/ /		YAKIMA GREENWAY		WELL				
1	SE4NE4			IRRIGATION			C	300.0 G				12.2				
G4-30734A	29				05/03/991		YAKI	/ /		YAKIMA ARBORETUM		WELL				
1	NW4NE4			DOMESTIC MULTIPLE			C	75.0 G								
G4*00115D	30	00115			08/01/923 R		YAKI	/ /		CITY ICE DELIVERY		WELL				
1	NW4NW4			COMMERCIAL/INDUSTRIAL			C	60.0 G		96.0						
G4*00143S	30	00143		00098	08/01/923		YAKI	/ /		CITY ICE DELIVERY		WELL				
1	NW4NW4			HEAT EXCHANGE			C	60.0 G		96.0						
G4*04381C	30	04381	04099	02922	07/19/956		YAKI	10/09/956		YAKIMA METRO PRK D		WELL				
1	NW4NW4			IRRIGATION			C	82.0 G		10.0		2.5		AEN	IS	
G4-24200C	30				02/17/976		YAKI	12/27/976		NOEL CANNING CORP		WELL				
1	W2 NW4 NE4			COMMERCIAL/INDUSTRIAL			C	150.0 G		57.0				R		
G4-27558A	30				07/15/981 R		YAKI	/ /		WA ST HOP PROD INC		WELLS				
2	S2S2			COMMERCIAL/INDUSTRIAL			C	200.0 G								
G4-28585C	30				12/14/984		YAKI	11/21/985		YAKIMA PRECAST		WELL				
1	SE4NW4			HEAT EXCHANGE			C	90.0 G						RK		
G3*00675C	31	11830			04/28/971		YAKI	06/07/973		SNOKIST GROWERS		WELL				
1	NW4NE4			COMMERCIAL/INDUSTRIAL			C	40.0 G		64.0				R		
G4*01813C	31	01813	01625	01635	02/05/951		YAKI	04/13/951		YAKIMA FARMERS SPP		WELL				
1	NE4SE4			COMMERCIAL/INDUSTRIAL			C	50.0 G		40.0				AE		
G4*04834C	31	04834	04572	03220	04/18/958		YAKI	08/15/958		HANSEN FRUIT / STO		WELL				
1	NW4 NE4			DOMESTIC MULTIPLE			C	175.0 G 3		280.0 3				A		
				HEAT EXCHANGE			C	175.0 G 3		280.0 3				A		
				COMMERCIAL/INDUSTRIAL			C	175.0 G 3		280.0 3				A		
G4*06401C	31	06401	06006	04376	07/31/962		YAKI	10/29/962		HANSEN FRUIT & STO		WELL				
1	NE4NW4NE4			COMMERCIAL/INDUSTRIAL			C	285.0 G		280.0				A		
G4*07270C	31	07270	06943	05263	07/22/964		YAKI	03/22/965		HANSEN FRUIT & STO		WELL				
1	NE4 NW4 NE4			COMMERCIAL/INDUSTRIAL			C	350.0 G		503.0	S			RNS		
G4-23466C	31				06/27/974		YAKI	02/24/976		RHODES JOHN W		WELLS				
2	NW4NE4SW4			DOMESTIC SINGLE			C	20.0 G 2		2.0				R		
				IRRIGATION			C	20.0 G 2		6.0		1.0		R	04011001	
G4-24887C	31				03/02/977		YAKI	03/06/978		STELZER ALFRED		WELL				
1	NW4SE4			IRRIGATION			C	90.0 G		52.0	S	10.0		RW	04011031	
G4-28967B	31				06/09/986		YAKI	01/12/987		WHITE DONALD R		WELL				
1	S2NW4			IRRIGATION			C	235.0 G		48.0		12.0		$RK	04011031	
G4-29160C	31				12/09/986		YAKI	05/21/987		WHITE DONALD R		WELL				
1	S2NW4			IRRIGATION			C	95.0 G		48.0	S	12.0			04011031	
G3+21197C	32				05/24/973		YAKI	07/11/975		WALTERS THOMAS G		WELL				
1	SW4NE4			IRRIGATION			C	30.0 G		12.0		3.0		R	04010930	
G4*00042P	32	00042	00027		11/14/945 C		YAKI	01/25/946		CRAWFORD J J		WELL				

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WATER RESOURCE INVENTORY AREA- 37																									
TOWNSHIP - 13 RANGE - 19 E																									
1	SW4SE4NE4			IRRIGATION					C	900.0	G			120.0				35.0				IS			
G4*07593C	32	07593	07120	05732	04/14/965					YAKI	07/26/965			WA ST HIGHWAY COMM				WELL							
1	SE4NE4			IRRIGATION					C	50.0	G			7.2				1.8			R	IS			
G4*07594C	32	07594	07121	05733	04/14/965					YAKI	07/26/965			WA ST HIGHWAY COMM				WELL							
1	SE4SE4			IRRIGATION					C	50.0	G			7.2				1.8			R	IS			
G4*10321C	32	10321	09355	07552	07/24/969					YAKI	10/20/969			LINDEMAN J G				WELL							
1	TR8 FORNEY SUBD			HEAT EXCHANGE					C	50.0	G			7.2							RP				
G4-23040C	32				06/03/974					YAKI	12/12/975			YAKIMA PKS & RECR				WELL							
1	SE4SE4NW4			IRRIGATION					C	300.0	G			39.0				7.5			R	04011001			
G4-28514C	32				07/10/984					YAKI	01/31/985			WASH FRUIT & PROD				WELL							
1	SW4NE4			COMMERCIAL/INDUSTRIAL					C	75.0	G										KR	05010731			
G4-28812C	32				10/14/985					YAKI	03/28/986			WA FRUIT & PRODUCE				WELL							
1	SW4NE4			COMMERCIAL/INDUSTRIAL					C	75.0	G										$RK				
G4*00213P	33	00213	00153		04/12/946	C				YAKI	05/03/946			REDMON FRED G				SUMP							
1	SW4NW4			COMMERCIAL/INDUSTRIAL					C	2000.0	G			177.0	0										
G4-25183B	33				05/02/977	C				YAKI	03/08/978			VANDERWEL PATTY J				WELL							
1	SE4 NE4			DOMESTIC SINGLE					C	400.0	G	2		2.0							R				
				IRRIGATION					C	400.0	G	2		204.0				39.0			R	04011031			
G4-29394T	33				08/18/987					YAKI	08/27/987			YAKIMA CONCRETE CO				WELL							
1	N2N2			DOMESTIC MULTIPLE					C	500.0	G	2									$K				
				COMMERCIAL/INDUSTRIAL					C	500.0	G	2													
G3+21053C	34				04/27/973					YAKI	07/29/975			MILUM ROLAND D				WELL							
1	NE4SE4			IRRIGATION					C	80.0	G			53.0				10.0			R	04011031			
G4*10996C	34	10996	10089	07327	06/23/970					YAKI	01/27/971			MAHER W D				WELL							
1	N2 SE4 NW4			DOMESTIC SINGLE					C	10.0	G			1.0							R				
				IRRIGATION					C	400.0	G			172.0			U	40.0			R	03010930			
G4-24871G	34				02/28/977					YAKI	02/23/978			GOODWIN P D				WELLS							
2	SE4NE4, NE4SE4			STOCK WATERING					C	30.0	G	2		2.0							RN				
				IRRIGATION					C	30.0	G	2		24.0				11.0			RN	04011031			
G4-27315G	34				02/20/981					YAKI	10/09/981			WENTZ DEWAYNE L				WELL							
1	SW4SE4			DOMESTIC SINGLE					C	56.0	G	2		1.0							RK				
				IRRIGATION					C	56.0	G	2		26.2				5.0			RK	04011031			
G4-28676B	34				04/30/985					YAKI	11/22/985			KRAUSE RICHARD C				WELLS							
2	SW4SE4			DOMESTIC SINGLE					C	60.0	G	2		1.0							RK				
				IRRIGATION					C	60.0	G	2		22.5				5.0			RK	04011031			
G4*06359C	35	06359	06100	04659	06/27/962					YAKI	01/08/963			YAKIMA SCH DIST #9				WELL							
1	SE4 SE4 NE4			IRRIGATION					C	145.0	G			60.0			U	15.0			AN	IS			
G4*09220C	35	09220	08642	06203	02/16/968					YAKI	09/04/968			MOXEE SCH DIS #90				WELL							
1	NE4SE4NE4			DOMESTIC MULTIPLE					C	150.0	G			17.0							RN				
G4-27419P	35				04/14/981					YAKI	03/01/983			B T LOFTUS RCHS IN				WELL							
1	SE4SE4			DOMESTIC SINGLE					C	10.0	G			2.0							RK				
				IRRIGATION					C	60.0	G			5.14			S	6.0			RK	04011031			
G4-24722P	36				02/17/977	C				YAKI	05/04/978			VEST JIM				WELL							
1	SE4SW4			IRRIGATION					C	100.0	G			43.0			S	9.0			RW	04011031			
G4-25586C	36				10/24/977					YAKI	03/30/978			BURLEY YAKIMA RAN				WELL							
1	SE4NE4NE4			DOMESTIC SINGLE					C	185.0	G	2		2.0							R				
				IRRIGATION					C	185.0	G	2		175.0			S	46.0			R	04011031			
G4-27928P	36				05/12/982					YAKI	04/07/983			DORAIS EMIL/HELEN				WELL							
1	S2NE4			DOMESTIC MULTIPLE					C	50.0	G			5.0							KR				
G4-29745A	36				06/05/988					YAKI	/ /			BURLEY JAMES H				WELL							
1	E2NE4			DOMESTIC SINGLE					C	180.0	G	3													
				IRRIGATION					C	180.0	G	3						42.0				IS			
				FROST PROTECTION					C	180.0	G	3													
TOWNSHIP - 13 RANGE - 20 E																									

CONTROL # / #OF PTS	SEC / R / P	OLD APPL / OLD PERM / OLD CERT	DATE OF PRIORITY / PURPOSE OF USE (CHG C#)	S T C M / USE TYPE	CNTY / INST QI	PERMIT DATE / NAME / ANNUAL QA	C R S M U U	SOURCE OF APPROPRIATION TRIBUTARY OF / IRR AC	C S M U	PRO-VISOS	TIME OF USE	R R I A C
WATER RESOURCE INVENTORY AREA- 37												
TOWNSHIP - 13 RANGE - 19 E												
G4-01163C 1	16 NE4 SE4	00573 00596	06/28/974 S DOMESTIC MULTIPLE IRRIGATION	C C	YAKI 01/30/948 275.0 G 2 275.0 G 2	EAST RIDGE PK WTR 72.0 72.0	WELL					
G4-22589C 1	16 NE4 SW4 SCHEMPER ADDITION		05/20/974 DOMESTIC MULTIPLE	C	YAKI 07/29/975 50.0 G	SCHEMPER ADD WTR C 14.0	WELL			R		
G4-23982C 1	16 SE4NW4		06/17/975 DOMESTIC MULTIPLE	C	YAKI 12/12/975 75.0 G	NORTH TERRA VISTA 22.0	WELL			R		
G4-25797A 1	16 NW4NW4		03/24/978 R DOMESTIC MULTIPLE	C	YAKI / / 40.0 G	MACIAS EMANUAL	WELL					
G4-26053C 1	16 SE4SE4NW4		11/15/973 DOMESTIC MULTIPLE	C	YAKI 04/27/979 75.0 G	NORTH TERRA VISTA 16.0	WELLS					
G4-27699P 1	16 SE4SE4		09/21/981 DOMESTIC MULTIPLE	C	YAKI 12/03/982 500.0 G	COUNTRY CLB DIS WT 376.0	WELL S			R		
G4-29688A 1	16 NE4NW4		03/17/988 DOMESTIC MULTIPLE	C	YAKI / / 430.0 G	MURPHY J & TWISS R	WELL				00000000	
G3+20358C 2	17 NW4 SE4 NW4		07/26/972 STOCK WATERING IRRIGATION	C C	YAKI 04/15/975 50.0 G 2 50.0 G 2	RAYMOND CAROL 1.0 21.4	WELLS	5.0		R$ R$	03011031	
G3+20707P 1	17 NW4 NE4		01/02/973 C DOMESTIC SINGLE IRRIGATION	C C	YAKI / / 10.0 G 100.0 G	MERCY MICHAEL M 1.0 43.0	WELL	10.0		A A	04011031	
G3+21559C 1	17 E2 SE4 NW4		08/20/973 DOMESTIC MULTIPLE HEAT EXCHANGE	C C	YAKI 10/31/975 25.0 G 2 25.0 G 2	USBR 5.5 11.5	WELL			R R		
G3+21560C 1	17 NE4NW4		08/20/973 HEAT EXCHANGE	C	YAKI 10/31/975 7.0 G	USBR 11.0	WELL			R		
G3+21663A 1	17 W2		08/30/973 R IRRIGATION	C	YAKI / / 150.0 G	WARD O C	WELL					
G4+01046C 1	17 01046 SE4NE4	00992	00344 12/22/948 DOMESTIC MULTIPLE IRRIGATION	C C	YAKI 05/26/949 70.0 G 2 70.0 G 2	MAXWELL H B 9.0 2 9.0 2	WELL	4.0			IS	
G4+05404C 1	17 05404 NE4SE4	05107	03559 09/18/959 COMMERCIAL/INDUSTRIAL	C	YAKI 01/26/960 125.0 G	SIVER CONSTRUCTION 200.0	WELL			A		
G4+11202C 1	17 11202 SE4NE4	10133	07514 09/01/970 DOMESTIC MULTIPLE	C	YAKI 02/10/971 160.0 G	LONG ARCHIE L 67.0	WELL					
G4+11870A 1	17 11870 E2SE4		05/06/971 R COMMERCIAL/INDUSTRIAL	C	YAKI / / 1250.0 G	BURLINGTON NORTHER	WELL					
G4-22837C 1	17 SW4 SE4		03/28/974 DOMESTIC MULTIPLE COMMERCIAL/INDUSTRIAL	C C	YAKI 12/12/975 20.0 G 2 20.0 G 2	JUDY MAX 2.0 6.0	WELL			RK RK		
G4-23110C 1	17 SE4 NE4		06/10/974 DOMESTIC SINGLE IRRIGATION	C C	YAKI 07/15/975 30.0 G 2 30.0 G 2	SOLOWAN ERNEST W 2.0 8.0	WELL	2.0		R R	04011001	
G4-23163C 1	17 SE4SE4		06/20/974 DOMESTIC MULTIPLE	C	YAKI 09/24/976 20.0 G	ZIEGLER BUILDING 4.0	WELL			R		
S4+01635A 1	17 01635 SE4NW4		03/04/926 R POWER	C	YAKI / / 3000.0 C	MILLER H LLOYD	YAKIMA R				COLUMBIA R	
S4-25773A 1	17 NE4SW4		03/06/978 R ENVIRONMENTAL QUALITY	N	YAKI / / 3.0 C	FIORITO BROTHERS	YAKIMA R				COLUMBIA R	
G4+03719C 1	18 03719 NW4NW4SE4	03504	02180 07/28/954 E HEAT EXCHANGE	C	YAKI 11/30/954 500.0 G	CASCADE LUMBER CO 800.0	WELL			AE		
G4+04583C 1	18 04583 SE4 SE4 NW4	04477	03462 04/24/957 DOMESTIC MULTIPLE HEAT EXCHANGE	C C	YAKI 04/21/958 400.0 G 2 400.0 G 2	CASCADE LUMBER CO 640.0 2 640.0 2	WELL P P					

CONTROL # / # OF PTS	SEC / P	OLD APPL / LOC. OF POD/POW	OLD PERM / (CHG C#)	OLD CERT / PURPOSE OF USE	DATE OF PRIORITY / USE	S C A T C M / TYPE	CNTY / INST QI	PERMIT DATE / C R S M U U	NAME / ANNUAL QA	C R S M U U	SOURCE OF APPROPRIATION / IRR AC	C S M U	TRIBUTARY OF / PRO-VISOS	TIME OF USE	R R R I A C
WATER RESOURCE INVENTORY AREA- 37															
TOWNSHIP - 13 RANGE - 19 E															
G4*07587C 1	18	07587 NE4SE4	07114	05726 04/14/965 IRRIGATION		C	YAKI 50.0	07/26/965 G	WA ST HIGHWAY COMM 7.2	WELL	1.8	R		IS	
G4*07589C 1	18	07589 NW4NE4	07116	05728 04/14/965 IRRIGATION		C	YAKI 50.0	07/26/965 G	WA ST HIGHWAY COMM 6.8	WELL	1.7	R		IS	
G4-27615C 1	18	L-1/4 BL-87 YAKIMA/SE4SW4		08/26/981 HEAT EXCHANGE		C	YAKI 140.0	06/14/982 G	L E L BUILDING 56.5	WELL		RK			
G4-30096A 1	18	NW4NW4		09/25/989 DOMESTIC MULTIPLE		C	YAKI 30.0	/ / G	L M COUGHLIN	WELL					
G4*08335A 1	18	08335 SE4SE4		04/15/948 R COMMERCIAL/INDUSTRIAL		C	YAKI 1.0	/ / C	GIBSON PACKING CO	YAKIMA R			COLUMBIA R		
G4*00232S 1	19	00232 L9/10/11/12 BL50 TWN YAKIMA		00205 04/01/942 E HEAT EXCHANGE		C	YAKI 350.0	/ / G	NEWBERRY J J CO 149.0	WELL					
G4*00244S 1	19	00244 L24 BL-D NPRY CO R OF W PLAT		00179 08/20/929 COMMERCIAL/INDUSTRIAL		C	YAKI 550.0	/ / G	CALIF PACKING CORP 185.0	WELL					
G4*01417C 3	19	01417 LI-6 BL91 CITY OF YAKIMA	01508	00921 03/16/950 HEAT EXCHANGE		C	YAKI 700.0	02/15/951 G	YAKIMA COMM HOUSE 99.0	WELLS		A			
G4*05324C 1	19	05324 BLS 156 / 176 HOME ADDN	05111	04027 06/12/959 IRRIGATION		C	YAKI 65.0	02/26/960 G	YAKIMA SCH DIST #7 26.0	WELL	6.5	A		IS	
G4*05815C 1	19	05815 BL178 PARKER ADDN TO YAKIMA	05493	03916 01/19/961 IRRIGATION		C	YAKI 35.0	04/21/961 G	YAKIMA SCH DIST #7 14.0	WELL	3.5	A		IS	
G4-27555P 2	19	L-17/32 BL-9 YAKIMA NORTH		07/07/981 HEAT EXCHANGE		C	YAKI 700.0	02/23/982 G	YAKIMA CO COMMISS	WELLS		R			
G4-27921C 1	19	N2NW4		05/07/982 HEAT EXCHANGE		C	YAKI 110.0	03/01/983 G	AMER RED CROSS(YAK 88.0	WELL		KR			
G4-28036A 1	19	NE4SE4		08/27/982 R HEAT EXCHANGE		C	YAKI 110.0	/ / G	AMERICAN RED CROSS	WELL					
G4-29299A 1	19	E2SW4		06/03/987 R DOMESTIC MULTIPLE		C	YAKI 60.0	/ / G	EASTWOOD CLYDE	WELL					
G3+00303C 1	20	10889 FAIR ST L 15&28 PL LHS YAKIM	09858	05/18/970 IRRIGATION		C	YAKI 120.0	09/03/970 G	WA ST HIGHWAY COMM 32.0	WELL	7.4	R		04011015	
G4*04954C 1	20	04954 SW4 NW4	04699	04646 08/04/958 DOMESTIC MUNICIPAL		C	YAKI 2300.0	01/23/959 G	YAKIMA CITY OF 3680.0	WELL S		A			
G4*06979C 1	20	06979 NE4 NE4	06520	04790 01/08/964 DOMESTIC SINGLE IRRIGATION		C C	YAKI 10.0 100.0	03/13/964 G G	VAN NOSTERN J G 45.6 2 45.6 2	WELL	10.0	AN ANE		IS	
G4*07590C 1	20	07590 SE4NW4	07117	05729 04/14/965 IRRIGATION		C	YAKI 50.0	07/26/965 G	WA ST HIGHWAY COMM 5.6	WELL	1.4	R		IS	
G4*07591C 1	20	07591 SE4SW4	07118	05730 04/14/965 IRRIGATION		C	YAKI 50.0	07/26/965 G	WA ST HIGHWAY COMM 6.4	WELL	1.6	R		IS	
G4*10807C 1	20	10807 NW4 NE4 NE4	09831	07555 04/22/970 DOMESTIC SINGLE COMMERCIAL/INDUSTRIAL FIRE PROTECTION IRRIGATION		C C C C	YAKI 300.0 300.0 300.0 300.0	08/19/970 G 4 G 4 G 4 G 4	LIGHTHALL A C & W 2.0 96.0 4.3	WELL	1.0	R R R R		04011031	
G4-23041C 1	20	SW4NW4		06/03/974 IRRIGATION		C	YAKI 400.0	12/12/975 G	YAKIMA PKS & RECR 101.0	INFILTRATION TR	19.5			04011001	
G4-23494C 1	20	NW4 SE4		09/28/974 DOMESTIC SINGLE COMMERCIAL/INDUSTRIAL		C C	YAKI 228.0 228.0	12/26/975 G 2 G 2	CENTRAL PRE-MIX CO 2.0 3.6	WELL		R R			
G4-26557C 1	20	SW4NW4		02/15/980 IRRIGATION		C	YAKI 10.0	12/04/980 G	WELLS CLIFFORD 2.0	WELL	.5	R		04011031	
G4-28267G 1	20	SW4NE4		07/29/983 IRRIGATION		C	YAKI 145.0	04/24/984 G	YAKIMA R REG GREEN 55.1	WELL	14.5	KR		04011001	

CONTROL #	SEC	OLD APPL	OLD PERM	OLD CERT	DATE OF PRIORITY	S T	C	A M	CNTY	PERMIT DATE	NAME	SOURCE OF APPROPRIATION	TRIBUTARY OF
#OF PTS	P LOC. OF POD/POW (CHG C#)				PURPOSE OF USE				USE TYPE	INST QI	C M R U S U	ANNUAL QA	C M R U S U	IRR AC	C M S PROVISOS	TIME OF USE	R I R A R C
WATER RESOURCE INVENTORY AREA- 37																	
TOWNSHIP - 13 RANGE - 19 E																	
G4-28530A	20				09/05/984	R			YAKI	/ /	YAKIMA R GREENWAY	WELL					
1 SW4NE4					IRRIGATION				C	95.0 G				9.5		IS	
S4-23495C	20				09/28/974				YAKI	12/26/975	CENTRAL PRE MIX CO	UNN POND				YAKIMA R	
1 NW4SE4					COMMERCIAL/INDUSTRIAL				C	1.3 C					S		
G3+00785C	21	12153			08/16/971				YAKI	07/20/973	CONRAD LYLE	WELL					
1 SW4NW4					IRRIGATION				C	90.0 G		43.0		10.0	R	04010930	
G3+20480P	21				12/29/972	C			YAKI	05/30/973	CHG INTERNATIONAL	WELL					
1 N2 SE4 NE4 NE4					DOMESTIC MULTIPLE				C	128.0 G		27.0					
G4*00623S	21	00623		00618	00/00/924				YAKI	/ /	YAKIMA CO HORT UNI	WELL					
1 NW4NW4					COMMERCIAL/INDUSTRIAL				C	200.0 G 2		48.0 2					
					DOMESTIC GENERAL				C	200.0 G 2		48.0 2					
G4*00625S	21	00625		00620	00/00/924				YAKI	/ /	YAKIMA CO HORT UNI	WELL					
1 NW4NW4					COMMERCIAL/INDUSTRIAL				C	100.0 G 2		24.0 2				PS	
					DOMESTIC GENERAL				C	100.0 G 2		24.0 2					
G4*01702C	21	01702	01450	00684	10/16/950				YAKI	12/15/950	YAKIMA CO HORT UNI	WELL					
1 W2NW4					COMMERCIAL/INDUSTRIAL				C	600.0 G		300.0			EA	IS	
G4*04587C	21	04587	04293	02915	04/25/957				YAKI	06/25/957	BLUE RIBBON GROWER	WELL					
1 NW4 NW4					COMMERCIAL/INDUSTRIAL				C	750.0 G 2		372.0 S			A		
					COMMERCIAL/INDUSTRIAL				C	750.0 G 2		828.0			A		
G4*07755C	21	07755	07279	05295	08/24/965				YAKI	12/02/965	CONRAD L	WELL					
1 SW4SW4NW4/NE4NW4SW4					IRRIGATION				C	135.0 G 2		72.0 2	S	13.0	AE	IS	
					IRRIGATION				C	135.0 G 2		72.0 2	S	5.0	AE	IS	
G4*08718C	21	08718	08104	06608	05/05/967				YAKI	09/06/967	SNOKIST GROWERS	WELL					
1 N2 NW4 NW4					COMMERCIAL/INDUSTRIAL				C	1500.0 G 2		1572.0	S		RK	07010501	
G4*09198C	21	09198	08679	06219	02/02/968				YAKI	10/02/968	SNOKIST GROWERS	WELL					
1 N2 NW4 NW4					COMMERCIAL/INDUSTRIAL				C	1000.0 G		1438.0	S		RN	07010430	
G4-01151CAL	21	06121A	05773A		12/04/961				YAKI	02/20/962	WA ST PK&REC COMM	WELL					
1 SW4SE4SW4					DOMESTIC SINGLE				C	850.0 G 2		11.0			A		2 2 0
					IRRIGATION				C	850.0 G 2		200.0		50.0	A	IS	2 2 2
G4-23191C	21				06/22/974				YAKI	07/29/975	LEWIS ALLEN H	WELL					
1 S2NW4NW4SW4					IRRIGATION				C	28.0 G		21.0		5.0	R	04011031	
S4*09353C	21	09353	06898	03955	01/10/950				YAKI	01/15/951	WA ST PK&REC COMM	UNN STR				YAKIMA R	
1 SE4SW4					IRRIGATION				C	.3 C				20.0		IS	
G3+00952C	22	11738	10737		03/30/971				YAKI	03/31/972	YAKIMA COUNTRY CLU	WELL					
1 L11 PL COUNTRY CLUB ESTATES					DOMESTIC MULTIPLE				C	480.0 G		22.0			RH		
G3+20079C	22				03/06/972				YAKI	06/25/973	DITOMMASO ANTHONY	WELL					
1 L-252 TERRACE HGTS SUB #2					DOMESTIC SINGLE				C	40.0 G 3		2.0			R		
					FIRE PROTECTION				C	40.0 G 3					R		
					IRRIGATION				C	40.0 G 3		8.5		2.0	R	04011001	
G3+22031C	22				11/07/973				YAKI	11/22/976	YAKIMA COUNTRY CLU	WELL					
1 SE4NW4					IRRIGATION				C	500.0 G		397.0		120.0	R	02011201	
G4*00238S	22	00238		00891	06/01/926		K		YAKI	/ /	COUNTRY CLB DIST W	WELL					
1 L14 CTRY CLB SUB TR					DOMESTIC MULTIPLE				C	165.0 G 2		162.0 2 U					
					IRRIGATION				C	165.0 G 2		162.0 2 U				IS	
G4*00282C	22	00282	00931	00886	06/21/946		K		YAKI	03/17/949	COUNTRY CLUB DIST	WELLS					
2 N2NE4					DOMESTIC MULTIPLE				C	1500.0 G 2		1210.0 2 U					
					IRRIGATION				C	1500.0 G 2		1210.0 2 U		700.0			
G4*05574C	22	05574	05235	04243	04/19/960				YAKI	07/08/960	ROBERTS R R ET AL	WELL					
1 L28 SUNSET POINT ADDN 2					DOMESTIC SINGLE				C	12.0 G 2		11.2 U			A		
					IRRIGATION				C	12.0 G 2		6.0 U		1.5	A	IS	
G4-24324C	22				06/15/976				YAKI	06/10/977	PORTER MARY E	WELL					

CONTROL # / $OF R / PTS P LOC. OF POD/POW (CHG C#)	SEC #	OLD APPL	OLD PERM	OLD CERT	DATE OF PRIORITY	S C A T C M	CNTY / PERMIT DATE / PURPOSE OF USE	USE TYPE	PERMIT INST QI	C R S M U U	ANNUAL QA	C R S M U U	IRR AC	C S PRO- M U VISOS	TIME OF USE	R R R I A C
WATER RESOURCE INVENTORY AREA- 37																
TOWNSHIP - 13 RANGE - 19 E																
1 . SE4 NW4							DOMESTIC SINGLE	C	40.0 G 2		2.0			RK		
							IRRIGATION	C	40.0 G 2		23.4		4.5	RK	04011031	
G4-24526C 1 SE4NW4	22				02/01/977		YAKI 03/21/978 YAKIMA COUNTRY CLU WELL									
							IRRIGATION	C	500.0 G	S	397.0	S	120.0	R	02011201	
G4-25872C 1 NW4SW4	22				05/11/978		YAKI 08/04/978 MCAULEY'S HM WTR U WELL									
							DOMESTIC MULTIPLE	C	210.0 G		24.0			R		
G4-26566C 3 SW4NW4	22				02/25/980		YAKI 02/26/982 TRENEER ADD WTR CO WELLS									
							DOMESTIC MULTIPLE	C	160.0 G		18.0			R		
3+00368C 1 B5 PL BRIDLE MOOR	23	04962	04676		08/08/958		YAKI 01/05/959 HOCKER JOE W WELL									
							DOMESTIC MULTIPLE	C	60.0 G 2		40.0 2			R		
							IRRIGATION	C	60.0 G 2		40.0 2		6.0	R		
G4*02724C 1 L-333 TERRACE HTS SUB #3	23	02724	02696	01462	09/22/952	E	YAKI 04/24/953 STOTSENBERG H WELL									
							IRRIGATION	C	110.0 G		140.0	U	35.0	AE	IS	
G4*03890P 1 TERRACE HEIGHTS SUBDIV #2	23	03890	03730		02/24/955	C	YAKI 07/26/955 LUNDBERG GEORGE D WELL									
							DOMESTIC MULTIPLE	C	50.0 G		30.0					
G4-24754C 1 L-324 TERRACE HEIGHTS	23				02/18/977		YAKI 08/01/978 DAY LLOYD L WELL									
							DOMESTIC SINGLE	C	200.0 G 2		2.0			R		
							IRRIGATION	C	200.0 G 2		186.0	S	60.0	R	04011031	
G4-28920A 1 E2NE4	23				05/01/986	R	YAKI / / EARP RUBY LARUE WELL									
							DOMESTIC SINGLE	C	600.0 G							
							IRRIGATION	C	600.0 G				80.0		IS	
G4-29433P 1 SE4NW4	23				10/02/987		YAKI 04/27/988 TRUHLER TERENCE WELL									
							DOMESTIC SINGLE	C	30.0 G 2		.5			$RK		
							IRRIGATION	C	30.0 G 2		1.2	S	1.5	$RK	04011031	
G3+21109C 1 SW4NW4	24				05/10/973		YAKI 07/02/975 BITTNER WATER CO WELL									
							DOMESTIC MULTIPLE	C	28.0 G		15.0			R		
G4*06205C 1 W2 W2 W2	24	06205	05861	04543	03/07/962	E	YAKI 06/07/962 PATTERSON E WELL									
							DOMESTIC SINGLE	C	20.0 G		11.2			A		
G4*06436C 1 S2 SE4 SE4	24	06436	06050	04423	08/15/962		YAKI 12/04/962 USDI BPA WELL									
							DOMESTIC GENERAL	C	150.0 G 2		16.8 2			A		
							FIRE PROTECTION	C	150.0 G 2		16.8 2			A		
G4*07557C 1 E2SE4NW4	24	07557	07110	07516	03/31/965		YAKI 09/30/965 WARRIOR F WELL									
							DOMESTIC MULTIPLE	C	60.0 G		10.0			R		
G4-01159C 1 SE4NW4NE4	24	08406	07880		11/28/966		YAKI 05/17/967 YAKIMA SHEEP CO WELL									
							IRRIGATION	C	400.0 G		300.0		75.0	R		
G4-25709C 1 SW4SW4	24				01/24/978		YAKI 07/26/978 PERROTTI STEPHEN L WELL									
							DOMESTIC MULTIPLE	C	28.0 G		3.0			RH		
G4-25755C 1 SE4SW4	24				02/23/978		YAKI 07/20/978 ERICKSEN J T WELL									
							IRRIGATION	C	50.0 G		19.0		5.0	R	03011031	
G4-26340C 1 E2SW4	24				08/16/979		YAKI 06/06/980 WARRIOR ORCHARDS WELL									
							IRRIGATION	C	240.0 G		190.0		75.0	R	03011031	
G4-26497B 1 NE4NE4	24				12/19/979	C	YAKI 07/08/980 KOREIS HERBERT ETU WELL									
							DOMESTIC SINGLE	C	35.0 G 2		2.0			R		
							IRRIGATION	C	35.0 G 2		10.0		2.0	R	04011031	
G4-27535K 1 NE4NW4	24				06/24/981		YAKI 09/23/982 HEILY JOHN WELL									
							FROST PROTECTION	C	150.0 G 2		2.7			RK		
							IRRIGATION	C	150.0 G 2		85.5		22.5	RK	IS	
G4-28439K 1 NW4NW4NE4	24				04/09/984		YAKI 11/20/984 HELLBUSCH VERN A WELL									
							DOMESTIC SINGLE	C	24.0 G 2		1.0			K------		
							IRRIGATION	C	24.0 G 2		7.6		2.0	K------	04011031	
G4-28635G 1 NE4NW4	24				03/06/985		YAKI 07/19/985 CLARK ANN L WELL									
							DOMESTIC SINGLE	C	10.0 G 2		1.0			RK		

CONTROL # / #OF PTS	SEC # / P	OLD APPL / LOC. OF POD/POW	OLD PERM / (CHG C#)	OLD CERT / PURPOSE OF USE	DATE OF PRIORITY	S T	C C	A M	CNTY / USE TYPE	PERMIT DATE / QI	NAME	INST M	C U	R U	S U	ANNUAL QA	C M	R U	S U	IRR AC	C M	S U	PRO-VISOS	TIME OF USE	R I	R A	R C	SOURCE OF APPROPRIATION TRIBUTARY OF
WATER RESOURCE INVENTORY AREA- 37																											
TOWNSHIP - 13 RANGE - 19 E																											
G4-26160B	12			03/08/979	C				YAKI	07/18/979	HILL CARL ET UX																WELL
1	SW4SW4			DOMESTIC MULTIPLE					C	155.0	G	2				4.0							R				
				IRRIGATION					C	155.0	G	2				62.0				14.5			R	04011031			
G4-26248B	12			05/10/979	C				YAKI	02/14/980	P-G CO																WELLS
2	NE4NW4, NESW4			DOMESTIC MULTIPLE					C	430.0	G	2				9.0							R				
				IRRIGATION					C	430.0	G	2				142.0				33.0			R	04011031			
G4-22895P	13			04/19/974					YAKI	02/24/976	YAKIMA CO DISP SIT																WELL
1	SE4 SW4 SW4			DOMESTIC SINGLE					C	700.0	G	3				2.0	2						R				
				FIRE PROTECTION					C	700.0	G	3				2.0	2						R				
				IRRIGATION					C	700.0	G	3				728.0				140.0			R	IS			
G4-26536B	13			01/24/980	C				YAKI	05/08/981	SERNA SILVINO																WELL
1	SE4NE4NE4			DOMESTIC SINGLE					C	100.0	G	3				2.0	2						R				
				STOCK WATERING					C	100.0	G	3				2.0	2						R				
				IRRIGATION					C	100.0	G	3				36.0				9.5			R	04011031			
G4-25648G	14			11/28/977					YAKI	05/19/978	BITTNER J E																WELL
1	SW4NW4			DOMESTIC MULTIPLE					C	540.0	G					448.0							R				
G4-26519ABL	14			01/08/980	R				YAKI	/ /	TERRACED ESTATES W																WELL
1	SW4NW4			DOMESTIC MULTIPLE					C	1800.0	G																
G4-28512P	14			08/06/984					YAKI	03/11/985	WATKINS THEODOR D																WELL
1	NE4NE4			DOMESTIC MULTIPLE					C	200.0	G					40.0							KR				
G4*07631C	15 07631	07295	05962	05/26/965					YAKI	12/28/965	WOLFE J A																WELL
1	L30 SUNNYVIEW ADDN			DOMESTIC MULTIPLE					C	300.0	G	2				39.0	2						AHMT				
				FIRE PROTECTION					C	300.0	G	2				39.0	2						AMT				
G3+00621C	16 11867			05/05/971					YAKI	06/06/973	TOOP WATER ASSOC I																WELL
1	L1B2 PL BUTTERFIELD SUB HOME			DOMESTIC MULTIPLE					C	30.0	G					26.0							R				
G3+01061C	16 12412	-----		01/20/972					YAKI	01/21/974	EAST RIDGE PK WTR																WELL
1	L 9 PL E RIDGE PK			DOMESTIC MULTIPLE					C	275.0	G					56.5			S				HR$				
G3+20660C	16			12/08/972					YAKI	07/11/975	BUTTERFIELD WATER																WELL
1	PL BUT SUB HMS S2 NW4			DOMESTIC MULTIPLE					C	12.0	G					19.0							R$				
G4*00499C	16 00499	00594	00577	04/04/947					YAKI	01/14/948	NEAL R E																WELL
1	E2SE4NE4SE4			DOMESTIC MULTIPLE					C	40.0	G	2				21.0											
				IRRIGATION					C	40.0	G	2				10.0				6.0				IS			
G4*00547C	16 00547	00471	00080	05/31/947					YAKI	07/25/947	HARDY D M																WELL
1	NE4SE4NE4			DOMESTIC SINGLE					C	100.0	G	2				80.0	2										
				IRRIGATION					C	100.0	G	2				80.0	2			20.0				IS			
G4*00617S	16 00617		00856	00/00/904					YAKI	/ /	BUTTERFIELD WTR AS																WELL
1	L20 BL1 BUTTERFIELD SUBURBAN			DOMESTIC MULTIPLE					C	8.5	G					10.0											
G4*01738C	16 01738	01624	00672	12/01/950					YAKI	04/13/951	HARDY R M																WELL
1	SE4NE4			DOMESTIC SINGLE					C	160.0	G	2				120.0	2						A				
				IRRIGATION					C	160.0	G	2				120.0	2			30.0			EA	IS			
G4*01974C	16 01974	01828	02295	05/24/951					YAKI	09/07/951	ANDERSON J																WELL
1	SW4 SE4			DOMESTIC MULTIPLE					C	10.0	G					16.15			U								
G4*06077P	16 06077	05755		10/10/961	C				YAKI	01/26/962	HAMMERSTAD L H																WELL
2	L32-34 VALLEY VIEW ADDN			DOMESTIC MULTIPLE					C	400.0	G			S		72.0	2		S				AN				
				DOMESTIC MULTIPLE					C	200.0	G					72.0	2						AN				
G4*07037C	16 07037	06564	05210	02/25/964	Q				YAKI	05/08/964	HARDY D M																WELL
1	NE4NE4NW4			IRRIGATION					C	300.0	G					240.0				60.0			AE	IS			
G4*07835C	16 07835	07332	06411	10/25/965					YAKI	01/18/966	CASCADIA PK WTR CO																WELL
1	L30 CASCADIA PARK			DOMESTIC MULTIPLE					C	165.0	G					44.0							H				
G4*08272P	16 08272	07710		08/26/966	C				YAKI	12/08/966	TERRACE PK WTR CO																WELL
1	SE4			DOMESTIC MULTIPLE					C	100.0	G					22.0											
G4*12347A	16 12347			12/16/971	R				YAKI	/ /	E RIDGE PK WTR CO																WELL
1	NE4SE4			DOMESTIC MULTIPLE					C	800.0	G																

Laucks Since 1908
Testing Laboratories, Inc.
940 South Harney St., Seattle, WA 98108 (206) 767-5060 FAX (206) 767-5063
Chemistry, Microbiology, and Technical Services

Certificate of Analysis

CLIENT: Yakima Health District
104 N. 1st St.
Yakima, WA 98901

Work Order# : 97-05-254
DATE RECEIVED : 05/09/97
DATE OF REPORT: 05/20/97

ATTN : Ted Silvestri or Art

Work ID : Old Yakima Landfill
Taken By : Client
Transported by: Pony Exp
Type : Water

SAMPLE IDENTIFICATION:

	Sample Description			Sample Description	
01	OYL-1	05/08/97 10:45	04	EX33A-1	05/08/97 13:00
02	OYL-2	05/08/97 11:20	05	Trip Blank	
03	EX33A-2	05/08/97 12:20			

COMMENTS ON VOLATILES ANALYSIS:

Analysis of sample -05 (trip blank) resulted in the detection of methylene chloride above the reporting limit. The presence of this analyte may be due to possible laboratory contamination since methylene chloride is a common laboratory solvent.

Sample -04 was not preserved (pH = 6).

FLAGGING:

The flag "U" indicates the analyte of interest was not detected, to the limit of detection indicated.

The flag "J" indicates the analyte of interest was detected below the routine reporting limit. This value should be regarded as an estimate.

ATTACHMENTS:

Following presentation of sample results, the following appendices are attached

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CLIENT : Yakima Health District

Certificate of Analysis

Work Order# : 97-05-254

to this report:

Appendix A: Method Blank and Surrogate Recovery Report
Appendix B: MS/MSD and Duplicate Report
Appendix C: Blank Spike and Standard Reference Material Report
Appendix D: Chain-of-Custody

Unless otherwise instructed all samples will be discarded on 07/07/97

Respectfully submitted,
Laucks Testing Laboratories, Inc.

Jim Owens

J. M. Owens

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Chemistry, Microbiology, and Technical Services

CLIENT : Yakima Health District

Certificate of Analysis

Work Order # 97-05-254

TESTS PERFORMED AND RESULTS:

Analyte	Units	01	02	03	04
Aluminum (Method 6010)	mg/L	20.	29.	180.	0.88
Antimony (Method 6010)	mg/L	0.03 U	0.03 U	0.06 U	0.006 U
Arsenic (Method 6010)	mg/L	0.1 U	0.1 U	0.2 U drinking water	0.02 U
Barium (Method 6010)	mg/L	0.13	0.29	1.2	0.23
Beryllium (Method 6010)	mg/L	0.005 U	0.005 U	0.01 U	0.001 U
Cadmium (Method 6010)	mg/L	0.01 U	0.01 U	0.02 U	0.002 U
Calcium (Method 6010)	mg/L	19.	21.	180.	95.
Chloride	mg/L	2.	7.	77. Method A	110.
Chromium (Method 6010)	mg/L	0.028	0.022	0.22	0.012
Cobalt (Method 6010)	mg/L	0.046	0.02 U	0.13	0.013
Copper (Method 6010)	mg/L	0.031	0.12	0.53	0.015
Fluoride (Method 300.0)	mg/L	0.3	0.3	1.0	2. U
Iron (Method 6010)	mg/L	34. drinking water	42. drinking water	440. drinking water	23. drinking water
Lead (Method 6010)	mg/L	0.025 U	0.28	0.45	0.24
Magnesium (Method 6010)	mg/L	9.2	10.	86.	61.
Manganese (Method 6010)	mg/L	1.5	0.66	14.	0.24
Mercury (Method 6010)	mg/L	0.05 U	0.05 U	0.1 U	0.01 U

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CLIENT : Yakima Health District

Certificate of Analysis

Work Order # 97-05-254
Continued From Above

TESTS PERFORMED AND RESULTS:

Analyte	Units	01	02	03	04
Nickel (Method 6010)	mg/L	0.048	0.047	0.25	0.011
Nitrate as N (EPA 300.0)	mg/L	0.6	0.9	0.2 U	0.5
Potassium (Method 6010)	mg/L	3.2	6.6	41.	180.
Selenium (Method 6010)	mg/L	0.1 U	0.1 U	0.2 U	0.02 U
Silver (Method 6010)	mg/L	0.005 U	0.005 U	0.01 U	0.005 U
Sodium (Method 6010)	mg/L	8.4	15.	70.	220.
Sulfate (SO4)	mg/L	14.	34.	3.	5.
TPH (Method EP 418.1)	mg/L	2.5	1. U	1. U	1.3
Thallium (Method 6010)	mg/L	0.1 U	0.1 U	0.2 U	0.02 U
Total Dissolved Solids	mg/L	93.	260.	620.	1600.
Total Organic Carbon	mg/L	3.3	2.3	33.	140.
Vanadium (Method 6010)	mg/L	0.09	0.10	0.91	0.005 U
Zinc (Method 6010)	mg/L	0.061	0.46	0.74	0.91

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Chemistry, Microbiology, and Technical Services

REPORT ON SAMPLE: 9705254-01A
Client Sample ID: OYL-1

Collection Date : 05/08/97
Date Received : 05/09/97
Date Analyzed : 05/12/97
Date Confirmed : 05/20/97

Test Code : 8260_W
Test Method : SW 8260
Report Units : ug/L

Analyte	Result	RL	Analyte	Result	RL
Dichlorodifluoromethane ..	3 U	3	Trichloroethene	3 U	3
Chloromethane	3 U	3	1,2-Dichloropropane	3 U	3
Vinyl chloride	3 U	3	Bromodichloromethane	3 U	3
Bromomethane	3 U	3	cis-1,3-Dichloropropene ..	3 U	3
Chloroethane	3 U	3	4-Methyl-2-pentanone	5 U	5
Trichlorofluoromethane ...	3 U	3	Toluene	3 U	3
1,1-Dichloroethene.....	3 U	3	trans-1,3-Dichloropropene.	3 U	3
Acetone	5 U	5	1,1,2-Trichloroethane	3 U	3
Carbon disulfide	3 U	3	Tetrachloroethene	3 U	3
Methylene chloride	3 U	3	2-Hexanone	5 U	5
trans-1,2-Dichloroethene .	3 U	3	Dibromochloromethane	3 U	3
1,1-Dichloroethane	3 U	3	Chlorobenzene	3 U	3
cis-1,2-Dichloroethene ...	3 U	3	Ethylbenzene	3 U	3
2-Butanone	5 U	5	m,p-Xylenes	3 U	3
Chloroform	3 U	3	o-Xylene	3 U	3
1,1,1-Trichloroethane	3 U	3	Styrene	3 U	3
Carbon tetrachloride	3 U	3	Bromoform	3 U	3
Benzene	3 U	3	1,1,2,2-Tetrachloroethane.	3 U	3
1,2-Dichloroethane.....	3 U	3			

Surrogate recovery report for sample 9705254-01A

Surrogate	Percent Recovery	Limits: Min.	Max.
d4-1,2-Dichloroethane	102	60	140
d8-Toluene	102	60	140
p-Bromofluorobenzene	88	60	140

* = Indicates that recovery is outside control limits

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REPORT ON SAMPLE: 9705254-02A
Client Sample ID: OYL-2

Collection Date : 05/08/97
Date Received : 05/09/97
Date Analyzed : 05/12/97
Date Confirmed : 05/20/97

Test Code : 8260_W
Test Method : SW 8260
Report Units : ug/L

Analyte	Result	RL	Analyte	Result	RL
Dichlorodifluoromethane ..	3 U	3	Trichloroethene	3 U	3
Chloromethane	3 U	3	1,2-Dichloropropane	3 U	3
Vinyl chloride	3 U	3	Bromodichloromethane	3 U	3
Bromomethane	3 U	3	cis-1,3-Dichloropropene ..	3 U	3
Chloroethane	3 U	3	4-Methyl-2-pentanone	5 U	5
Trichlorofluoromethane ...	3 U	3	Toluene	3 U	3
1,1-Dichloroethene.....	3 U	3	trans-1,3-Dichloropropene.	3 U	3
Acetone	5 U	5	1,1,2-Trichloroethane	3 U	3
Carbon disulfide	3 U	3	Tetrachloroethene	3 U	3
Methylene chloride	3 U	3	2-Hexanone	5 U	5
trans-1,2-Dichloroethene .	3 U	3	Dibromochloromethane	3 U	3
1,1-Dichloroethane	3 U	3	Chlorobenzene	3 U	3
cis-1,2-Dichloroethene ...	3 U	3	Ethylbenzene	3 U	3
2-Butanone	5 U	5	m,p-Xylenes	3 U	3
Chloroform	3 U	3	o-Xylene	3 U	3
1,1,1-Trichloroethane	3 U	3	Styrene	3 U	3
Carbon tetrachloride	3 U	3	Bromoform	3 U	3
Benzene	3 U	3	1,1,2,2-Tetrachloroethane.	3 U	3
1,2-Dichloroethane.....	3 U	3.			

Surrogate recovery report for sample 9705254-02A

Surrogate	Percent Recovery	Limits: Min.	Max.
d4-1,2-Dichloroethane	101	60	140
d8-Toluene	100	60	140
p-Bromofluorobenzene	92	60	140

* = Indicates that recovery is outside control limits

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REPORT ON SAMPLE: 9705254-03A
Client Sample ID: EX33A-2

Collection Date : 05/08/97
Date Received : 05/09/97
Date Analyzed : 05/13/97
Date Confirmed : 05/20/97

Test Code : 8260_W
Test Method : SW 8260
Report Units : ug/L

Analyte	Result	RL	Analyte	Result	RL
Dichlorodifluoromethane ..	3 U	3	Trichloroethene	3 U	3
Chloromethane	3 U	3	1,2-Dichloropropane	3 U	3
Vinyl chloride	3 U	3	Bromodichloromethane	3 U	3
Bromomethane	3 U	3	cis-1,3-Dichloropropene ..	3 U	3
Chloroethane	3 U	3	4-Methyl-2-pentanone	5 U	5
Trichlorofluoromethane ...	3 U	3	Toluene	3 U	3
1,1-Dichloroethene.....	3 U	3	trans-1,3-Dichloropropene.	3 U	3
Acetone	5 U	5	1,1,2-Trichloroethane	3 U	3
Carbon disulfide	3 U	3	Tetrachloroethene	3 U	3
Methylene chloride	3 U	3	2-Hexanone	5 U	5
trans-1,2-Dichloroethene .	3 U	3	Dibromochloromethane	3 U	3
1,1-Dichloroethane	3 U	3	Chlorobenzene	7	3
cis-1,2-Dichloroethene ...	3 U	3	Ethylbenzene	3 U	3
2-Butanone	5 U	5	m,p-Xylenes	3 U	3
Chloroform	3 U	3	o-Xylene	3 U	3
1,1,1-Trichloroethane	3 U	3	Styrene	3 U	3
Carbon tetrachloride	3 U	3	Bromoform	3 U	3
Benzene	3 U	3	1,1,2,2-Tetrachloroethane.	3 U	3
1,2-Dichloroethane.....	3 U	3			

Surrogate recovery report for sample 9705254-03A

Surrogate	Percent Recovery	Limits: Min.	Max.
d4-1,2-Dichloroethane	103	60	140
d8-Toluene	101	60	140
p-Bromofluorobenzene	90	60	140

* = Indicates that recovery is outside control limits

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Chemistry, Microbiology, and Technical Services

REPORT ON SAMPLE: 9705254-04A
Client Sample ID: EX33A-1

Collection Date : 05/08/97
Date Received : 05/09/97
Date Analyzed : 05/13/97
Date Confirmed : 05/20/97

Test Code : 8260_W
Test Method : SW 8260
Report Units : ug/L

Analyte	Result	RL
Dichlorodifluoromethane ..	3 U	3
Chloromethane	3 U	3
Vinyl chloride	3 U	3
Bromomethane	3 U	3
Chloroethane	3 U	3
Trichlorofluoromethane ...	3 U	3
1,1-Dichloroethene.....	3 U	3
Acetone	5 U	5
Carbon disulfide	3 U	3
Methylene chloride	3 U	3
trans-1,2-Dichloroethene .	3 U	3
1,1-Dichloroethane	3 U	3
cis-1,2-Dichloroethene ...	3 U	3
2-Butanone	5 U	5
Chloroform	3 U	3
1,1,1-Trichloroethane	3 U	3
Carbon tetrachloride	3 U	3
Benzene	3	3
1,2-Dichloroethane.....	3 U	3

Analyte	Result	RL
Trichloroethene	3 U	3
1,2-Dichloropropane	3 U	3
Bromodichloromethane	3 U	3
cis-1,3-Dichloropropene ..	3 U	3
4-Methyl-2-pentanone	5 U	5
Toluene	3 U	3
trans-1,3-Dichloropropene.	3 U	3
1,1,2-Trichloroethane	3 U	3
Tetrachloroethene	3 U	3
2-Hexanone	5 U	5
Dibromochloromethane	3 U	3
Chlorobenzene	81	3
Ethylbenzene	3 U	3
m,p-Xylenes	1 J	3
o-Xylene	1 J	3
Styrene	3 U	3
Bromoform	3 U	3
1,1,2,2-Tetrachloroethane.	3 U	3

Surrogate recovery report for sample 9705254-04A

Surrogate	Percent Recovery	Limits: Min.	Max.
d4-1,2-Dichloroethane	104	60	140
d8-Toluene	101	60	140
p-Bromofluorobenzene	92	60	140

* = Indicates that recovery is outside control limits

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REPORT ON SAMPLE: 9705254-05A
Client Sample ID: Trip Blank

Collection Date : N/A
Date Received : 05/09/97
Date Analyzed : 05/13/97
Date Confirmed : 05/20/97

Test Code : 8260_W
Test Method : SW 8260
Report Units : ug/L

Analyte	Result	RL	Analyte	Result	RL
Dichlorodifluoromethane ..	3 U	3	Trichloroethene	3 U	3
Chloromethane	3 U	3	1,2-Dichloropropane	3 U	3
Vinyl chloride	3 U	3	Bromodichloromethane	3 U	3
Bromomethane	3 U	3	cis-1,3-Dichloropropene ..	3 U	3
Chloroethane	3 U	3	4-Methyl-2-pentanone	5 U	5
Trichlorofluoromethane ...	3 U	3	Toluene	3 U	3
1,1-Dichloroethene.....	3 U	3	trans-1,3-Dichloropropene.	3 U	3
Acetone	5 U	5	1,1,2-Trichloroethane	3 U	3
Carbon disulfide	3 U	3	Tetrachloroethene	3 U	3
Methylene chloride	1 J	3	2-Hexanone	5 U	5
trans-1,2-Dichloroethene .	3 U	3	Dibromochloromethane	3 U	3
1,1-Dichloroethane	3 U	3	Chlorobenzene	3 U	3
cis-1,2-Dichloroethene ...	3 U	3	Ethylbenzene	3 U	3
2-Butanone	5 U	5	m,p-Xylenes	3 U	3
Chloroform	3 U	3	o-Xylene	3 U	3
1,1,1-Trichloroethane	3 U	3	Styrene	3 U	3
Carbon tetrachloride	3 U	3	Bromoform	3 U	3
Benzene	3 U	3	1,1,2,2-Tetrachloroethane.	3 U	3
1,2-Dichloroethane.....	3 U	3			

Surrogate recovery report for sample 9705254-05A

Surrogate	Percent Recovery	Limits: Min.	Max.
d4-1,2-Dichloroethane	102	60	140
d8-Toluene	102	60	140
p-Bromofluorobenzene	91	60	140

* = Indicates that recovery is outside control limits

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Appendix A

Method Blank and Surrogate Recovery Report

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Quality Control Report
Method Blanks for Work Order 9705254

Blank Name	Samples Verified	Test Description	Result	Units	Control Limit
B050997_IAI_W01	1-4	Chloride by Ion Chromatography	1.0 U	mg/L	2.0
		Fluoride by Ion Chromatography	0.20 U		0.40
		Nitrate by Ion Chromatography	0.20 U		0.40
		Sulfate by Ion Chromatography	1.0 U		2.0
B051297_ICP_W01	01-04	Silver by ICP	0.0010 U	mg/L	0.0020
		Aluminum by ICP	0.010 U		0.050
		Arsenic by ICP	0.020 U		0.040
		Barium by ICP	0.0020 U		0.0040
		Beryllium by ICP	0.0010 U		0.0020
		Calcium by ICP	0.10 U		0.20
		Cadmium by ICP	0.0010 U		0.0020
		Cobalt by ICP	0.0050 U		0.010
		Chromium by ICP	0.0010 U		0.0020
		Copper by ICP	0.0010 U		0.0020
		Iron by ICP	0.010 U		0.050
		Mercury by ICP	0.010 U		0.050
		Potassium by ICP	0.10 U		0.20
		Magnesium by ICP	0.10 U		0.20
		Manganese by ICP	0.0010 U		0.0020
		Sodium by ICP	0.10 U		0.20
		Nickel by ICP	0.0020 U		0.0040
		Lead by ICP	0.0050 U		0.010
		Antimony by ICP	0.0060 U		0.012
		Selenium by ICP	0.020 U		0.040
		Thallium by ICP	0.020 U		0.040
		Vanadium by ICP	0.0050 U		0.010
		Zinc by ICP	0.0015		0.0050
B051397_OG_W02	1-4	IR Total Recoverable Oil and Grease	0.50 U	mg/L	1.0
B051497_IAI_W01	4	Chloride by Ion Chromatography	1.0 U	mg/L	2.0
		Fluoride by Ion Chromatography	0.20 U		0.40

A method blank can validate more than one analyte on more than one work order. The method blanks in this report may validate analytes not determined on this work order, but nonetheless determined in the associated blank.

Because they validate more than one work order, method blank results are not always reported in the same concentration units or to the same detection limits that are used for sample results.

* = blank exceeds control limit

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Quality Control Report
Method Blanks for Work Order 9705254

Blank Name	Samples Verified	Test Description	Result	Units	Control Limit
		Nitrite by ion chromatography	0.10 U		0.20
		Nitrate by Ion Chromatography	0.20 U		0.40
		Sulfate by Ion Chromatography	1.0 U		2.0
B051497_TDS_W01	1-4	Total Dissolved Solids	2.0 U	mg/L	4.0
B051697_TOC_W01	1-4	Total Organic Carbon	1.0 U	mg/L	1.0
B051697_TOC_W02	1-4	Total Organic Carbon	1.0 U	mg/L	1.0
B051297_MVO_W02	1,2	Dichlorodifluoromethane	3.0 U	ug/L	3.0
		Chloromethane	3.0 U		3.0
		Vinyl chloride	3.0 U		3.0
		Bromomethane	3.0 U		3.0
		Chloroethane	3.0 U		3.0
		Trichlorofluoromethane	3.0 U		3.0
		1,1-Dichloroethene	3.0 U		3.0
		Acetone	5.0 U		25
		Carbon disulfide	3.0 U		3.0
		Methylene chloride	3.0 U		15
		trans-1,2-Dichloroethene	3.0 U		3.0
		1,1-Dichloroethane	3.0 U		3.0
		cis-1,2-Dichloroethene	3.0 U		3.0
		2-Butanone	5.0 U		25
		Chloroform	3.0 U		3.0
		1,1,1-Trichloroethane	3.0 U		3.0
		Carbon tetrachloride	3.0 U		3.0
		Benzene	3.0 U		3.0
		1,2-Dichloroethane	3.0 U		3.0
		Trichloroethene	3.0 U		3.0
		1,2-Dichloropropane	3.0 U		3.0
		Bromodichloromethane	3.0 U		3.0
		cis-1,3-Dichloropropene	3.0 U		3.0
		4-Methyl-2-pentanone	5.0 U		5.0

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* = blank exceeds control limit

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Quality Control Report
Method Blanks for Work Order 9705254

Blank Name	Samples Verified	Test Description	Result	Units	Control Limit
		Toluene	3.0 U		3.0
		trans-1,3-Dichloropropene	3.0 U		3.0
		1,1,2-Trichloroethane	3.0 U		3.0
		Tetrachloroethene	3.0 U		3.0
		2-Hexanone	5.0 U		5.0
		Dibromochloromethane	3.0 U		3.0
		Chlorobenzene	3.0 U		3.0
		Ethylbenzene	3.0 U		3.0
		m,p-Xylenes	3.0 U		3.0
		o-Xylene	3.0 U		3.0
		Styrene	3.0 U		3.0
		Bromoform	3.0 U		3.0
		1,1,2,2-Tetrachloroethane	3.0 U		3.0
B051397_MVO_W01	1-5	Dichlorodifluoromethane	3.0 U	ug/L	3.0
		Chloromethane	3.0 U		3.0
		Vinyl chloride	3.0 U		3.0
		Bromomethane	3.0 U		3.0
		Chloroethane	3.0 U		3.0
		Trichlorofluoromethane	3.0 U		3.0
		1,1-Dichloroethene	3.0 U		3.0
		Acetone	5.0 U		25
		Carbon disulfide	3.0 U		3.0
		Methylene chloride	3.0 U		15
		trans-1,2-Dichloroethene	3.0 U		3.0
		1,1-Dichloroethane	3.0 U		3.0
		cis-1,2-Dichloroethene	3.0 U		3.0
		2-Butanone	5.0 U		25
		Chloroform	3.0 U		3.0
		1,1,1-Trichloroethane	3.0 U		3.0
		Carbon tetrachloride	3.0 U		3.0

A method blank can validate more than one analyte on more than one work order. The method blanks in this report may validate analytes not determined on this work order, but nonetheless determined in the associated blank.

Because they validate more than one work order, method blank results are not always reported in the same concentration units or to the same detection limits that are used for sample results.

* = blank exceeds control limit

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Quality Control Report
Method Blanks for Work Order 9705254

Blank Name	Samples Verified	Test Description	Result	Units	Control Limit
		Benzene	3.0 U		3.0
		1,2-Dichloroethane	3.0 U		3.0
		Trichloroethene	3.0 U		3.0
		1,2-Dichloropropane	3.0 U		3.0
		Bromodichloromethane	3.0 U		3.0
		cis-1,3-Dichloropropene	3.0 U		3.0
		4-Methyl-2-pentanone	5.0 U		5.0
		Toluene	3.0 U		3.0
		trans-1,3-Dichloropropene	3.0 U		3.0
		1,1,2-Trichloroethane	3.0 U		3.0
		Tetrachloroethene	3.0 U		3.0
		2-Hexanone	5.0 U		5.0
		Dibromochloromethane	3.0 U		3.0
		Chlorobenzene	3.0 U		3.0
		Ethylbenzene	3.0 U		3.0
		m,p-Xylenes	3.0 U		3.0
		o-Xylene	3.0 U		3.0
		Styrene	3.0 U		3.0
		Bromoform	3.0 U		3.0
		1,1,2,2-Tetrachloroethane	3.0 U		3.0

A method blank can validate more than one analyte on more than one work order. The method blanks in this report may validate analytes not determined on this work order, but nonetheless determined in the associated blank.

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* = blank exceeds control limit

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Quality Control Report
Multi-Component Method Blanks
Surrogate Recoveries for Work Order 9705254

Blank Name	Test Description	Surrogate Compound	Recov	LCL	UCL
B051297_MVO_W02	Method 8260 Volatiles	d4-1,2-Dichloroethane	101	60	140
		d8-Toluene	104	60	140
		p-Bromofluorobenzene	92	60	140
B051397_MVO_W01	Method 8260 Volatiles	d4-1,2-Dichloroethane	101	60	140
		d8-Toluene	97	60	140
		p-Bromofluorobenzene	93	60	140

* = Recovery exceeds control limit

Recov = Percent recovery of surrogate compound
LCL = Lower Control Limit
UCL = Upper Control Limit

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Appendix B

MS/MSD and Duplicate Report

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Quality Control Report
MS/MSD Report for Work Order 9705254

MS/MSD Name	Sample Fractions Verified	MS/MSD Sample	Analyte	Percent Recovery MS	MSD	RPD	Cont. Limits LCL	UCL	RPD
K050997_IAIW01	1-4	9705216-04	Chloride (EPA 300.0)	90	88	2	73	121	11
			Nitrate as N (EPA 300.0)	99	96	3	79	117	10
			Sulfate as SO4 (EPA 300.0)	101	99	2	81	115	10
			Fluoride (EPA 300.0)	88	82	8	66	121	11
K051297_ICPW01	01-04	9705188-01	Silver	94	90	4	50	133	16
			Aluminum	102	103	1	50	147	27
			Arsenic	100	100	0	82	122	11
			Barium	96	95	1	76	112	16
			Beryllium	102	100	2	79	132	10
			Calcium	104	114	9	50	150	30
			Cadmium	88	90	2	70	127	14
			Cobalt	89	89	0	81	115	16
			Chromium	92	92	0	75	117	21
			Copper	96	96	0	77	116	10
			Iron	107	99	8	50	150	30
			Mercury	93	94	1	64	115	13
			Potassium	98	98	0	75	123	12
			Magnesium	100	104	4	50	150	22
			Manganese	96	98	2	59	131	30
			Sodium	102	100	2	50	150	29
			Nickel	88	88	0	77	115	10
			Lead	87	86	1	69	127	18
			Antimony	94	92	2	71	131	29
			Selenium	100	98	2	74	137	24

* = Value Exceeds Control Limit
RPD = Relative Percent Difference
LCL = Lower Control Limit
UCL = Upper Control Limit
-1 for recovery value indicates that recovery could not be calculated

An MS/MSD pair can validate the results for more than one work order. For this reason, results for analytes not requested on this work order may appear in this MS/MSD report.

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Quality Control Report
MS/MSD Report for Work Order 9705254

MS/MSD Name	Sample Fractions Verified	MS/MSD Sample	Analyte	Percent Recovery MS	MSD	RPD	Cont. Limits LCL	UCL	RPD
			Thallium	87	88	1	72	113	10
			Vanadium	95	95	0	84	115	17
			Zinc	89	93	4	68	131	20
K051397_MVOW01	1-4	9705008-04	1,1-Dichloroethene	94	92	2	60	140	30
			Trichloroethene	85	88	3	60	140	30
			Benzene	82	84	2	60	140	30
			Toluene	76	79	4	60	140	30
			Chlorobenzene	77	82	6	60	140	30
K051397_OGW02	1-4	9705041-02	Total Oil and Grease (IR)	85	98	14	71	119	15
K051397_OGW04	1-4	9705041-02	TPH Oil and Grease (IR)	84	86	1	71	119	15
K051497_IAIW01	4	9705321-02	Chloride (EPA 300.0)	90	84	6	73	121	11
			Nitrate as N (EPA 300.0)	93	91	2	79	117	10
			Sulfate as SO4 (EPA 300.0)	89	90	1	81	115	10
			Fluoride (EPA 300.0)	80	82	2	66	121	11
			Nitrite as N	130	130	0	50	150	30
K051697_TOCW01	1-4	9705166-02	Total Organic Carbon	103	100	3	70	119	11

* = Value Exceeds Control Limit
RPD = Relative Percent Difference
LCL = Lower Control Limit
UCL = Upper Control Limit
-1 for recovery value indicates that recovery could not be calculated

An MS/MSD pair can validate the results for more than one work order. For this reason, results for analytes not requested on this work order may appear in this MS/MSD report.

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Quality Control Report
Duplicate Report for Work Order 9705254

Duplicate Name	Sample Fractions Verified	Sample	Analyte	RPD	Limit
D051497_TDSW01	1-4	9705254-01	Total Dissolved Solids	0	30

* = Value Exceeds Control Limit
RPD = Relative Percent Difference
L = RPD control limit for this analyte is 5x the detection limit. The value appearing in the RPD column is the absolute difference of the duplicates.
-1 for recovery value indicates that recovery could not be calculated

A duplicate pair can validate the results for more than one work order. For this reason, results for analytes not requested on this work order may appear in this duplicate report.

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Appendix C

Blank Spike and Standard Reference Material Report

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Quality Control Report
Blank Spike Report for Work Order 9705254

Blank Spike Names						
Database	Lab Assigned	Fractions Verified	Analyte Name	Recov	LCL	UCL
S051297_ICPW01	BS051297ICPW	01-04	Aluminum	100	50	147
			Antimony	95	71	131
			Arsenic	102	82	122
			Barium	98	76	112
			Beryllium	100	79	132
			Cadmium	96	70	127
			Calcium	96	50	150
			Chromium	98	75	117
			Cobalt	96	81	115
			Copper	98	77	116
			Iron	101	50	150
			Lead	98	69	127
			Magnesium	96	50	150
			Manganese	97	59	131
			Mercury	92	64	115
			Nickel	95	77	115
			Potassium	96	75	123
			Selenium	102	74	137
			Silver	84	50	133
			Sodium	98	50	150
			Thallium	94	72	113
			Vanadium	98	84	115
			Zinc	98	68	131
S051297_MVOW01	S051297MVOWF	1,2	1,1-Dichloroethene	126	60	140
			Benzene	103	60	140
			Chlorobenzene	100	60	140
			Toluene	100	60	140
			Trichloroethene	108	60	140
S051397_MVOW01	S051397MVOWO		1,1,1,2-Tetrachloroethane	92	60	140
			1,1,1-Trichloroethane	96	60	140
			1,1,2,2-Tetrachloroethane	105	60	140
			1,1,2-Trichloroethane	94	60	140

* = Value Exceeds Control Limit
LCL = Lower Control Limit
UCL = Upper Control Limit

A blank spike can validate the results for more than one work order. For this reason, results for analytes not requested on this work order may appear in this blank spike report.

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Quality Control Report
Blank Spike Report for Work Order 9705254

Blank Spike Names Database	Lab Assigned	Fractions Verified	Analyte Name	Recov	LCL	UCL
			1,1-Dichloroethane	95	60	140
			1,1-Dichloroethene	101	60	140
			1,1-Dichloropropene	97	60	140
			1,2,3-Trichlorobenzene	84	60	140
			1,2,3-Trichloropropane	112	60	140
			1,2,4-Trichlorobenzene	92	60	140
			1,2,4-Trimethylbenzene	108	60	140
			1,2-Dibromo-3-chloropropane	72	60	140
			1,2-Dibromoethane	92	60	140
			1,2-Dichlorobenzene	90	60	140
			1,2-Dichloroethane	91	60	140
			1,2-Dichloropropane	94	60	140
			1,3,5-Trimethylbenzene	107	60	140
			1,3-Dichlorobenzene	90	60	140
			1,3-Dichloropropane	98	60	140
			1,4-Dichlorobenzene	93	60	140
			2,2-Dichloropropane	84	60	140
			2-Chlorotoluene	94	60	140
			4-Chlorotoluene	92	60	140
			Benzene	95	60	140
			Bromobenzene	103	60	140
			Bromochloromethane	94	60	140
			Bromodichloromethane	96	60	140
			Bromoform	93	60	140
			Bromomethane	95	60	140
			Carbon Tetrachloride	93	60	140
			Chlorobenzene	93	60	140
			Chloroethane	101	60	140
			Chloroform	95	60	140
			Chloromethane	94	60	140
			Dibromochloromethane	94	60	140
			Dibromomethane	96	60	140

* = Value Exceeds Control Limit
LCL = Lower Control Limit
UCL = Upper Control Limit

A blank spike can validate the results for more than one work order. For this reason, results for analytes not requested on this work order may appear in this blank spike report.

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Quality Control Report
Blank Spike Report for Work Order 9705254

Blank Spike Names Database	Lab Assigned	Fractions Verified	Analyte Name	Recov	LCL	UCL
			Dichlorodifluoromethane	87	60	140
			Ethylbenzene	93	60	140
			Hexachlorobutadiene	77	60	140
			Isopropylbenzene	78	60	140
			Isopropyltoluene	90	60	140
			Methylene Chloride	122	60	140
			Naphthalene	68	60	140
			Styrene	87	60	140
			Tetrachloroethene	95	60	140
			Toluene	98	60	140
			Trichloroethene	96	60	140
			Trichlorofluoromethane	99	60	140
			Vinyl Chloride	102	60	140
			cis-1,2-Dichloroethene	98	60	140
			cis-1,3-Dichloropropene	90	60	140
			m,p-Xylenes	88	60	140
			n-Butylbenzene	97	60	140
			n-Propylbenzene	85	60	140
			o-Xylene	88	60	140
			sec-Butylbenzene	80	60	140
			tert-Butylbenzene	82	60	140
			trans-1,2-Dichloroethene	100	60	140
			trans-1,3-Dichloropropene	88	60	140
S051397_MVOW02	S051397MVOWF	3-5	1,1-Dichloroethene	126	60	140
			Benzene	104	60	140
			Chlorobenzene	100	60	140
			Toluene	97	60	140
			Trichloroethene	106	60	140
S051397_OGW02	051397OGW02	1-4	TPH Oil and Grease	90	71	119

* = Value Exceeds Control Limit
LCL = Lower Control Limit
UCL = Upper Control Limit

A blank spike can validate the results for more than one work order. For this reason, results for analytes not requested on this work order may appear in this blank spike report.

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Quality Control Report
Standard Reference Material Report for Work Order 9705254

SRM Name	Fractions Verified	Analyte	Result	Units	TV	LCL	UCL
R050997_IAIW01	1-4	Fluoride	18.5	MG/L	20.2	18.2	22.2
		Chloride	29.3		30.1	27.1	33.1
		Nitrate	21.8		22.4	20.1	24.6
		Sulfate	161		150	135	165
R051497_IAIW01	4	Fluoride	19.8	MG/L	20.2	18.2	22.2
		Chloride	29.5		30.1	27.1	33.1
		Nitrate	20.6		22.4	20.1	24.6
		Sulfate	146		150	135	165
R051497_RESW01	1-4	Total Dissolved Solids	554	MG/L	554	514	595
R051697_TOCW01	1-4	Total Organic Carbon	6.83	MG/L	6.12	3.50	9.32

* = Value Not Within Established Control Limit
TV = True Value
LCL = Lower Control Limit
UCL = Upper Control Limit

A Standard Reference Material can validate the results for more than one work order. For this reason, results for analytes not requested on this work order may appear in this SRM report.

Laucks Since 1908
Testing Laboratories, Inc.
940 South Harney St., Seattle, WA 98108 (206) 767-5060 FAX (206) 767-5063
Chemistry, Microbiology, and Technical Services

Appendix D

Chain-of-Custody

THIS INFORMATION WILL BE USED FOR REPORTING/BILLING* (SEE BELOW)

COMPANY: Yakima Health District
ADDRESS: 104 N. 1st St.
Yakima, Wa 98901
ATTENTION: Ted Silvestri
PROJECT NAME: Old Yakima Landfill
PROJECT CONTACT: Ted Silvestri / Art McEwen
TELEPHONE: 575-4040 FAX: 575-4362
JOB/P.O. NO.:

CHAIN OF CUSTODY RECORD

01326

SDG # _____

PAGE 1 OF 1

WORK ORDER ID# 9705254

SUBMITTED AT:

Laucks Testing Laboratories, Inc.

☐ 940 South Harney St., Seattle, WA 98108 (206) 767-5060 FAX 767-5063
☒ 1106 Ledwich Ave., Yakima, WA 98902 (509) 248-4695 FAX 452-1265

TESTS TO PERFORM

LAB SA#	SAMPLE ID / LOCATION	DATE	TIME	MATRIX: WATER, SOIL OR SPECIFY	NO. OF CONTAINERS	6010 - 23 ICP	8260	418.1 (water)	300 - Cl, NO3 Soil	415.2	160.1	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
1)	OYL-1	5-8-97	10:45	water	8	✓	✓	✓	✓	✓	✓	VOC's Sent by Ground in another Cooler
2)	OYL-2	5-8-97	11:20	water	8	✓	✓	✓	✓	✓		
3)	EX37A-2	5-8-97	12:20	water	8	✓	✓	✓	✓	✓		
4)	EX37A-1	5-8-97	1:00	water	8	✓	✓	✓	✓	✓		

A. A standard turnaround time is assumed unless otherwise marked.

B. The laboratory may not be responsible for missed holding time for samples received with less than 50% of the analytical hold time remaining. Please contact the laboratory for further information.

INSTRUCTIONS

1. USE ONE LINE PER SAMPLE.
2. BE SPECIFIC IN TEST REQUESTS.
3. CHECK OFF TESTS TO BE PERFORMED FOR EACH SAMPLE.

***BILLING INFORMATION, IF DIFFERENT THAN ABOVE**

NAME ADDRESS

ATTN: CITY, STATE, ZIP

*** RUSH TURNAROUND IS SUBJECT TO PRIOR LABORATORY APPROVAL**

TOTAL NO. OF CONTAINERS

TURNAROUND REQUEST

☒ STD. 10-14 WORKING DAYS
☐ * 24-48 HRS. (100% SUR)
☐ * 72 HRS. (75% SUR)
☐ * 5 DAYS (50% SUR)
☐ OTHER: _____
☐ TEMP: _____
CUSTODY SEAL: ☐ Y ☐ N ☐ N/A

RELINQUISHED BY (SIGN AND PRINT)	DATE / TIME	RECEIVED BY (SIGN AND PRINT)	DATE / TIME
Ted Silvestri / Ted Silvestri	5-8-97 1:20	Ryan Stach	5/8/97 13:20
			5/9/97

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