STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

YAKIMA RAILROAD AREA
Bottled Water

In the Matter of compliance by U-Haul Company of Inland Northwest, Paxton Sales Corporation, Frank Wear Cleaners, Nu-Way Dry Cleaners, Cameron-Yakima Incorporated, CMX Corporation, Yakima County, and Briar Development Company with Chapter RCW 70.105D and the Rules and Regulations of the Washington Department of Ecology.

ENFORCEMENT ORDER

DE 92TC-C108

FSN 500

To:

Mr. Bryan Terjak, President
U-Haul Company
1108 South First Street
Yakima, Washingtn 98901

Mr. Kenneth Paxton
Paxton Sales Corporation
108 West Mead Avenue
Yakima, Washington 98902

Mr. G.A. Stoffers
Frank Wear Cleaners
106 South 3rd Avenue
Yakima, Washington 98902

Mr. Wallace Munly
Nu-Way Dry Cleaners
801 South 3rd Street
Yakima, Washington 98901

Mr. Dan Robinson
Cameron-Yakima, Incorporated
1414 South First Street
Yakima, Washington 98901

Mr. Randy Cluff
CMX Corporation
206 West Mead Avenue
Yakima, Washington 98902

Mr. Dan Hesse
Yakima County
128 North 2nd Street
Yakima, Washington 98901

Mr. Dale Henley
Briar Development Company
401 Harris Street
Bellingham, Washington 98225

EACH OF THE RESPONDENTS IS JOINTLY AND SEVERALLY RESPONSIBLE FOR OBLIGATIONS SET FORTH IN THIS ENFORCEMENT ORDER.

I.

Jurisdiction

This Enforcement Order is issued pursuant to the authority of RCW 70.105D.050(1).

II.

Statement of Facts

Based on currently known information, Ecology makes the following Statement of Facts:

2.1 The chemical tetrachloroethene (hereinafter referred to as "PCE"), a volatile organic compound, has been found in ground water or soil in an area in and around the City of Yakima, Washington, in concentrations in drinking water wells up to 31 parts per billion (ppb). PCE has been detected in ground water or soil in Sections 24, 25, and 36, Township 13 North, Range 18 East and in Sections 19, 29, 30, and 31, Township 13 North, Range 19 East, W.M.

2.2 The Washington Department of Health Advisory Level for drinking water is 4 ppb for PCE. The United States

Environmental Protection Agency Maximum Contaminant Level for drinking water is 5 ppb for PCE.

2.3 U-Haul Company of Inland Northwest, Paxton Sales Corporation, Frank Wear Cleaners, Nu-Way Dry Cleaners, Cameron-Yakima Incorporated, CMX Corporation, the County of Yakima, and Briar Development Company (hereinafter referred to as "the Respondents") are owners of property and/or operators on property within Sections 24, 25, and 36, Township 13 North, Range 18 East and Sections 19, 29, 30, 31, and 32, Township 13 North, Range 19 East W.M. on which soil has been confirmed by laboratory analysis to be contaminated with PCE. U-Haul of Inland Northwest, Frank Wear Cleaners, Nu-Way Dry Cleaners and CMX Corporation are operators on property within this area. Paxton Sales Corporation, Cameron-Yakima Incorporated, and Briar Development Company are both owners of and operators on property located within this area. The County of Yakima is an owner of property located within this area.

2.4 The water table in the Yakima area typically occurs at depths between 8 feet and 30 feet below ground surface. Wells exist which withdraw water used for drinking from this shallow unconfined aquifer.

2.5 The area contains deep, very well-drained soils formed in mixed alluvium. These soils have moderate to high permeabilities in the surface layers and very high permeabilities in the substratum.

2.6 The foregoing information is contained in the following documents:

(a) Black and Veatch Waste Management, Inc. October 25, 1988. "Draft Field Investigation Report, Cameron-Yakima, Inc. Site, Yakima, Washington." Prepared for Cameron-Yakima, Inc.

(b) Dames and Moore. April 19, 1988. "Phase II Site Exploration, West Coast Grocery, Yakima, Washington." Prepared for Briar Development Company.

(c) Ecology and Environment, Inc. 1989a. "Site Inspection Report for CMX Corporation, Yakima, Washington." Prepared for United States Environmental Protection Agency, Region X.

(d) Ecology and Environment, Inc. November 1989. "Site Inspection Report for Paxton Sales Corporation, Yakima, Washington." Prepared for United States Environmental Protection Agency, Region X.

(e) Ecology and Environment, Inc. January 1990. "Site Inspection Report for Nu-Way Cleaners, Yakima, Washington." Prepared for United States Environmental Protection Agency, Region X.

(f) Environmental Site Assessment Notification. March 7, 1991. Yakima County Public Works Department. "Phase II Environmental Site Assessment at the former Crest Linen Cleaners."

(g) Science Applications International Corporation. April 1989. "Preliminary Assessment Report, Frank Wear Cleaners." Prepared for Washington Department of Ecology.

(h) Sweet-Edwards/EMCON. July 30, 1991. "Preliminary Environmental Assessment, Yakima Valley Spray Site, Yakima, Washington." Prepared for U-Haul Co. of Inland Northwest.

(i) Ecology and Environment, Inc. December 10, 1989. "Final Report for Yakima Soil Gas Study, Yakima, Washington." Prepared for United States Environmental Protection Agency, Region X.

III

Ecology Determination

3.1 The Respondents named in this Order are "owners or operators" as defined at RCW 70.105D.020(6) of a "facility" as defined in RCW 70.105D.020(3).

3.2 The Facility is known as the Yakima Railroad Area, which consists of the area where PCE is known to have come to be located, within Sections 24, 25, and 36 of Township 13 North, Range 18 East and Sections 19, 29, 30, 31 and 32 of Township 13 North, Range 19 East W.M. The portions of the Facility that are owned or operated by the Respondents consist of the following real estate parcels, using the parcel numbering convention of the Yakima County Assessor's Office:

Parcel Number 19133042431
Parcel Number 19133042441
Parcel Number 19131943439
Parcel Number 19133122547
Parcel Number 19131922407
Parcel Number 19133232001
Parcel Number 19133232003
Parcel Number 19133232004
Parcel Number 19133232006
Parcel Number 19133232007
Parcel Number 18132441442
Parcel Number 19133122419
Parcel Number 19133021031
Parcel Number 19133021034

3.3 PCE is a "hazardous substance" as defined in RCW 70.105D.020(5).

3.4 Based on the presence of this hazardous substance and all factors known to the Department, there has been a release or threatened release of a hazardous substance, as defined in RCW 70.105D.020(10).

3.5 Ecology has notified the Respondents of their status as "Potentially Liable Person(s)" under RCW 70.105D.040. By letter dated October 23, 1991, Ecology informed U-Haul Company of Inland Northwest of its status as a Potentially Liable Person, after notice and opportunity for comment. By letter dated October 23, 1991, Ecology informed Nu-Way Dry Cleaners of its status as a Potentially Liable Person, after notice and opportunity for comment. By letter dated October 23, 1991, Ecology informed Paxton Sales Corporation of its status as a Potentially Liable Person, after notice and opportunity for comment. By letter dated October 24, 1991, Ecology informed Cameron-Yakima, Incorporated of its status as a Potentially Liable Person, after notice and opportunity for comment. By letter dated October 24, 1991, Ecology informed Frank Wear Cleaners of its status as a Potentially Liable Person, after notice and opportunity for comment. By letter dated October 24, 1991, Ecology informed CMX Corporation of its status as a Potentially Liable Person, after notice and opportunity for comment. By letter dated November 6, 1991, Ecology informed the County of Yakima of its status as a Potentially Liable Person, after notice and opportunity for comment. By letter dated November 8, 1991, Ecology informed Briar Development Company of its status as a Potentially Liable Person, after notice and opportunity for comment.

3.6 Pursuant to RCW 70.105D.030(1) and 70.105D.050, the Department may require potentially liable persons to conduct remedial actions with respect to clean up of the release or threatened release of hazardous substances, whenever it believes such action to be in the public interest.

3.7 Based on the foregoing facts, Ecology believes an interim remedial action is required to reduce a threat to human health by eliminating or substantially reducing one or more pathways for exposure to a hazardous substance.

IV.

Work to be Performed

Based on the foregoing Facts and Determinations, it is hereby ordered that the Respondents take the following interim remedial actions.

4.1 The Respondents shall plan, conduct, and finance the cost of an interim remedial action for the potentially affected vicinity. The potentially affected vicinity is defined as that area bound northerly by Lincoln Avenue; easterly by the irregular trace of 4th street to Pacific Ave., 10th street to Nob Hill Boulevard, Rudkin Road to Valley Mall Boulevard, a line running due south from the southern end of Rudkin Road to the point it intersects a line running due east from the eastern end of Ahtanum Road; southerly by Ahtanum Road and the line extending due east from the eastern end of Ahtanum Road; and westerly by the irregular trace of 3rd Avenue to West Washington Avenue, 8th Avenue to Summitview Avenue, then Pierce Street to Lincoln Avenue, the northern boundary. The potentially affected vicinity is shown on the map that constitutes Appendix 1 to this Order.

4.2 The interim action shall include providing bottled water to be used for drinking and food preparation to occupants of affected households. The term "affected households" initially shall be defined as residences which are located within the potentially affected vicinity and which obtain drinking water from wells within the potentially affected vicinity. A household may be determined not to be an "affected household" by the documentation of eight consecutive properly conducted quarterly water samples which show PCE levels in each sample below 4 parts per billion. Ground water sampling shall be conducted in accordance with Appendix 2, Ground Water Data Submittals, which is incorporated as an enforceable part of this Order. The interim action typically shall provide for 10 gallons of bottled water per resident per month. An amount less than 10 gallons per month may be provided to a particular resident if the lesser amount is requested by that resident.

An amount greater than 10 gallons per person per month will be provided to individuals who provide a reasonable justification to the Respondents that a greater amount is required for drinking and food preparation.

4.3 The interim action shall be implemented according to the following schedule:

a. A draft work plan shall be submitted by the Respondents to Ecology within 10 days of the effective date of this Order detailing the procedures the Respondents intend using to meet the requirements of this Order.

b. Ecology will review the draft work plan and take one of the following actions:

i. Issue a final work plan, which may or may not incorporate revisions made by Ecology.

ii. Return the draft work plan to the Respondents, with Ecology's comments. If Ecology returns the draft work plan to the Respondents, the Respondents will incorporate Ecology's comments and resubmit the draft work plan to Ecology within 10 days of receiving Ecology's comments. Ecology will again review the revised plan and take one of the actions described above in this section.

c. The Respondents will operate and assume financial responsibility for the bottled water program within 10 days after the issuance of the final work plan by Ecology.

V.

Terms and Conditions of Order

5.1 Definitions

Unless otherwise specified, the definitions set forth in Ch. 70.105D RCW and Ch. 173-340 WAC shall control the meanings of the terms used in this Order.

5.2 Public Notices

RCW 70.105D.030(2)(a) requires that, at a minimum, this Order be subject to concurrent public notice. Ecology shall be responsible for providing such public notice and reserves the right to modify or withdraw any provisions of this Order should public comment disclose facts or considerations which indicate to Ecology that the Order is inadequate or improper in any respect.

5.3 Remedial Action Costs

The Respondents shall pay to Ecology all costs incurred by Ecology pursuant to this Order. These costs shall include work performed by Ecology or its contractors for investigations, remedial actions, and Order preparation, negotiations, oversight and administration. Ecology costs shall include costs of direct activities; e.g., employee salary, laboratory costs, travel costs, contractor fees, and employee benefit packages; and agency indirect costs of direct activities. The Respondents shall pay the required amount within 90 days of receiving from Ecology an itemized statement of costs that includes a summary of costs incurred, an identification of involved staff, and the amount of time spent by involved staff members on the project. A general description of work performed will be provided upon request. Itemized statements shall be prepared quarterly. Failure to pay Ecology's costs within 90 days of receipt of the itemized statement of costs may result in interest charges.

5.4 Designated Project Coordinator

The project coordinator for Ecology is:

Robert D. Swackhamer
Department of Ecology
106 South 6th Avenue
Yakima, Washington 98902-3387

The Respondents shall notify Ecology of their project coordinator within ten (10) calendar days of receiving this order. The project coordinator(s) shall be responsible for overseeing the implementation of this Order. To the maximum extent possible, communications between Ecology and the Respondents and all documents, including reports, approvals, and other correspondence concerning the activities performed pursuant to the terms and conditions of this Order, shall be directed through the project coordinators. Should Ecology or the Respondents change project coordinators, written notification shall be provided to Ecology or the Respondents at least ten (10) calendar days prior to the change.

5.5 Performance

All work performed pursuant to this Order shall be under the direction and supervision, as necessary, of a professional engineer or hydrogeologist, or similar expert, with appropriate training, experience, and expertise in hazardous waste site investigation and cleanup. The Respondents shall notify Ecology as to the identity of such engineer(s) or hydrogeologist(s), and of any contractors and subcontractors to be used in carrying out the terms of this Order, in advance of their involvement at the Site. All bottled water supplied in accordance with this Order shall meet the requirements of the State of Washington Department of Agriculture and the United States Food and Drug Administration.

5.6 Access

Ecology or any Ecology authorized representative shall have the authority to enter and freely move about the portions of the Site owned or operated by the Respondents at all reasonable times for the purposes of, inter alia: inspecting records, operation logs, and contracts related to the work being performed pursuant to this Order; reviewing the progress in carrying out the terms of this Order; conducting such tests or collecting samples as Ecology or the project coordinator may deem necessary; using a camera, sound recording, or other documentary type equipment to record work done pursuant to this Order; and verifying the data submitted to Ecology by the Respondents. In the course of oversight of this Order under the Model Toxics Control Act, Ecology shall provide reasonable notice before entering property unless an emergency prevents notice. When acting under other statutes, Ecology shall provide notice consistent with the appropriate statute. Ecology shall allow split or replicate samples to be taken by the Respondents during an inspection unless doing so interferes with Ecology's sampling. The Respondents shall allow split or replicate samples to be taken by Ecology and shall provide seven (7) days notice before any sampling activity.

5.7 Public Participation

The Respondents shall prepare and/or update a public participation plan with regard to the bottled water program. Ecology shall maintain the responsibility for public participation. The Respondents shall help coordinate and implement public participation for the bottled water program.

5.8 Retention of Records

The Respondents shall preserve in a readily retrievable fashion, during the pendency of this Order and for ten (10) years from the date of completion of the work performed pursuant to this Order, all records, reports, documents, and underlying data in its possession relevant to this Order.

Should any portion of the work performed hereunder be undertaken through contractors or agents of the Respondents, then the Respondents agree to include in their contract with such contractors or agents a record retention requirement meeting the terms of this paragraph.

5.9 Dispute Resolution

The Respondents may request Ecology to resolve disputes which may arise during the implementation of this Order. Such requests shall be in writing and directed to the signatory to this Order. Ecology resolution of the dispute shall be binding and final. The Respondents are not relieved of any requirement of this Order during the pendency of the dispute and remain responsible for timely compliance with the terms of the Order unless otherwise provided by Ecology in writing.

5.10 Reservation of Rights

Ecology reserves all rights to issue additional Orders or to take any action authorized by law in the event or upon the discovery of a release or threatened release of hazardous substances not addressed by this Order, upon discovery of any factors not known at the time of issuance of this Order, in order to abate an emergency, or under any other circumstances deemed appropriate by Ecology. Ecology is not prevented by terms of this Order from issuing additional Orders regarding this Facility.

Ecology also reserves all rights regarding the injury to, destruction of, or loss of natural resources resulting from the release or threatened release of hazardous substances from the facility.

In the event Ecology determines that conditions at the Site are creating or have the potential to create a danger to the health or welfare of the people on the Site or in the surrounding area or to the environment, Ecology may order the Respondents to stop further implementation of this Order for such period of time as needed to abate the danger.

5.11 Transference of Property

No voluntary or involuntary conveyance or relinquishment of title, easement, leasehold, or other interest in any portion of the facility owned or operated by the Respondents shall be consummated by the Respondents without provision for continued implementation of any remedial actions found to be necessary as a result of this Order.

Prior to transfer of any legal or equitable interest the Respondents may have in the Site or any portion thereof, the Respondents shall serve a copy of this Order upon any prospective purchaser, lessee, transferee, assignee, or other successor in such interest. At least thirty (30) days prior to finalization of any transfer, the Respondents shall notify Ecology of the contemplated transfer.

5.12 Compliance with Other Applicable Laws

All actions carried out by the Respondents pursuant to this Order shall be done in accordance with all applicable federal, state, and local requirements.

VI.

Satisfaction of this Order

The provisions of this Order shall be deemed satisfied upon the Respondents receipt of written notification from Ecology that the Respondents have completed the remedial activity required by this Order, as amended by any modifications, and that all other provisions of this Order have been complied with.

VII.

Enforcement

7.1 Pursuant to RCW 70.105D.050, this Order may be enforced as follows:

A. The Attorney General may bring an action to enforce this Order in a state or federal court.

B. The Attorney General may seek, by filing an action, if necessary, to recover amounts spent by Ecology for investigative and remedial actions and Orders related to the Site.

C. In the event the Respondents refuse, without sufficient cause, to comply with any term of this Order, they will be liable for:

(1) up to three times the amount of any costs incurred by the state of Washington as a result of their refusal to comply; and

(2) civil penalties of up to $25,000 per day for each day they refuse to comply.

D. This Order is not appealable to the Washington Pollution Control Hearings Board. This Order may be reviewed only as provided under RCW 70.105D.060.

Effective date of this Order: FEB 11 1992

Anthony W. Grover
Section Manager
Toxics Cleanup Program
Central Regional Office

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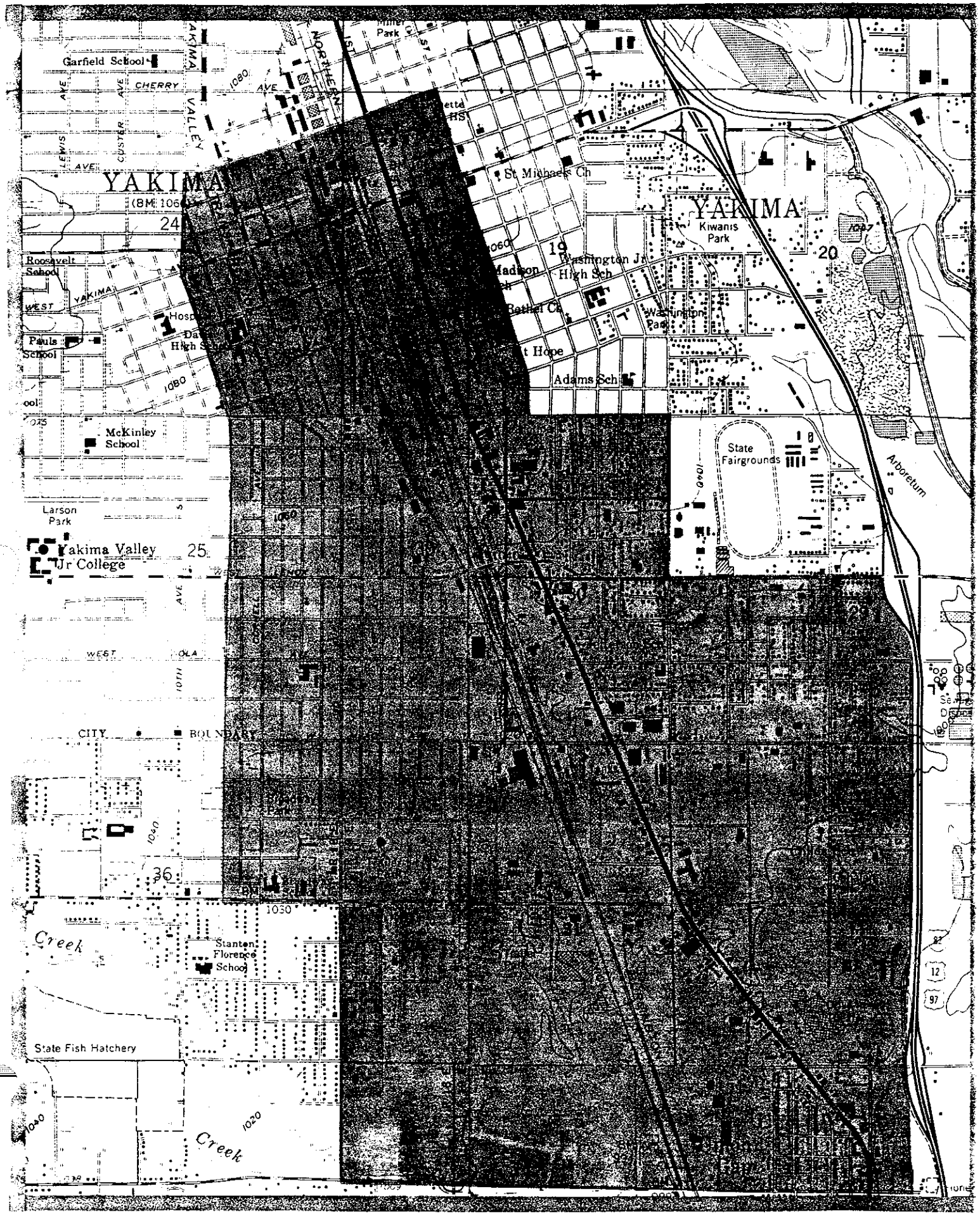
APPENDIX I

POTENTIALLY AFFECTED VICINITY (MAP)

— Potentially Affected Vicinity denoted by shaded area

Base map from USGS 7.5 Minute Topographic Series, Yakima East and Yakima West Quadrangles, both 1985.



APPENDIX 2

GROUND WATER DATA SUBMITTALS

STATE OF WASHINGTON

DEPARTMENT OF ECOLOGY

Mail Stop PV-11 • Olympia Washington 98504-8711 • (206) 459-6000

July 12, 1991

TO: Persons Collecting Ground Water Data at MTCA Sites

FROM: Carol Fleskes, Program Manager
Toxics Cleanup Program

SUBJECT: Cleanup Information Memorandum No. 91-1,
Ground Water Data Submittals

SECTION: WAC 173-340-840(5)

Purpose

The purpose of this memorandum is to establish consistency and procedures for organizing, reporting, transmitting and storing and retrieving ground water data. These procedures will improve Ecology's ability to cleanup contaminated sites by making meaningful data readily available to the public, legislature, management, project managers and site workers.

Applicability

These procedures apply to all ground water data collection activities required by the Model Toxics Control Act and Regulations.

Background

Currently, very little of the ground water data collected for the state at toxic cleanup sites is available in a readily usable form. With only a few exceptions, these date are submitted to the department in the form of voluminous paper reports. This form precludes the staff from performing rapid, accurate and many times meaningful analysis of spatial and temporal trends of the data. In addition, the evaluation of ground water data cannot always be effective because of missing and or improper pertinent information.

This procedure establishes appropriate methods to ensure that ground water data submitted to Ecology is encoded, stored and presented in a magnetic media format (diskette) so that data can be consistently used by our staff. This procedure will reduce data analysis time when compared to using laborious, time consuming hand methods of the past. Today, at most of the larger sites and many of the smaller sites, these data are processed using computers by the PLP's and consultants. This

procedure will generally require the data be rearranged and in some cases additional data items collected.

The results of receiving digital data in a consistent manner will allow exchange of ground water data with EPA and between Ecology programs. This format is a super set of that developed by EPA Region X. It is being used by other Ecology Programs.

Standardization of the data will mean that a broad range of computational, statistical, graphical and modeling software will be readily available to summarize and analyze the data. Standardized reports will be available for the first time in the program.

Responsibilities

The attached procedures shall be required for all ground water data collection activities as follows:

- Directly by TCP
- By any contractors or consultants tasked by TCP
- By "potentially liable parties" acting under terms of a consent decree or order

Implementation of the procedures shall be by incorporation of the appropriate language into contracts, work plans, orders, consent decrees or other appropriate documents by the site project manager or contract officer.

Data shall be entered into the Ecology data base by a data administrator. There is an inter-program team that establishes new parameters. At this time, Bill Myers at headquarters is acting in this capacity and as the TCP representative to the team.

Depending on the availability of a wide area network, the data would be directly or indirectly available to staff and other data users. At this time, the Site Cleanup Section is developing links from the present data base program to other statistical, graphical and analytical software packages.

GENERAL SUBMITTAL REQUIREMENTS

Draft 1/15/91

In accordance with Chapter 173-340-840(5), the Potentially liable person shall submit sampling data according to the attached SITE DESCRIPTION AND SAMPLE SUBMITTAL REQUIREMENTS. These submittals shall be provided to Ecology on a ___ basis (Sampling data should not be submitted more frequently than quarterly nor less frequently than annually) ___ times a year (a frequency as agreed by the PLP and Ecology)

SITE DESCRIPTION AND SAMPLE DATA SUBMITTAL REQUIREMENTS

1. Media

Required data must be submitted on IBM[1] MS-DOS[2](version 2.1) or compatibly formatted diskettes. The diskettes may be either 5 1/4 inch double sided, double density; 5 1/4 inch double sided, high density; or 3 1/2 inch double sided, double density.

2. Data Formats

The SITE DESCRIPTION FILE and the SAMPLE ANALYSIS FILE are comma delimited ASCII files used as the standard format for transferring sample data to and from Ecology (LOTUS files and Ashton Tate DBF files may be substituted for ASCII files). The files will include the fields in the format and order listed.

The following information is available to standardize information entered into required files (see following appendices):

A. Chemical Data Dictionary (Standardizes Spelling, STORET P-codes., etc entered into the SAMPLE ANALYSIS FILE.

B. County Codes (FEDERAL INFORMATION PROCEDURES(FIPS) CODES)

C. State Plane Zones (N or S)
(NOTE: Copy of RCW 58.20 provided for reference)

D. Map of USGS Hydro Code Areas (US GEOLOGICAL SURVEY HYDROLOGIC UNIT MAP 1974-WASHINGTON)

E. Laboratory Qualifiers

3. Submittal

Computer diskettes containing the SITE DESCRIPTION FILE and/or the SAMPLE ANALYSIS FILE, shall be submitted in duplicate, along with a backup hardcopy of the diskette contents.

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[1] Trademark of International Business Machines

[2] Trademark of the Microsoft Corporation

FIELD DEFINITIONS FOR SITE DESCRIPTION FILE

FIELD	TYPE	WIDTH	DEFINITION
REP_DATE	D	10	Reporting date (mm/dd/yyyy).
REP_NAME	C	48	Reporting entity, data submitted by.
PRJ_NAME	C	48	Project, site, or facility name.
STA_USE	C	1	Well use (USGS codes) O-observation, W-water withdrawal, X-waste disposal, D-drain, T-test hole, E-geothermal, P-oil/gas, U-unused, R-recharge, Z-destroyed.
WTR_USE	C	1	Water use (USGS codes) W-water quality/level monitoring, D-dewatering, N-industrial, S-stock supply, B-bottling, I-irrigation, Q-aquaculture, U-unused, C-commercial supply, H-domestic supply P-public supply, J-industrial cooling, F-fire protection, Z-other.
DATA_REL	C	1	Data Reliability (USGS codes) C-field checked, L-poor location, U-unchecked.
STA_ID	C	12	Well ID number.
PRI_STA	C	15	Ecology primary station code. To be obtained from Ecology TCP.
SEC_STA1	C	12	Additional station code (previous well numbers, alternate or other well designations).
SEC_STA2	C	12	Additional station code (if any).
SEC_STA3	C	12	Additional station code (if any).
STATE_FIPS	C	2	State FIPS code (WA-53).

SITE DESCRIPTION FILE CONTINUED...

FIELD	TYPE	WIDTH	DEFINITION
COUNTYFIPS	C	3	County FIPS code (use state county code).
STATE_CHAR	C	2	State (WA).
COUNTYCHAR	C	16	County.
OWN_NAME	C	30	Monitoring well owner name.
OWN_DT	D	8	Date of ownership of well (mm/dd/yy).
OWN_ADD	C	60	Address of owner.
DRILLER	C	30	Name of Driller.
STA_DESC	C	48	Well location description (for example: "East of Bldg. 2" or "SE corner, intersection 6th & Seneca").
LOC_METHD	C	48	Method of determination of well location coordinates (Note: survey to known horizontal datum is required).
LAT	N	8	Latitude OPTIONAL (degrees-minutes-seconds-tenths).
LONG	N	9	Longitude OPTIONAL (degrees-minutes-seconds-tenths).
STPCO_NORT	N	12	Northerly state plane coordinates REQUIRED (nearest ft).
STPCO_EAST	N	12	Easterly state plane coordinates REQUIRED (nearest ft).
STPCO_ZONE	C	1	State plane coordinates: state plane zone REQUIRED (N or S).
LAND_NET	C	20	Land net location of well (Township, Range, Section, 1/4-1/4 Sec.) Use USGS 1/4-1/4 section alphabetic designator A through R OPTIONAL.

SITE DESCRIPTION FILE CONTINUED...

FIELD	TYPE	WIDTH	DEFINITION
UTM_NORTH	N	9	UTM grid system coordinates: North (meters) OPTIONAL.
UTM_EAST	N	8	UTM grid system coordinates: East (meters) OPTIONAL.
MAP_NAME	C	24	Name of USGS map and scale covering the sampling location(e.g., Yakima 100K).
HOLE_DEP	N	8	Depth of original hole drilled (nearest 0.01 ft).
WELL_DEP	N	8	Well depth (nearest 0.01 ft).
WTR_ELEV1	N	8	Water level elevation at time of installation (nearest 0.01 ft).
WLEV_DAT1	D	10	Date of water level elevation measurement (mm/dd/yyyy).
MEAS_ELEV	N	8	Measuring point (reference point) elevation (nearest 0.01 ft).
MEAS_DESC	C	48	Measuring point description.
DATUM	C	48	Measuring point datum.
LEV_COMM	C	240	Comments, depth and water level data.
ALTITUDE	N	8	Approximate land surface elevation XXXXX.XX (ft).
DEPTOWTR1	N	8	Water depth at time of install. (nearest 0.01 ft).
CONST_DT	D	10	Date of installation (mm/dd/yyyy).
MOREINT	C	1	More than one open interval (Y/N).
TOP_OPN1	N	8	Depth to top of open interval (ft below measuring point).
BOT_OPN1	N	8	Depth to bottom of open interval (ft below measuring point).
CONST_COMM	C	240	Comments, construction details.

SITE DESCRIPTION FILE CONTINUED...

FIELD	TYPE	WIDTH	DEFINITION
MID_CON	C	1	Method of construction (USGS WATSTORE codes) A-air rotary, B-bored/augured, C-cable tool, D-dug, H-hydraulic rotary, J-jetted, P-air percussion, T-trenching, V-driven, W-drive wash, R-reverse rotary, X-mud rotary, Z-other.
FILT_LEN	N	5	Length of filter pack (nearest 0.01 ft).
FILT_MAT	C	48	Type of filter pack material and size of material (e.g., Sand 200 mesh).
DIA_BOR	N	8	Boring diameter (in).
DIA_CAS1	N	8	Casing diameter (in).
CAS_MAT1	C	1	Casing material (USGS WATSTORE codes) B-brick, C-concrete, D-copper, F-teflon/fluorocarbon, G-galvanized iron, I-wrought iron, M-other metal, P-pvc/plastics, R-rock/stone, S-steel, T-tile, W-wood, U-coated steel, Z-other.
DIA_OPN1	N	6	Diameter of open interval (in).
LEN_OPN1	N	6	Length of open interval (nearest 0.01 ft).
TYP_OPN1	C	1	Type of open interval (USGS WATSTORE codes) P-perforated/slotted screen, L-louvered/shuttered screen, S-screen (unknown type), F-fracture, R-wire wound, M-mesh, T-sand point, W-walled, X-open hole, Z-other.
TYP_OMT1	C	1	Material type, open interval (USGS WATSTORE codes) R-stainless steel, F-teflon/fluorocarbon, G-galvanized iron, P-pvc/plastic, B-brass/bronze, W-wrought iron, S-steel, T-tile, C-concrete, M-other metal, Z-other.
INT_COMM	C	240	Comments, open interval.
LOG_AVAIL	C	1	Well log data available? (Y/N).

SITE DESCRIPTION FILE CONTINUED...

FIELD	TYPE	WIDTH	DEFINITION
TYP_LOG	C	1	Type of well log (USGS WATSTORE codes) A-time, B-collar, C-caliper, D-driller, E-electric, F-fluid conduction, G-geologist, H-magnetic, I-induction, J-gamma ray, K-dip meter, L-lateral log, M-microlog, N-neutron, O-microlateral log, P-photo/video, Q-radioactive, S-sonic, T-temperature, U-gamma gamma, V-fluid velocity, X-core, Z-other.
LOG_DOC	C	240	Log data source documents (e.g. Remedial Investigation Report).
OTHER_DOC	C	240	Other data source documents.
LOG_LOC	C	60	Location of well log (e.g. Ecology Southwest Regional Office).
AQUI_TEST	C	1	Aquifer testing performed (Y/N).
PUMP_DATA	C	240	Pump data such as: Type, Manufacturer, Horsepower, and depth set.
ANDAT_AVAL	C	1	Analytical data available (Y/N).
PROGRAM	C	9	Ecology program (TCP, WQFA, WQ, other).
GEN_COMM	C	240	General comments.
HUCODE	C	8	USGS Hydrologic Unit Code from Appendix D.
STA_TYPE	C	12	Station type (Ground water, Surface wtr, Soil, or Air).
AGN_USE	C	1	Agency use (USGS codes) A-Active, I-inactive, O-inventory only.

** END OF SITE DESCRIPTION FILE ***

FIELD DEFINITIONS FOR SAMPLE ANALYSIS FILE

FIELD	TYPE	WIDTH	DEFINITION
PRI_STA	C	15	Ecology Monitoring Well No. will be assigned by Ecology TCP Program.
STA_ID	C	12	Site well ID no. or other designation.
X_LOCATION	C	12	Surveyed coordinates reported in the State Plane Coordinates (to the nearest foot).
Y_LOCATION	C	12	
LO_DAT_U	C	5	Year of Reference datum either 1929 or 1983 and which system L Lat Long or S for State Plane Coordinate System.
LOC_DATUM	C	48	Reference datum from Map or survey e.g., 1983 North American Datum (see RCW 58.20)
DEPT_WATER	N	8	Depth to water (in ft) at time of sampling.
WTR_ELEV	N	8	Water level elevation (in ft) at the time of sampling.
AGENCY	C	8	Agency requesting sampling data.
SAMPLE_DAT	D	8	Date of well sampling (mm/dd/yyyy).
ANALYZ_DAT	D	8	Date the sample was analyzed (mm/dd/yyyy).
SAMPLE_ID	C	8	Sample ID code or no.
CONSTITUEN	C	30	Chemical constituent names as defined in Ecology's Chemical Dictionary (see attached Appendix A).
CAS_ID	C	12	Chemical Abstract Systems ID (see Appendix A).
P_CODE	C	5	STORET Parameter Code (see Appendix A).
RESULT	N	12	Detected chemical concentration result.

SAMPLE ANALYSIS CONTINUED...

FIELD	TYPE	WIDTH	DEFINITION
UNITS	C	10	Units of measurement (e.g., ug/Kg).
QUAL	C	4	Contract Laboratory Program chemical data qualifiers (such as U, J, R, UJ, etc.) Non-Contract Lab Program qualifiers, such as less-than signs ("<") or asterisks, are not acceptable (see attached).
LIMIT	C	10	Lab instrument detection limit.
DILUTION	N	6	Amount the sample was reduced and diluted to accommodate analysis (i.e. 10X, 20X).
FILTERED	L	1	Was the sample filtered? Yes(Y) or No(N)
ANALYSIS_MTHOD	C	15	EPA Analysis method descriptions (i.e EPA Method 601).
LAB_ID	C	10	Laboratory performing analysis.
MEAS_ELEV	N	8	Surveyed elevation of the measuring point used to determine water level depths and elevations. (nearest 0.01 ft).
MEAS_DESC	C	48	Description of the well measuring point used (e.g., top of casing, file mark on casing, etc.).
DATUM	C	48	Vertical datum used to reference elevations (e.g., MSL and source/date of information).
MATRIX	C	2	Type of sample; water, sediment, soil, other (from matrix portion of Ecology Form ECY 040-115).
SOURCE_COD	C	2	Physical environment sampled (from source codes and descriptions ECY 040-115).

*** END OF SAMPLE ANALYSIS FILE ***

This is an example of a Site_des File.

```
19901210,"CITY OF SEATTLE BY AGI","MIDWAY
LANDFILL","O","W","U","MW-1","NOT ASSIGNED","N\A","N\A","N\A","53","033"
,"WA","KING","CITY OF SEATTLE",19850325,"SEAITLE ENGR, SOLID WASTE DIV.
750 DEXTER HORTON BLD, SEATTL","TACOMA PUMP","ABOUT 500 FEET NORTH OF
LANDFILL","SURVEY TO KNOWN
DATUM",,,12479,9771,"NO","",,,"",126.00,126.00,.  ,,365.99,"SURVEY TO
TOP OF PIPE (ESTIMATED NOT VERIFIED)","MEAN SEA LEVEL (USE OF BENCHMARK
NOT VERIFIED)","",366.36,.  ,19850325,"N",86,122,"","A",.
,"",,4,"P",4,36.00,"S","P","","","","","","","","NO
PUMP","","TCP","","17110019","GROUNDWATER","A"
```

The Date of the referenced Report is December 10,1990; This report was prepared for the City of Seattle by Applied Geosciences Inc; This is from the Midway Landfill; The station is an Observation well "O"; The use of this well is Water quality/level monitoring "W"; The data reliability is "U", unchecked; The local station identification is "MW-1"; No primary station code assigned; No secondary station codes assigned; The State FIPS code for WA is 53; The FIPS county code is 033; The State is WA; The site is in King County; The City of Seattle owns the well; The city has owned the well since March, 25, 1985; The address is for the Solid Waste Division; Tacoma Pump drilled the well; The well is located about 500 feet north of the landfill; The method used to locate the well was a survey to known datum (the Benchmark location should be included); Latitude and Longitude are not used in this case, hence the commas to mark the fields; The Northing State Plane Coordinate is 12479; The Easting State Plane Coordinate is 9771; This survey is in the North zone of the State Plane coordinate System; The State Land Net is not used if it were Township, Range, and Section would be added here; Northing and Easting Universal Transverse Mercader coordinates may be added here; The US Geological Survey Map covering the area where the well is installed and the scale of the map (7.5 minute maps are preferred) should go here; The depth the boring was extended in this case 126 feet; The depth of the completed well (This may be influenced by backfilling) in this case it is 126 feet, the same as drilled; There was no record of the water level when completed if there was, the altitude of the water level would go here (this can be a calculated field); There is no water level date; The altitude of the measuring point is 365.99 feet; The top of the inner casing is assumed to be the measuring point; The vertical datum used for this survey was not included, but there is room to include it; There is a place here to comment on the water levels a statement such as: "This well is dry from April through September" could go here; This is for the land surface altitude at the site, it is different from the altitude of the measuring point; This is the depth to water at the time the well was installed, This value and the altitude of the measuring point could be used to calculate the altitude of the water level; This is the date the well was installed, March 25, 1985; There is only one open interval or "n" for not more than one; The top of the open interval is 86 feet below the land surface; The bottom of the open interval is 122 feet below land surface; There is space here for construction comments, any special comments about this well; This well was constructed using "A" an Air

Example of SAMP_ANA FILE in ASCII Delimited format

```
"NOT AVAIL","LW-2","    10218.00","    10880.00","1929S","MIDWAY
LANDFILL SURVEY",110.00,279.70,"ECOLOGY",19870930,19090909,"CAS#8762","1
,1,1-Trichloroethane","71-55-6","34506",32,"<","99999","ug/l",99999"N",
"EPA 601","ARI",389.70,"SURVEY TO TOP OF PIPE (ESTIMATED NOT VERIFIED)",
"MEAN SEA LEVEL (USE OF BENCHMARK NOT VERIFIED)","10","23"
```

The basic file is interpreted as follows:

The Primary I.D has not been established; The well identified here is "LW-2"; the Easting coordinate is 10218; The Northing is 10880; This is a 1929 geoid using State Plane Coordinates; the Survey is identified as "The Midway Landfill Survey" Depth to water is 110 feet; The altitude of the water level is 279.70 feet above the reference elevation (probably sea level); Ecology is the requesting agency for the information; The sample was collected September 30, 1987; No analysis date was provided so a dummy date of September 9, 1909 was used as a place holder; The Sample Number is "CAS#8762"; The Constituent reported here is 1,1,1-Trichloroethane; The Chemical Abstract System number for 1,1,1 TCE is 71-55-6; The Storet P-Code for our constituent is 34506; the concentration for this constituent is 32; The qualifier indicates less than (we would prefer only EPA contract laboratory qualifiers); The 99999 indicates we have no detection limit reported; The concentration reported is in parts per billion (ug/l); This sample was not diluted, sometimes very polluted samples must be diluted 5,10 or even 20 times their volume to allow them to be analyzed without saturating the instrument column; This sample was not filtered. The method used to analyze our sample follows the protocalls used in EPA Method 601; Analytical Resources Inc. analyzed this sample; The altitude of the Measuring Point is 389.7 feet; The Survey was to the top of the pipe (Probably the top of the inner casing for the monitoring well is described here); The datum used should include the Bench Mark and what vertical datum was used; The Matrix code is from the back of the Ecology Data Analysis/ Chain of Custody form ECY 040-115 "10" is for Water Total; The Source code is from form ECY 040-115, this source is "23" Well (Test\Observation).

APPENDIX A

COMP_NAME	UNK_NO	STORET_NO	CAS_NO	UNITS
p-Cresol	35.01	77146	106-44-5	ug/L
4-Nitroaniline	36.00	73278	100-01-6	ug/KG
p-Nitroaniline	36.01	73278	100-01-6	ug/KG
4-Nitrophenol	37.00	34646	100-02-7	ug/L
p-Nitrophenol	37.01	34646	100-02-7	ug/L
Acenaphthene	38.00	34205	83-32-9	ug/L
Acenaphthylene	39.00	34200	208-96-8	ug/L
Acetone	40.00	81550	67-64-1	ug/L
Propanone	40.01	81550	67-64-1	ug/L
Dimethyl ketone	40.02	81550	67-64-1	ug/L
Methyl ketone	40.03	81550	67-64-1	ug/L
Benzene	41.00	34030	71-43-2	ug/L
Benzol	41.01	34030	71-43-2	ug/L
Benzoic acid	42.00	77147	65-85-0	ug/L
Benzyl alcohol	43.00	77147	100-51-6	ug/L
Bis(2-chloroethoxy)methane	44.00	34278	111-91-1	ug/L
Bis(2-chloroethyl)ether	45.00	34273	111-44-4	ug/L
Bis(2-chloroisopropyl)ether	46.00	34283	108-60-1	ug/L
Bromodichloromethane	47.00	32101	75-27-4	ug/L
Dichlorobromomethane	47.01	34328	75-27-4	ug/L
Bromoform	48.00	32104	75-25-2	ug/L
Bromomethane	49.00	34413	74-83-9	ug/L
Methyl bromide	49.01	34413	74-83-9	ug/L
Carbon disulfide	50.00	77041	75-15-0	ug/L
Carbon tetrachloride	51.00	32102	56-23-5	ug/L
Tetrachloromethane	51.01	32102	56-23-5	ug/L
Chlorobenzene	52.00	34301	108-90-7	ug/L
Chloroethane	53.00	34311	75-00-3	ug/L
Chloroform	54.00	32106	67-66-3	ug/L
Trichloromethane	54.01	32106	67-66-3	ug/L
Chloromethane	55.00	34418	74-87-3	ug/L
Methyl chloride	55.01	34418	74-87-3	ug/L
cis-1,3-Dichloropropene	56.00	34704	10061-01-5	ug/L
cis-1,3-Dichloropropylene	56.01	34704	10061-01-5	ug/L
Dibenzofuran	57.00	81302	132-64-9	ug/L
Dibromochloromethane	58.00	32105	124-48-1	ug/L
Chlorodibromomethane	58.01	32105	124-48-1	ug/L
Diethylphthalate	59.00	34336	84-66-2	ug/L
Dimethylphthalate	60.00	34341	131-11-3	ug/L
Ethylbenzene	61.00	34371	100-41-4	ug/L
Fluorene	62.00	34381	86-73-7	ug/L
Hexachlorobutadiene	63.00	34391	87-68-3	ug/L
Hexachlorocyclopentadiene	64.00	34386	77-47-4	ug/L
Hexachloroethane	65.00	34396	67-72-1	ug/L
Isophorone	66.00	34408	78-59-1	ug/L
Xylene, m-	67.00	81718	108-38-3	ug/L
1,3-Dimethylbenzene	67.01	77134	108-38-3	ug/L
meta-Xylene	67.02	77134	108-38-3	ug/L
m-Xylene	67.03	77134	108-38-3	ug/L
m-Dimethylbenzene	67.04	77134	108-38-3	ug/L
Methylene chloride	68.00	34423	75-09-2	ug/L
1,2-Dichloromethane	68.01	34423	75-09-2	ug/L
Dichloromethane	68.02	34423	75-09-2	ug/L

COMP_NAME	JHK_NO	STORET_NO	CAS_NO	UNITS
1,1,1-Trichloroethane	1.00	34506	71-55-6	ug/L
1,1,2,2-Tetrachloroethane	2.00	34516	79-34-5	ug/L
1,1,2-Trichloro2,2,1trifluoroe thane	3.00	81611	76-13-1	ug/L
Freon 113	3.01	81611	76-13-1	ug/L
Trichlorotrifluoroethane	3.02	81611	76-13-1	ug/L
1,1,2-Trichloroethane	4.00	34511	79-00-5	ug/L
Vinyl trichloride	4.01	34511	79-00-5	ug/L
1,1-Dichloroethane	5.00	34496	75-34-3	ug/L
1,1-Dichloroethene	6.00	34501	75-35-4	ug/L
1,1-Dichloroethylene	6.01	34501	75-35-4	ug/L
1,2,4-Trichlorobenzene	7.00	34551	120-82-1	ug/L
1,2-Dibromoethane (EDB)	8.00	77651	106-93-4	ug/L
EDB	8.01	77651	106-93-4	ug/L
Ethylene dibromide	8.02	77651	106-93-4	ug/L
1,2-Dichlorobenzene	9.00	34536	95-50-1	ug/L
1,2-Dichloroethane	10.00	34531	107-06-2	ug/L
Ethylene dichloride	10.01	34531	107-06-2	ug/L
1,2-Dichloropropane	11.00	34541	78-87-5	ug/L
1,3-Dichlorobenzene	12.00	34566	541-73-1	ug/L
1,4-Dichlorobenzene	13.00	34571	106-46-7	ug/L
2,4,5-Trichlorophenol	14.00	77687	95-95-4	ug/L
2,4,6-Trichlorophenol	15.00	34621	88-06-2	ug/L
2,4-Dichlorophenol	16.00	34601	120-83-2	ug/L
2,4-Dimethylphenol	17.00	34606	105-67-9	ug/L
2-Methyl-p-cresol	17.01	34606	105-67-9	ug/L
4-Methyl-o-cresol	17.02	34606	105-67-9	ug/L
2,4-Dinitrophenol	18.00	34616	51-28-5	ug/L
2,4-Dinitrotoluene	19.00	34611	121-14-2	ug/L
2,6-Dinitrotoluene	20.00	34626	606-20-2	ug/L
Antimony, Total Recoverable	21.00	01268	7440360	ug/L
2-Chloroethyl vinyl ether	22.00	34576	110-75-8	ug/L
2-Chloronaphthalene	23.00	34581	91-58-7	ug/L
2-Chlorophenol	24.00	34586	95-57-8	ug/L
o-Chlorophenol	24.01	34586	95-57-8	ug/L
2-chloro-1-hydroxybenzene	24.02	34586	95-97-8	ug/L
2-Hexanone	25.00	77103	591-78-6	ug/L
Methyl n-butyl ketone	25.01	77103	591-78-6	ug/L
2-Methylnaphthalene	26.00	77416	91-57-6	ug/L
2-Methylphenol	27.00	77152	95-48-7	ug/L
2-Nitroaniline	28.00	30195	88-74-4	ug/L
2-Nitrophenol	29.00	34591	88-75-5	ug/L
3-Nitroaniline	30.00	78300	99-09-2	ug/L
4-Chloro-3-methylphenol	31.00	34452	59-50-7	ug/L
4-Chloro-m-cresol	31.01	34452	59-50-7	ug/L
p-Chloro-m-cresol	31.02	34452	59-50-7	ug/L
Xylene Isomers, O+P, Whole Water	32.00	80353	58-89-9	ug/L
4-Chlorophenyl phenyl ether	33.00	34641	7005-72-3	ug/L
4-Methyl-2-pentanone	34.00	81596	108-10-1	ug/L
Methyl isobutyl ketone	34.01	81596	108-10-1	ug/L
MIBK	34.02	81596	108-10-1	ug/L
4-Methylphenol	35.00	77146	106-44-5	ug/L

COMP_NAME	JNK_NO	STORET_NO	CAS_NO	UNITS
2-Methyl-4-pentanone	95.00	78133	108101	ug/l
Ethyl isopropyl ketone	95.01	78133	108101	ug/l
2-Methyl-4,6-dinitrophenol	96.00	30204	543521	ug/l
4,6-Dinitro-2-methylphenol	96.01	30204	543521	ug/l
2-Pentanone	97.00	77060	107879	ug/l
Methyl n-propyl ketone	97.01	77060	107879	ug/l
3,3'-Dichlorobenzidine	98.00	34631	91-94-1	ug/l
3,4-Benzofluoranthene	99.00	34230	205992	ug/l
1,2,4-Trinitrobenzene	100.00			
4,6-Dinitrophenol	101.00	82226	88857	ug/l
4-Bromophenoxybenzene	102.00			
4-Bromophenyl phenyl ether	103.00	34636	1010-55-3	ug/l
5-Bromopyrimidine	104.00			
Acrolein	105.00	34210	107-02-8	ug/l
Acrolein	105.01	34210	107028	ug/l
Aquatin	106.00	34215	107131 .	ug/l
Acrylonitrile	107.00	39330	309-00-2	ug/l
Aldrin	108.00	01106	7429905	ug/l
Aluminum, Total Recoverable	109.00	00610	17778880	mg/l as N
Ammonia-N, Total	109.01	00610	17778880	mg/l as N
NH3-N, Total	110.00	77089	62533 .	ug/l
Aniline	111.00			
Anion Balance	112.00	34220	120-12-7	ug/l
Anthracene	113.00	01097	7440360	ug/l
Antimony, Total	114.00	34671	12674112	ug/l
Arocler 1016	114.01	34671	12674112	ug/l
PCB-1016	115.00	39488	1104282	ug/l
Arocler 1221	115.01	39488	1104282	ug/l
PCB-1221	116.00	39492	11141165	ug/l
Arocler 1232	116.01	39492	11141165	ug/l
PCB-1232	117.00	39496	53469219	ug/l
Arocler 1242	117.01	39496	53469219	ug/l
PCB-1242	118.00	39500	12672296	ug/l
Arocler 1248	118.01	39500	12672296	ug/l
PCB-1248	119.00	39504	11097691	ug/l
Arocler 1254	119.01	39504	11097691	ug/l
PCB-1254	120.00	39508	11096825	ug/l
Arocler 1260	120.01	39508	11096825	ug/l
PCB-1260	121.00	00995	7440382	ug/l
Arsenic, Inorganic	122.00	00978	7440382	ug/l
Arsenic, Total Recoverable	123.00	34225	1332214	ug/l
Asbestos	124.00	81009	7440393	ug/l
Barium, Total Recoverable	125.00	39120	92-87-5	ug/l
Benzidine	126.00	34247	50-32-8	ug/l
Benzo(a)pyrene	127.00	34230	205-99-2	ug/l
Benzo(b)fluoranthene	128.00	34521	191-24-2	ug/l
Benzo(g,h,i)perylene	128.01	34521	191-24-2	ug/l
Benzo(ghi)perylene	129.00	34242	207-08-9	ug/l
Benzo(k)fluoranthene	130.00	34526	56-55-3	ug/l
Benzo(a)anthracene	130.01	34526	56-55-3	ug/l
Benz(a)anthracene	131.00	00998	7440417	ug/l
Beryllium, Total Recoverable	132.00	81283	608731	ug/l
BHC (all isomers)	133.00	00440	71523	mg/l
Bicarbonate as HCO3				

COMP_NAME	JHK_NO	STORET_NO	CAS_NO	UNITS
N-Nitroso-di-n-propylamine	69.00	34428	621-64-7	ug/L
Naphthalene	70.00	34696	91-20-3	ug/L
Nitrobenzene	71.00	34447	98-95-3	ug/L
Total BTX	72.00	34103	n/a	ug/L
Phenol	73.00	34466	108-95-2	ug/L
Styrene	74.00	77128	100-42-5	ug/L
Vinylbenzene	74.01	77128	100-42-5	ug/L
Phenylethylene	74.02	77128	100-42-5	ug/L
Cinnamene	74.03	77128	100-42-5	ug/L
Ethenylbenzene	74.04	77128	100-42-5	ug/L
Tetrachloroethene	75.00	34475	127-18-4	ug/L
PCE	75.01	34475	127-18-4	ug/L
Perchloroethylene	75.02	34475	127-18-4	ug/L
Perchloroethene	75.03	34475	127-18-4	ug/L
Tetrachloroethylene	75.04	34475	127-18-4	ug/L
1,1,2,2-Tetrachloroethene	75.05	34475	127-18-4	ug/L
Toluene	76.00	34010	108-88-3	ug/L
Methylbenzene	76.01	34010	108-88-3	ug/L
Xylene, o-	77.00	81551	1330-20-7	ug/L
o-Xylene	77.01	81551	1330-20-7	ug/L
1,2-Dimethylbenzene	77.02	81551	1330-20-7	ug/L
o-Dimethylbenzene	77.03	81551	1330-20-7	ug/L
ortho-Xylene	77.04	81551	1330-20-7	ug/L
trans-1,2-Dichloroethene	78.00	34546	156-60-5	ug/L
trans-1,2-Dichloroethylene	78.01	34546	156-60-5	ug/L
trans-1,3-Dichloropropene	79.00	34699	10061-02-6	ug/L
trans-1,3-Dichloropropylene	79.01	34699	10061-02-6	ug/L
Trichloroethene	80.00	39180	79-01-6	ug/L
TCE	80.01	39180	79-01-6	ug/L
Trichloroethylene	80.02	39180	79-01-6	ug/L
Vinyl acetate	81.00	77057	108-05-4	ug/L
Vinyl chloride	82.00	39175	75-01-4	ug/L
Monochloroethylene	82.01	39175	75-01-4	ug/L
Chloroethylene	82.02	39175	75-01-4	ug/L
Chloroethene	82.03	39175	75-01-4	ug/L
Monochloroethene	82.04	39175	75-01-4	ug/L
Trichlorofluoromethane	83.00	34488	75-69-4	ug/L
1,2-Diphenylhydrazine	84.00	34346	122667	ug/L
1,2,3-Trinitrobenzene	85.00	73275	99-35-4	ug/Kg
Chlorocyclohexane	86.00	77217	542187	ug/L
2,3,7,8-Tetrachlorodibenzo-p-dioxin	87.00	34675	1746016	ug/L
Dioxin	87.01	34675	1746016	ug/L
2,3,7,8-TCDD	87.02	34675	1746016	ug/L
2,3-Dichloropropylene	88.00	77166	78886	ug/L
2,4,5-T Methyl Ester	89.00	39740	93765	ug/L
2,4,5-TP Methyl Ester	90.00			
2,4,5-TP (Silvex)	91.00	39045	93-72-1	ug/L
2,4,6-Trimethyl-1-1,3,5-Trioxane	92.00	77322	123-63-7	ug/L
2,4-D	93.00	39730	94-75-7	ug/L
2,4-D Methyl Ester	93.01	39730	94757	ug/L
2,3-Dinitrotoluene	94.00	77637	619158	ug/L

COMP_NAME	JNX_NO	STORET_NO	CAS_NO	UNITS
Heptachlor	181.00	39410	76-44-8	ug/l
Heptene	182.00	81589	25339-56-4	ug/l
Hexachlorobenzene	183.00	39700	118-74-1	ug/l
Hydrazine	184.00	81313	302-01-2	mg/l
Hydroxide	185.00	71830	14280309	mg/l
Indeno(1,2,3-cd)pyrene	186.00	34403	193-39-5	ug/l
Surrogt 1,4-Bromofluorobenzene	187.00			
Iron, Total	188.00	01045	7439896	ug/l
Ferric(3+)	188.01	01045	7439896	ug/l
Ferrous(2+)	188.02	01045	7439896	ug/l
Lead, Total Recoverable	189.00	01114	7439921	ug/l
Tebuthiuron	190.00		34014-18-1	ug/l
Magnesium, Total	191.00	00927	7439954	mg/l
Malathion	192.00	39530	121-75-5	ug/l
Manganese, Total	193.00	01055	7439965	ug/l
Mercury, Total Recoverable	194.00	71901	7439976	ug/l
Methoxychlor	195.00	39480	72-43-5	ug/l
2-Ethyl hexanoic acid	196.00	82114	149575	ug/l
Methyl Trithion	197.00	39790	953173	ug/l
Methylcyclohexane	198.00	77100	108-87-2	ug/l
N-Nitrosodiphenylamine	199.00	34433	86-30-6	ug/l
Nickel, Total Recoverable	200.00	01074	7440020	ug/l
Nitrite-N	202.00	00615	17778880	mg/l as N
Nitroguanidine	203.00	79753	556887	ug/l
Terbacil	204.00		5902-15-2	ug/l
Phosphate-P, Ortho	205.00	00660	14265442	mg/l asPO4
OEPA	206.00		58366	
Oil & Grease	207.00	00556		mg/l
DDD	208.00	39360	72548	ug/l
4,4'-DDD	208.01	39360	72548	ug/l
P,P'-DDD	208.02	39315	53190	ug/l
DDE	209.00	39365	72559	ug/l
4,4'-DDE	209.01	39365	72559	ug/l
P,P'-DDE	209.02	39365	72559	ug/l
DDT	210.00	39370	50293	ug/l
4,4'-DDT	210.01	39370	50293	ug/l
P,P'-DDT	210.02	39370	50293	ug/l
1-Methylnapthalene	211.00	77418	90120	ug/l
Parathion	212.00	39540	56-38-2	ug/l
Pentachlorophenol	213.00	39032	87-86-5	ug/l
PCP	213.01	39032	87865	ug/l
Perchlorate	214.00			
Acifluorfen	215.00	79193	6247659	ug/l
Phenanthrene	216.00	34461	85-01-8	ug/l
Phenol, 4-AAP	217.00		108952	
Phorate	218.00	38870	298-02-2	ug/l
Polychlorinated biphenyl	219.00	76012	1336363	ug/l
PCB	219.01	76012	1336363	ug/l
Potassium, Total	220.00	00937	7440097	mg/l
Prowl, Lechate	221.00	79190	40487421	ug/l
Penoxalin	222.00	82410	40487421	ug/l
Prowl	222.01	79190	40487421	ug/l
Pendimethalin	222.02	79190	40487421	ug/l

COMP_NAME	JHE_NO	STORET_NO	CAS_NO	UNITS
Boron	134.00	00999	7440428	ug/L
Bromide	135.00	82298	24959679	ug/L
Butyl benzyl phthalate	136.00	34292	85687	ug/L
Arsenic, Total	137.00	01002	7440382	ug/L
Cadmium, Total Recoverable	138.00	01113	7440439	ug/L
Carboxin	139.00	70987	5234-68-4	ug/L
Bis(2-ethylhexyl)phthalate	140.00	39100	117817	ug/L
Calcium, Total	141.00	00916	7440702	mg/L
Carbonate as CO3	142.00	00445	3812326	mg/L
Cation Balance	143.00			
Chlordane	144.00	39350	57749	ug/L
Chloride, Total	145.00	00940	16887006	mg/L
Chlorine, Total Residual	146.00	50060	7782505	mg/L
Chromium, Total Recoverable	147.00	01118	7440473	ug/L
Chrysene	148.00	34320	218-01-9	ug/L
Cobalt	149.00	01037	7440484	ug/L
Coliform, Total	150.00	31628		#/100ml
Specific Conductance @ 25C	151.00	00095		UMHOS/cm
Copper, Total Recoverable	152.00	01119	7440508	ug/L
Cyanide	153.00	78248	57125	ug/L
Diisopropyl ether	154.00	81577	108203	ug/L
Di-n-butylphthalate	155.00	39110	84-74-2	ug/L
1,3,5-Trinitrobenzene	156.00	73275	99354	ug/Kg
Surrog: 1-Bromo-2-florcethane	157.00			
Diazinon	158.00	39570	333-41-5	ug/L
Dibenzo(a,h)anthracene	159.00	34556	53-70-3	ug/L
Dibenz(a,h)anthracene	159.01	34556	53-70-3	ug/L
Dibromomethane	160.00	81522	106934	ug/L
Methylene bromide	160.01	81522	106934	ug/L
Cation Exchange Capacity	161.00	81356		meq/100g
CEC	161.01	81356		meq/100g
Dichlorodifluoromethane	162.00	34668	75-71-8	ug/L
Freon 12, Halon	162.01	34668	75718	ug/L
Metolachlor	163.00		51218-45-2	ug/L
Dieldrin	164.00	39380	60-57-1	ug/L
Diethyl ether	165.00	81576	60297	ug/L
Dimethyldisulfide	166.00	81580	624920	ug/L
Diphenoloxide	167.00	77587	101848	ug/L
Dissolved COD	168.00	80116		mg/L
DOD	168.01	80116		mg/L
Dissolved Oxygen	169.00	00299	7782-44-7	mg/L
DO	169.01	00299	7782447	mg/L
Dissolved TOC	170.00	00679	7440-44-0	kg/100GAL
Disulfoton (Di-Syston)	171.00	81888	298-06-6	ug/L
Endosulfan Sulfate	172.00	34351	1031-07-8	ug/L
Endrin Aldehyde	173.00	34366	7421-93-4	ug/L
Endrin	174.00	39390	72-20-8	ug/L
Ethion	175.00	39398	563-12-2	ug/L
Ethyl acetate	176.00	81585	141786	ug/L
Fluoranthene	177.00	34376	206-44-0	ug/L
Fluorescein(Sodium)	178.00		518478	
Fluoride	179.00	00950	16984-48-8	mg/L
Heptachlor Epoxide	180.00	39420	1024-57-3	ug/L

COMP_NAME	JNK_NO	STORET_NO	CAS_NO	UNITS
alpha-Lindane	265.02	39337	319846	ug/l
alpha-BHC	265.03	39337	319846	ug/l
alpha-Endosulfan	266.00		959988	ug/l
a-Endosulfan	266.01	34361	959988	ug/l
b-BHC	267.00	39338	319857	ug/l
beta-Benzene hexachloride	267.01	39338	319857	ug/l
beta-Lindane	267.02	39338	319857	ug/l
beta-BHC	267.03	39338	319857	ug/l
b-Endosulfan	268.00	34356	33213659	ug/l
beta-Endosulfan	268.01	34356	33213659	ug/l
d-BHC	269.00	34259	319868	ug/l
delta-Benzene hexachloride	269.01	34259	319868	ug/l
delta-Lindane	269.02	34259	319868	ug/l
delta-BHC	269.03	34259	319868	ug/l
o,p'-DDT	270.00	39305	789026	ug/l
o,p'-TDE	271.00	39315	53190	ug/l
P,p'-TDE	272.00	39360	72548	ug/l
Alachlor	273.00	77825	15972608	ug/l
Alanex	273.01	77825	15972608	ug/l
Aldicarb	274.00	39053	116-06-3	ug/l
Temik	274.01	39053	116063	ug/l
Ametryn	275.00	82184	834128	ug/l
Evik	275.01	82184	834128	ug/l
Amiben	276.00	82051	133904	ug/l
Chloramben	276.01	82051	133904	ug/l
Aminocarb	277.00	38406	2032599	ug/l
Matacil	277.01	38406	2032599	ug/l
Aminotriazole	278.00	73509	61825	ug/l
Amitrole	278.01	73509	61-82-5	ug/l
Cyanide, Dissolved Std Method	279.00	00723	57125	ug/l
Atraton	280.00	82185	1610179	ug/l
Gesatamin	280.01	82185	1610179	ug/l
Atrazine	281.00	39033	1912-24-9	ug/l
AAtrex	281.01	39033	1912249	ug/l
Azinphos-Ethyl	282.00	81292	2642719	ug/l
Balan	283.00	39002	1861401	ug/l
Benefin	283.01	39002	1861401	ug/l
Benfluralin	283.02	39002	1861401	ug/l
Banvel	284.00	82052	1918009	ug/l
Dicamba	284.01	82052	1918009	ug/l
Benomyl	285.00	38705	17804352	ug/l
Benlate	285.01	38705	17804352	ug/l
Bentazon	286.00	38710	25057890	ug/l
Basagran	286.01	38710	25057890	ug/l
Camphor (ACN)	287.00	81324	76222	ug/l
Betasan	288.00	82197	741582	ug/l
Bensulide	288.01	82197	741582	ug/l
Bromacil	289.00	82198	314-40-9	ug/l
Hyvar	289.01	82198	314409	ug/l
Butylate	290.00	81610	2008-41-5	ug/l
Sutan	290.01	81610	2008415	ug/l
C3-Alkylbenzenes, Total	291.00	45046	103-65-1	ug/l
Propylbenzenes, Total	291.01	45046	103-65-1	ug/l

COMP_NAME	JHK_NO	STORET_NO	CAS_NO	UNITS
Prowl, Soil	223.00	85793	40487421	ug/L
Pyrene	224.00	34469	129-00-0	ug/L
SCA	225.00			
Selenium, Total Recoverable	226.00	00981	7782492	ug/L
Silica (SiO2)	227.00	00992	7631869	ug/L
Silver, Total Recoverable	228.00	01079	7440224	ug/L
Sodium Chlorate	229.00	00726	7775099	ug/L
Sulfate, Total as SO4	230.00	00945	14808798	mg/L
Sulfide, Total	231.00	00745	18496258	mg/L
Sulfite, Total as SO3	232.00	00740	14265453	mg/L
Surfactants	233.00	34790	7429905	mg/L
KBAS	233.01	34790	7429905	mg/L
Silver, Total	234.00	01077	7440224	ug/L
2,4-Dichlorophenoxy butyric acid	235.00		94-82-6	ug/L
T3	236.00	78166		ug/L
T4	237.00		51489	ug/L
Temperature, 0 C	238.00	00010		0 C
Temperature, 0 F	239.00	00011		0 F
3,5-Dichlorobenzoic acid	240.00		51-36-5	ug/L
Tetrahydrofuran	241.00	81607	109999	ug/L
Thallium, Total Recoverable	242.00	00982	7440280	ug/L
Thiosulfate	243.00			
Dichloroprop	244.00	30190	120-36-5	ug/L
TOS (Calculated)	245.00			
Alkalinity, Total (CaCO3)	246.00	00410	471341	mg/L
Total Dissolved Solids (residue)	247.00	70300		ug/L
TDS	247.01	70300		ug/L
Total Filterable Residue	247.02	70300		ug/L
Solids, Total Dissolved	247.03	70300		ug/L
Hardness, Total	248.00	00900	471-34-1	mg/L CaCO3
Kjeldahl-N, Total	249.00	00625	17778880	mg/L as N
TKN	249.01	00625	17778880	mg/L as N
Carbon, Total Organic	250.00	00680	7440440	ug/L
TOC	250.01	00680	7440440	ug/L
Phosphate-P, Total	251.00	00665	7723140	mg/L as P
Total Solids (%)	252.00	70318		%
Total Solids	253.00	70297		Kg/100Cal
Cyclohexane	254.00	81570	110827	ug/L
Toxaphene	255.00	39400	8001-35-2	ug/L
5-Hydroxy Dicamba	256.00			ug/L
Piclorom	257.00	39720	1918-02-1	ug/L
Trichlorotrinitrobenzenes, Total	258.00			
Trinitrobenzenes, Total	259.00			
Turbidity	260.00	82079		NTU
UDMH	261.00	81314	57147	mg/L
Vanadium	262.00	10098	7440622	
Volatile Dissolved Solids	263.00			
Zinc, Total Recoverable	264.00	01094	7440666	ug/L
a-BHC	265.00	39337	319846	ug/L
alpha Benzene hexachloride	265.01	39337	319846	ug/L

COMP_NAME	JHK_NO	STORET_NO	CAS_NO	UNITS
NO3+NO2-N, Total	321.01	00630	17778880	mg/l as N
Arsenic, Dissolved	322.00	01000	7440382	ug/l
Iron, Dissolved	323.00	01046	7439896	ug/l
DEF	324.00	39040	78488	ug/l
Demeton	325.00	39560	8065-48-3	ug/l
Systox	325.01	39560	8065483	ug/l
cis-1,2-Dichloroethene	326.00	77093	156592	ug/l
cis-1,2-Dichloroethylene	326.01	77093	156592	ug/l
Dicofol	327.00	39780	115322	ug/l
Dicrotophos	328.00	38454	141662	ug/l
Bidrin	328.01	38454	141662	ug/l
Carbazole	329.00	77571	86748	ug/l
Difenzoquat	330.00	78882	43222486	ug/l
Avenge	330.01	78882	43222486	ug/l
Dimethoate	331.00	38458	60-51-5	ug/l
Phosphamide	331.01	38458	60515	ug/l
Dioxathion	332.00	38783	78342	ug/l
Diphenamide	333.00	78004	957517	ug/l
Enide	333.01	78004	957517	ug/l
Diquat	334.00	78885	85007	ug/l
Diuron	335.00	39650	330541	ug/l
Karmex	335.01	39650	330541	ug/l
DMPA	336.00	81285	299854	ug/l
Zytron	336.01	81285	299854	ug/l
DNBP	337.00	81287	88857	ug/l
Basanite	337.01	81287	88857	ug/l
Dinoseb	337.02	81287	88-85-7	ug/l
DNOC	338.00	39920	534521	ug/l
Dinitro-o-cresol	338.01	39920	534521	ug/l
Dyfonate	339.00	81294	944229	ug/l
Fonofos	339.01	81294	944-22-9	ug/l
Dylox	340.00	39014	52686	ug/l
Trichlorophon	340.01	39014	52686	ug/l
Endosulfan	341.00	34361	959-98-8	ug/l
Endosulfan I	341.01	34361	959-98-8	ug/l
Endosulfan II	342.00	34356	33213-65-9	ug/l
Endothall	343.00	38926	145-73-3	ug/l
EPN	344.00	81290	2104645	ug/l
EPTC	345.00	81894	759944	ug/l
Eptam	345.01	81894	759944	ug/l
Ethanol	346.00	77006.	64-17-5	ug/l
Ethyl alcohol	346.01	77006	64175	ug/l
Grain alcohol	346.02	77006	64175	ug/l
Ethylene glycol	347.00	77023	107-21-1	ug/l
Ethylidene thiourea	348.00	38928	96-45-7	ug/l
Fenamiphos	349.00	38929	22226-92-6	ug/l
Nemacure	349.01	38929	22224926	ug/l
Fensulfothion	350.00	38797	115-90-2	ug/l
Dasanit	350.01	38797	115902	ug/l
Fenthion	351.00	38801	55-38-9	ug/l
Baytex	351.01	38801	55389	ug/l
Fenuron	352.00	38468	101-42-8	ug/l
Ferbam	353.00	38806	14484641	ug/l

COMP_NAME	UNI_NO	STORET_NO	CAS_NO	UNITS
C4-Alkylbenzenes, Total	292.00	45049		ug/l
Butylbenzenes, Total	292.01	45049		ug/l
Captan	293.00	39640	133-06-2	ug/l
Carbaryl	294.00	77700	63-25-2	ug/l
Sevin	294.01	77700	63252	ug/l
Carbendazim	295.00	38735	10605217	ug/l
Carbofuran	296.00	81405	1563662	ug/l
Furadan	296.01	81405	1563662	ug/l
Carbophenothion	297.00	39786	786-19-6	ug/l
Trithion	297.01	39786	786196	ug/l
Chlordecon	298.00	81281	143500	ug/l
Kepone	298.01	81281	143-50-0	ug/l
Chlordimeform	299.00	77953	6164983	ug/l
Chlorobenzilate	300.00	39460	510-15-6	ug/l
Chloroneb	301.00	38423	2675776	ug/l
Chloropropylate	302.00	38429	5836102	ug/l
Chloropicrin	303.00	77548	76062	ug/l
Chlorpyrifos	304.00	77969	2921-88-2	ug/l
Dursban	304.01	77969	2921-88-2	ug/l
Lorsban	304.02	77969	2921882	ug/l
Chloroprophem	305.00	81322	101213	ug/l
CIPC	305.01	81322	101213	ug/l
Clodrin	306.00	82565	7700176	ug/l
Crotoxyphos	306.01	82565	7700176	ug/l
Coumaphos	307.00	81293	56-72-4	ug/l
Co-Ral	307.01	81293	56724	ug/l
Baymix	307.02	81293	56724	ug/l
Creosote	308.00	39140	1319-77-3	ug/l
Cumene	309.00	77356	98-82-8	ug/l
Isopropylbenzene (Cumene)	309.01	77356	98-82-8	ug/l
Cyanazine	310.00	81757	21725462	ug/l
Cycloate	311.00	81892	1134232	ug/l
Ronnet	311.01	81892	1134232	ug/l
Dalapon	312.00	38432	75-99-0	ug/l
Doupon	312.01	38432	75990	ug/l
Daconil	313.00	70314	1897456	ug/l
Chlorothalonil	313.01	70314	1897456	ug/l
Bravo	313.02	70314	1897456	ug/l
Dacthal	314.00	39778	1861321	ug/l
DCPA	314.01	39778	1861321	ug/l
Chlorthal	314.02	39778	1861321	ug/l
Dimethyltetrachlorophthalate	314.03	39778	1861321	ug/l
DBCP	315.00	38761	96-12-8	ug/l
Dibromochloropropane	315.01	38761	96-12-8	ug/l
DCBA	316.00	38447	99309	ug/l
Dichloran	316.01	38447	99309	ug/l
DDVP	317.00	38775	62737	ug/l
Dichlorvos (DDVP)	317.01	38775	62-73-7	ug/l
Aldicarb sulfoxide	318.00	82586	1646873	ug/l
2,4,5-Trichlorophenoxyacetic acid	319.00	39740	93-76-5	ug/l
Aldicarb sulfone	320.00	82587	1646-88 4	ug/l
Nitrate+Nitrite-N, Total	321.00	00630	17778880	mg/l as N

COMP_NAME	JHK_NO	STORET_NO	CAS_NO	UNITS
Monosodium methyl arsonate	385.01	38935	2163806	ug/L
Acephate	385.02	81815	30560191	ug/L
Alar	386.00	38855	300-76-5	ug/L
Alachlor	386.01	38855	300765	ug/L
Bromex	387.00	79195	1529999	ug/L
Napropamide	387.01	79195	1529999	ug/L
Bevrinol	388.00	38522	555373	ug/L
Neburon	389.00	81308	1836755	ug/L
Nitrofen	390.00	78116	630026	ug/L
n-Octacosane	391.00	77822	629925	ug/L
Nonadecane	392.00	34438	62-75-9	ug/L
N-Nitrosodimethylamine	393.00	77226	103651	ug/L
n-Propylbenzene	394.00	82199	2212671	ug/L
Ordram	394.01	82199	2212671	ug/L
Molinate	394.02	82199	2212671	ug/L
Hydram	395.00	81815	30560191	ug/L
Orthene	396.00	78884	19044883	ug/L
Oryzalin	396.01	78884	19044883	ug/L
Surflan	397.00	39022	80331	ug/L
Ovex	397.01	39022	80331	ug/L
Difenzon	398.00	38865	23135220	ug/L
Oxamyl	399.00	82416	4685147	ug/L
Paraquat	400.00	46315	56382	ug/L
Parathion, Ethyl-	401.00	39600	298000	ug/L
Parathion, Methyl-	402.00	01069	7439921	ug/L
Lead, Dissolved	403.00	01051	7439921	ug/L
Lead, Total	404.00	01056	7439965	ug/L
Manganese, Dissolved	405.00	01125	7439965	ug/L
Manganese, Total Recoverable	406.00	01025	7440439	ug/L
Cadmium, Dissolved	407.00	01027	7440439	ug/L
Cadmium, Total	408.00	01040	7440508	ug/L
Copper, Dissolved	409.00	39020	82688	PCL
PCNB	410.00	77795	608-93-5	ug/L
Pentachlorobenzene	411.00	39034	72560	ug/L
Perthane	411.01	39034	72560	ug/L
Ethylan	412.00	81291	2310170	ug/L
Phosalone	412.01	81291	2310170	ug/L
Zolone	413.00	39610	7786347	ug/L
Phosdrin	413.01	39610	7786-34-7	ug/L
Mevinphos	414.00	78881	13171216	ug/L
Phosphamidon	414.01	78881	13171216	ug/L
Dimecron	415.00	38872	26399360	ug/L
Prefluralin	416.00	39056	1610-18-0	ug/L
Prometon	417.00	39057	7287-19-6	ug/L
Prometryn	418.00	38533	1918167	ug/L
Propachlor	419.00	39080	23950-58-5	ng/KG
Pronamide	419.01	39080	23950-58-5	ng/KG
Kerb	419.02	39080	23950-58-5	ng/KG
propyzamide	420.00	82358	74986	ug/L
Propane	421.00	82065	2312358	ng/L
Propargite	422.00	39026	139-40-2	ug/L
Propazine	423.00	39052	122429	ug/L
Propham	423.01	39052	122429	ug/L
IPC				

COMP_NAME	JHK_NO	STORET_NO	CAS_NO	UNITS
Fluchloralin	354.00	79194	3324539	ug/l
Basalin	354.01	79194	3324539	ug/l
Fluorometuron	355.00	38811	2164172	ug/l
Formaldehyde	356.00	71880	50-00-0	mg/l
g-BHC	357.00	39340	58-89-9	ug/l
Lindane	357.01	39340	58-89-9	ug/l
gamma-Lindane	357.02	39340	58-89-9	ug/l
gamma-Benzene hexachloride	357.03	39340	58-89-9	ug/l
gamma-BHC (Lindane)	357.04	39340	58-89-9	ug/l
Glyphosate	358.00	79743	1071836	ug/l
Guthion	359.00	39580	86-50-0	ug/l
Azinphos-Methyl (Guthion)	359.01	39580	86-50-0	ug/l
Hexazinone	360.00	38815	51235-04-2	ug/l
Velpar	360.01	38815	51235042	ug/l
Imidan	361.00	39800	732116	ug/l
Phosmet	361.01	39800	732116	ug/l
Iron, Total Recoverable	362.00	00980	7439896	ug/l
Kerosene	363.00	78878	8008206	ug/l
Linuron	364.00	38478	330552	ug/l
Mancozeb	365.00	38831	8018017	ug/l
Dithane	365.01	38831	8018017	ug/l
Maneb	366.00	38835	12427382	ug/l
MCPA	367.00	39151	94746	ug/l
MCPA Dimethylamine Salt	367.01	39151	94746	ug/l
2-Methyl-4-chlorophenoxyacetic acid	367.02	39151	94746	ug/l
MCPB	368.00	38486	94815	ug/l
Merphos	369.00	39019	150505	ug/l
Folex	369.01	39019	150505	ug/l
Mesitylene	370.00	77226	108678	ug/l
Metasystox	371.00	39028	8022002	ug/l
Methamidophos	372.00	38927	10265926	ug/l
Monitor	372.01	38927	10265926	ug/l
Methiocarb	373.00	38500	2032-65-7	ug/l
Methidathion	374.00	78879	950378	ug/l
Supracide	374.01	78879	950378	ug/l
Methomyl	375.00	39051	16752775	ug/l
Methyl ethyl ketone	376.00	81595	78-93-3	ug/l
MEK	376.01	81595	78-93-3	ug/l
Butanone	376.02	81595	78-93-3	ug/l
2-Butanone	376.03	81595	78-93-3	ug/l
Surrog: Pyrene-d10 (spike)	377.00			
Methyl Phenols, Total	378.00	45058	1319773	ug/l
Metribuzin	379.00	81408	21087649	ug/l
Sencore	379.01	81408	21087649	ug/l
Mexacarbate	380.00	38507	315184	ug/l
Mirex	381.00	39755	2385855	ug/l
Nodown	382.00	78883	42576023	ug/l
Bifenox	382.01	78883	42576023	ug/l
Monocrotophos	383.00	81890	6923224	ug/l
Azodrin	383.01	81890	6923224	ug/l
Monuron	384.00	38512	150685	ug/l
MSMA	385.00	38935	2163806	ug/l

COMP_NAME	JHK_NO	STORET_NO	CAS_NO	UNITS
Hydrocarbons, Total Petroleum	461.00	46116	14280-30-9	mg/L
TPH	461.01	46116	14280-30-9	mg/L
Hydrocarbons, Total Fuel	462.00			
TFH	462.01			
Lead, Organic	463.00			
4-Chloroaniline	464.00	78303	106478	mg/kg
Di-n-octyl phthalate	465.00	34596	117840	ug/L
Bis(n-octyl)phthalate	465.01	34596	117840	ug/L
Lithium	466.00	01134	7439932	ug/L
Molybdenum	467.00	01129	7439987	ug/L
Tin, Total Recoverable	468.00	00983	7440315	ug/L
Titanium	469.00	00984	7440326	ug/L
PID Reading	470.00			
Gasoline	471.00		6842596	
Diesel	472.00	78939	68476346	ug/L
Hydrocarbons, Total	473.00	81336		mg/L
Surrog: Nitrobenzene-d5	474.00			
Xylene, P*	475.00	77133	106445	ug/L
para-Xylene	475.01	77133	106445	ug/L
p-Xylene	475.02	77133	106423	ug/L
1,4-Dimethylbenzene	475.03	77133	106423	ug/L
p-Dimethylbenzene	475.04	77133	106423	ug/L
Mercury, Total	476.00	71890	7439976	ug/L
Mercury, Dissolved	477.00	71900	7439976	ug/L
Total BTEX	478.00	34103		ug/L
Surrog: 2-Fluorobiphenyl	479.00			
Surrog: 2-Fluorophenol	480.00			
Nickel, Dissolved	481.00	01065	7440020	ug/L
1,2-Diethoxyethane	482.00	81527	629141	ug/L
Nickel, Total	483.00	01067	7440020	ug/L
Selenium, Dissolved	484.00	01145	7782492	ug/L
Selenium, Total	485.00	01147	7782492	ug/L
Total Organics	486.00	81299		ug/L
Volatile Organic Compounds	487.00	78733		mg/L
2-Cyclohexene-1-one	488.00		930697	
Dibromodichloromethane	489.00	77779	594183	ug/L
Endrin Ketone	490.00	78008	72-20-8	ug/L
Chromium, Total	491.00	01034	7440473	ug/L
Chemical Oxygen Demand	492.00	00335		mg/L
COD	492.01	00335		mg/L
Methylene Blue Active Substances	493.00	38260	61-73-6	
Total Trihalomethanes	494.00	82080		ug/L
Silver, Dissolved	495.00	01075	7440224	ug/L
TSS	496.00	82464		mg/L
Solids, Total Suspended	496.01	82464		mg/L
Silicate	497.00	00958		mg/L
Phosphate-P, Diss Ortho	498.00	00671	7723140	mg/L as P
Biochemical Oxygen Demand	499.00	00310		mg/L
BOD	499.01	00310		mg/L
Langlier Index	500.00			
Sodium Absorption Ratio	501.00	00931	7440235	SAR
Specific Conductance (Field)	502.00	00094		umhos/cm

COMP_NAME	JNK_NO	STORET_NO	CAS_NO	UNITS
Isopropyl carbanilate	423.02	39052	122629	ug/l
Propoxur	424.00	38537	114261	ug/l
Baygon	424.01	38537	114261	ug/l
Pyrethrins	425.00	39930	8003347	ug/l
Round-up	426.00	39941	1071836	ug/l
Ronnel	427.00	39357	299843	ug/l
Secbumeton	428.00	38542	26259450	ug/l
Atazine	428.01	38542	26259450	ug/l
Sumitol	428.02	38542	26259450	ug/l
Diuron	429.00	38548	1982496	ug/l
Simazine	430.00	39055	122-34-9	ug/l
Princep	430.01	39055	122349	ug/l
Simetryn	431.00	39054	1014-70-6	ug/l
Stirofos	432.00	38877	961115	ug/l
Swep	433.00	38555	918189	ug/l
Tedion	434.00	39008	116290	ug/l
Tetradifon	434.01	39008	116290	ug/l
TEPP	435.00	39620	107-49-3	ug/l
Tetraethyldiphosphate	435.01	39620	107493	ug/l
Terbuthylazine	436.00	38559	5915413	ug/l
Gardoprim	436.01	38559	5915413	ug/l
Terbutryn	437.00	38887	886500	ug/l
Tetrachlorophenol	438.00	81849	25167833	ug/l
Topsin-M	439.00	78888	23564069	ug/l
Thiophanate	439.01	78888	23564069	ug/l
Triadimefon	440.00	38892	43121433	ug/l
1,2,3-Trichloropropane	441.00	81610	96-18-4	ug/l
D-D Mix	441.01	81610	96-18-4	ug/l
Copper, Total	442.00	01042	7440508	ug/l
Trifluralin	443.00	81284	1582-09-8	ug/l
Treflan	443.01	81284	1582098	ug/l
Trimethyl Benzenes, Total	444.00	78136	25551137	ug/l
Methyl Xylenes, Total	444.01	78136	25551137	ug/l
Vernolate	445.00	82200	1929777	ug/l
Vernam	445.01	82200	1929777	ug/l
Ziram	446.00	38917	137304	ug/l
Dithiocarbamate	446.01	38917	137304	ug/l
Zineb	447.00	38912	12122677	ug/l
pH	448.00	00400		std. units
Specific Conductance	449.00	00095		umhos/cm
EC	449.01	00095		umhos/cm
Conductivity	449.02	00095		umhos/cm
Sodium, Total	450.00	00929	7440235	mg/l
Ion Balance	451.00			%
Nitrate-N	452.00	00620	17778880	mg/l as N
Alkalinity as CaCO3, Total	453.00	00410	471341	mg/l
Bicarbonate as CaCO3	454.00	00425	471341	mg/l
Carbonate as CaCO3	455.00	00430	471341	mg/l
Hydroxide as CaCO3	456.00			
Retene	457.00	73076	483658	ug/l
Surrog: Toluene-d8	458.00			%
BFB	459.00			%
Surrog: 1,2-Dichloroethane-d4	460.00			%

COMP_NAME	JHK_NO	STORET_NO	CAS_NO	UNITS
1,4-Diethylbenzene	550.00	77345	105055	ug/L
p-Diethylbenzene	550.01	77345	105055	ug/L
Trichlorobenzoic acid	551.00		50317	
Isobutylbenzene	552.00	77334	538932	ug/L
2,3,4,5-Tetrachlorophenol	553.00	77767	4901513	ug/L
2,4,5-TB	554.00	82650	93801	ug/Kg
2,4-DB (Water, Total)	555.00	38745	94826	ug/L
Bromoxynil (Water, Whole)	556.00	70979	1689845	ug/L
Dibenz(a,h)anthracene-d14	557.00	79048	53703	mg/Kg
Diethylphthalate-d4	558.00			
IntStd: 2,4,6-Tribromophenol	559.00	34719	118796	ug/L
IntStd: Hexabromobenzene	560.00			
Ioxynil	561.00		16698341	ug/L
MCPP (Water, Total)	562.00	38491	93652	ug/L
Octachloronaphthalene	563.00		2234131	ug/L
Phencapton (Water, Whole)	564.00	81289	2275161	ug/L
Surrog: 2-Chlorophenol-d4 (spike)	565.00		95-97-8	
Surrog: 4-Chloroaniline-d4	566.00			
Surrog: Dibutylchlorendate (spike)	567.00			
Surrog: Fluorene-d10 (spike)	568.00			
Triphenyl phosphate (Water, Whole)	569.00	77881	115866	ug/L
4,7-Methanoisobenzofuran-1(3H)-one*	570.00			ug/L
3,4-Dichlorobenzyl N-methylcarbamate*	571.00		1966581	ug/L
Benzene, 1-chloro-4-(methylsulfonyl*	572.00			
Phosphorodithioic acid, O,O,S-trim*	573.00	39580	86500	ug/L
1-Methylethyl ester carbamic acid	574.00	73615	615532	ug/L
2,3,6-Trichloro benzeneacetic acid	575.00		85347	
2-Methyl-2H-benzotriazole	576.00	85813	29385431	ug/L
Bis(2-ethylhexyl) ester hexanedioic*	577.00		103321	
Xylene Isomers, M+P, Whole Water	578.00	85795		ug/L
Bicyclopropyl methanone	579.00			ug/L
Persulfate-W, Total	580.00		7727540	ug/L
Tetrachlorvinphos	581.00		961-11-5	
Gardona	581.01		961-11-5	
1,2-Dimethylhydrazine	582.00	73562	540738	ug/L
1,4-Dioxane	583.00	82388	123911	mg/L
2 Methoxy-5-nitroaniline	584.00	73622	99558	ug/L
2 Methylaniline	585.00	77142	95534	ug/L
2 Methylaniline hydrochloride	586.00	73649	636215	ug/L
2,4-Toluenediamine	587.00	78888	95807	ug/L
3,3-Dimethoxybenzidine	588.00		199-90-6	ug/L
3,3-Dimethylbenzidine	589.00	73560	119-93-7	ug/L

COMP_NAME	JHK_NO	STORET_NO	CAS_NO	UNITS
Total Organic Halides	503.00	70353		ug/L
Zinc, Dissolved	504.00	01090	7440666	ug/L
Fecal Coliform, MFM-FCBR	505.00	31616		#/100ml
#/100ML	505.01	31616		#/100ml
Coliform, Fecal	506.00	01032	7440473	ug/L
Chromium, Hexavalent	506.01	01032	7440473	ug/L
Chromium VI	507.00	01092	7440666	ug/L
Zinc, Total	508.00	01005	7440393	ug/L
Barium, Dissolved	509.00	01007	7440393	ug/L
Barium, Total	510.00	01105	7429905	ug/L
Aluminum, Total	511.00	01106	7429905	ug/L
Aluminum, Dissolved	512.00	01102	7440315	ug/L
Tin, Total	513.00	01100	7440315	ug/L
Tin, Dissolved	514.00	01012	7440417	ug/L
Beryllium, Total	515.00	01010	7440417	ug/L
Beryllium, Dissolved	516.00	01030	7440473	ug/L
Chromium, Dissolved	517.00	00935	7440097	mg/L
Potassium, Dissolved	518.00	00925	7439954	mg/L
Magnesium, Dissolved	519.00	00920	7439954	mg/L
Magnesium as CaCO3	520.00	00915	7440702	mg/L
Calcium, Dissolved	521.00	00910	7440702	mg/L
Calcium as CaCO3	522.00	01057	7440280	ug/L
Thallium, Dissolved	523.00	01059	7440280	ug/L
Thallium, Total	524.00	01095	7440360	ug/L
Antimony, Dissolved	525.00			
Surrog: p-Terphenyl-d14	526.00			
Surrog: Phenol-d5	527.00	77562	630206	ug/L
1,1,1,2-Tetrachloroethane	528.00			
3-Chloro octane	529.00	39065	5103742	ug/L
gamma-Chlordane	530.00	39348	5103719	ug/L
alpha-Chlordane	531.00	34262	207089	ug/L
Benzo(b/k)fluoranthene	532.00	73386	2303-16-4	mg/Kg
Avadex	532.01	73386	2303-16-4	mg/Kg
Diallate	533.00	32105	124481	ug/L
Bromochloromethane	534.00	77613	87616	ug/L
1,2,3-Trichlorobenzene	535.00	38680	95498	ug/L
2-Chlorotoluene	536.00	77222	95636	ug/L
1,2,4-Trimethylbenzene	537.00	78448	98066	ug/Kg
tert-Butylbenzene	538.00	77356	99876	ug/L
p-Isopropyltoluene	539.00	78483	104518	ug/Kg
n-Butylbenzene	540.00	77277	106434	ug/L
4-Chlorotoluene	541.00	77226	106678	ug/L
1,3,5-Trimethylbenzene	542.00	81555	108861	ug/L
Bromobenzene	543.00	78485	135988	ug/Kg
sec-Butylbenzene	544.00	34561	542756	ug/L
1,3-Dichloropropene	545.00		5408401	
2,2,4-Trimethylpentane	546.00	77168	563586	ug/L
1,1-Dichloropropene	547.00	77170	594207	ug/L
2,2-Dichloropropane	548.00	77340	135013	ug/L
1,2-Diethylbenzene	548.01	77340	135013	ug/L
o-Diethylbenzene	549.00	77348	141935	ug/L
1,3-Diethylbenzene	549.01	77348	141935	ug/L
m-Diethylbenzene				

COMP_NAME	JNK_NO	STORET_NO	CAS_NO	UNITS
4-Chloro-2-methyl aniline hydrochl*	590.00		3165933	ug/L
4-Chloro-2-methyl aniline	591.00		95692	ug/L
4,4-Methylene bis(n,n-dimethyl) an*	592.00		101-61-1	ug/L
Acrylamide	593.00	38576	79-06-1	ug/L
Aramite	594.00		140-57-8	ug/L
Azobenzene	595.00	77625	103-33-3	ug/L
Benzotrichloride	596.00		98077	ug/L
Benzyl chloride	597.00		100447	ug/L
Bis(chloromethyl)ether	598.00	34268	542881	ug/L
Color	599.00	00082		std. units
Corrosivity	600.00			std. units
Direct Black 38	601.00			ug/L
Direct Blue 6	602.00		2602462	ug/L
Direct Brown 95	603.00		16071866	ug/L
Epichlorohydrin	604.00		106898	ug/L
Ethyl acrylate	605.00		140885	ug/L
Ethylene thiourea	348.01	38928	96-45-7	ug/L
Foaming Agents	606.00	01288		mg/L
Folpet	607.00	46351	133073	ug/L
Furazolidone	608.00		67458	ug/L
Furium	609.00			ug/L
Furosemide	610.00		60568050	ug/L
Alpha Particle Activity, gross	611.00	80045		pCi/L
Beta Particle Activity, gross	612.00	85817	12587472	pCi/L
Hexachlorocyclohexane (alpha)	265.04	39337	319846	ug/L
Hexachlorocyclohexane (technical)	132.01	81283	608731	ug/L
N-Nitroso-N-methylethylamine	613.00	73613	10595956	ug/L
N-Nitroso-di-n-butylamine	614.00	73609	924163	ug/L
N-Nitrosodiethanolamine	615.00	73610	1116547	ug/L
N-Nitrosodiethylamine	616.00	73611	55185	ug/L
N-Nitrosopyrrolidine	617.00	78206	930552	ug/L
Nitrofurazone	618.00		59870	ug/L
Odor	619.00			std. units
PAH (Polyaromatic hydrocarbons)	620.00			ug/L
PBB (Polybrominated Biphenyls)	621.00		59536651	ug/L
Propylene oxide	622.00	77011	75569	ug/L
Radium 226	623.00	09501	13982633	pCi/L
Radium 226 & 228	624.00	11503		pCi/L
Strontium-90	625.00	13501	10098972	pCi/L
Trimethyl phosphate	626.00		512561	ug/L
Tritium	627.00	07000	10028178	pCi/L
o-Chloronitrobenzene	628.00		88732	ug/L
o-Phenylenediamine	629.00	75628	106503	ug/L
o-Toluidine	630.00	45007	95534	ug/L
p-Chloronitobenzene	631.00		100005	ug/L
p,a,a,a-Tetrachlorotoluene	632.00			ug/L
	260896.38			

APPENDIX B

WASHINGTON

001 ADAMS
003 ASOTIN
005 BENTON
007 CHELAN
009 CLALLAM
011 CLARK
013 COLUMBIA
015 COWLITZ
017 DOUGLAS
019 FERRY
021 FRANKLIN
023 GARFIELD
025 GRANT
027 GRAYS HARBOR
029 ISLAND
031 JEFFERSON
033 KING
035 KITSAP
037 KITTITAS
039 KLICKITAT
041 LEWIS
043 LINCOLN
045 MASON
047 OKANOGAN
049 PACIFIC
051 PEND OREILLE
053 PIERCE
055 SAN JUAN
057 SKAGIT
059 SKAMANIA
061 SNOHOMISH
063 SPOKANE
065 STEVENS
067 THURSTON
069 WAHKIAKUM
071 WALLA WALLA
073 WHATCOM
075 WHITMAN
077 YAKIMA

APPENDIX C

coordinates based on the Washington coordinate system of 1983 as defined in this chapter.
Enacted by Laws 1989, ch. 54, § 18.

Historical and Statutory Notes

Source:
Former § 58.20.070.

58.20.210. United States survey prevails—Conflict

Whenever coordinates based on the Washington coordinate system of 1983 are used to describe any tract of land which in the same document is also described by reference to any subdivision, line or corner of the United States public land surveys, the description by coordinates shall be construed as supplemental to the basic description of such subdivision, line, or corner contained in the official plats and field notes filed of record, and in the event of any conflict the description by reference to the subdivision, line, or corner of the United States public land surveys shall prevail over the description by coordinates.
Enacted by Laws 1989, ch. 54, § 19.

Historical and Statutory Notes

Source:
Former § 58.20.080.

58.20.220. Real estate transactions—Exemption

Nothing contained in this chapter shall require any purchaser or mortgagee to rely on a description, any part of which depends exclusively upon the Washington coordinate system of 1927 or 1983.
Enacted by Laws 1989, ch. 54, § 20.

Historical and Statutory Notes

Source:
Former § 58.20.090.

58.20.900. Severability—1945 c 168

If any provision of this chapter shall be declared invalid, such invalidity shall not affect any other portion of this chapter which can be given effect without the invalid provision, and to this end the provisions of this chapter are declared to be severable.

Repeal

This section is repealed July 1, 1990, by Laws 1989, ch. 54, § 22. See, then, § 58.20.901.

Library References

Statutes ⇨64(2).
WESTLAW Topic No. 361.
C.J.S. Statutes § 96 et seq.

58.20.901. Severability—1989 c 54

If any provision of this act or its application to any person or circumstance is held invalid, the remainder of the act or the application of the provision to other persons or circumstances is not affected.
Enacted by Laws 1989, ch. 54, § 21.

coordinates based on the Washington coordinate system of 1983 as defined in this chapter.
Enacted by Laws 1989, ch. 54, § 18.

Historical and Statutory Notes

Sources:
Former § 58.20.070.

58.20.210. United States survey prevails—Conflict

Whenever coordinates based on the Washington coordinate system of 1983 are used to describe any tract of land which in the same document is also described by reference to any subdivision, line or corner of the United States public land surveys, the description by coordinates shall be construed as supplemental to the basic description of such subdivision, line, or corner contained in the official plats and field notes filed of record, and in the event of any conflict the description by reference to the subdivision, line, or corner of the United States public land surveys shall prevail over the description by coordinates.
Enacted by Laws 1989, ch. 54, § 19.

Historical and Statutory Notes

Sources:
Former § 58.20.080.

58.20.220. Real estate transactions—Exemption

Nothing contained in this chapter shall require any purchaser or mortgagee to rely on a description, any part of which depends exclusively upon the Washington coordinate system of 1927 or 1983.
Enacted by Laws 1989, ch. 54, § 20.

Historical and Statutory Notes

Sources:
Former § 58.20.090.

58.20.900. Severability—1945 c 168

If any provision of this chapter shall be declared invalid, such invalidity shall not affect any other portion of this chapter which can be given effect without the invalid provision and to this end the provisions of this chapter are [illegible]

Repeal

This section is repealed July 1, 1990, by Laws 1989, ch. 54, § 22. See, then, § 58.20.901.

Library References

Statutes ⇐64(2).
WESTLAW Topic No. 361.
C.J.S. Statutes § 96 et seq.

58.20.901. Severability—1989 c 54

If any provision of this act or its application to any person or circumstance is held invalid, the remainder of the act or the application of the provision to other persons or circumstances is not affected.
Enacted by Laws 1989, ch. 54, § 21.

point relative to the origin of the appropriate zone of this system, expressed in meters and decimals of a meter. These coordinates shall be made to depend upon and conform to the coordinates, on the Washington coordinate system of 1983, of the horizontal control stations of the national geodetic survey within the state of Washington, as those coordinates have been determined, accepted, or adjusted by the survey.
Enacted by Laws 1989, ch. 54, § 13.

Historical and Statutory Notes

Source:
Former § 58.20.030.

58.20.160. Tract in both zones—Description

When any tract of land to be defined by a single description extends from one into the other of the coordinate zones under RCW 58.20.130, the positions of all points on its boundaries may be referred to either of the zones, the zone which is used being specifically named in the description.
Enacted by Laws 1989, ch. 54, § 14.

Historical and Statutory Notes

Source:
Former § 58.20.040.

58.20.170. Zones—Technical definitions

For purposes of more precisely defining the Washington coordinate system of 1983, the following definition by the national geodetic survey is adopted:

The Washington coordinate system of 1983, north zone, is a Lambert conformal conic projection of the GRS 80 spheroid, having standard parallels at north latitudes 47° 30′ and 48° 44′, along which parallels the scale shall be exact. The origin of coordinates is at the intersection of the meridian 120° 50′ west of Greenwich and the parallel 47° 00′ north latitude. This origin is given the coordinates: E = 500,000 meters and N = 0 meters.

The Washington coordinate system of 1983, south zone, is a Lambert conformal conic projection of the GRS 80 spheroid, having standard parallels at north latitudes 45° 50′ and 47° 20′, along which parallels the scale shall be exact. The origin of coordinates is at the intersection of the meridian 120° 30′ west of Greenwich and the parallel 45° 20′ north latitude. This origin is given the coordinates:

Historical and Statutory Notes

Source:
Former § 58.20.050.

58.20.180. Recording coordinates—Control stations

Coordinates based on the Washington coordinate system of 1983, purporting to define the position of a point on a land boundary, may be presented to be recorded in any public land records or deed records if the survey method used for the determination of these coordinates is established in conformity with standards and specifications prescribed by the interagency federal geodetic control committee, or its successor. These surveys shall be connected to monumented control stations that are adjusted to and published in the national network of geodetic control by the national geodetic survey and such connected horizontal control stations shall be described in the land or deed record. Standards and specifications of the committee in force on the date of the survey shall apply. In all instances where reference has been made to such coordinates in land surveys or deeds, the scale and sea level factors shall be stated for the survey lines used in computing ground distances and areas.

The position of the Washington coordinate system of 1983 shall be marked on the ground by horizontal geodetic control stations which have been established in conformity with the survey standards adopted by the committee and whose geodetic positions have been rigorously adjusted on the North American datum of 1983, and whose coordinates have been computed and published on the system defined in RCW 58.20.110 through 58.20.220 and 58.20.901. Any such control station may be used to establish a survey connection with the Washington coordinate system of 1983.
Enacted by Laws 1989, ch. 54, § 16.

Historical and Statutory Notes

Source:
Former §§ 58.20.050, 58.20.060.

58.20.190. Conversion of coordinates—Metric

Any conversion of coordinates between the meter and the United States survey foot shall be based upon the length of the meter being equal to exactly 39.37 inches.
Enacted by Laws 1989, ch. 54, § 17.

58.20.200. Term—Limited use

The term "Washington coordinate system of 1983" c

CHAPTER 58.20

WASHINGTON COORDINATE SYSTEM

WESTLAW Electronic Research

See WESTLAW Electronic Research Guide following the Preface.

58.20.010. United States plane coordinate adopted—Zones

The system of plane coordinates which has been established by the United States coast and geodetic survey for defining and stating the positions or locations of points on the surface of the earth within the state of Washington is hereafter to be known and designated as the "Washington coordinate system of 1927".

For the purpose of the use of this system the state is divided into a "north zone" and a "south zone".

The area now included in the following [illegible]ties shall constitute the north zone: Chelan, Clallam, Douglas, [illegible], Island, Jefferson, King, Kitsap, Lincoln, Okanogan, Pend Or[illegible] San Juan, Skagit,

The area now included in the following counties shall constitute the south zone: Adams, Asotin, Benton, Clark, Columbia, Cowlitz, Franklin, Garfield, that part of Grant lying south of parallel 47° 30' north latitude, Grays Harbor, Kittitas, Klickitat, Lewis, Mason, Pacific, Pierce, Skamania, Thurston, Wahkiakum, Walla Walla, Whitman and Yakima.

Enacted by Laws 1945, ch. 168, § 1. Amended by Laws 1989, ch. 54, § 1.

Repeal

This section is repealed July 1, 1990, by Laws 1989, ch. 54, § 22. See, then, § 58.20.130.

Historical and Statutory Notes

Laws 1989, ch. 54, § 1, in the first paragraph, inserted the date of the coordinate system. Source: RRS § 10724a.

Cross References

Recording co-ordinates, see § 58.20.060.
United States survey to prevail, see § 58.20.080.

Library References

Boundaries ⇐1.
WESTLAW Topic No. 59.
C.J.S. Boundaries § 1 et seq.

58.20.020. Designation of system by zones

As established for use in the north zone, the Washington coordinate system of 1927 shall be named, and in any land description in which it is used it shall be designated, the "Washington coordinate system of 1927, north zone".

As established for use in the south zone, the Washington coordinate system of 1927 shall be named, and in any land description in which it is used it shall be designated, the "Washington coordinate system of 1927, south zone".

Enacted by Laws 1945, ch. 168, § 20. Amended by Laws 1989, ch. 54, §

Repeal

This section is repealed July 1, 1990, by Laws 1989, ch. 54, § 22. See, then, § 58.20.140.

Historical and Statutory [illegible]

Laws 1989, ch. 54, § 2, throughout the section, inserted the date of the coor[illegible] Source: [illegible]

Cross References

Definition of zones, see § 58.20.050.
Washington co-ordinate system defined, see § 58.20.070.

Library References

Boundaries ⇐1, 2.
WESTLAW Topic No. 59.
C.J.S. Boundaries § 1 et seq.

58.20.030. X and Y coordinates

The plane coordinates of a point on the earth's surface, to be used in expressing the position or location of such point in the appropriate zone of this system, shall consist of two distances, expressed in feet and decimals of a foot. One of these distances, to be known as the "x-coordinate", shall give the position in an east-and-west direction; the other, to be known as the "y-coordinate", shall give the position in a north-and-south direction. These coordinates shall be made to depend upon and conform to the coordinates, on the Washington coordinate system of 1927, of the triangulation and traverse stations of the United States coast and geodetic survey within the state of Washington, as these coordinates have been determined by the said survey.
Enacted by Laws 1945, ch. 168, § 3. Amended by Laws 1989, ch. 54, § 3.

Repeal

This section is repealed July 1, 1990, by Laws 1989, ch. 54, § 22. See, then, § 58.20.150.

Historical and Statutory Notes

Laws 1989, ch. 54, § 3, inserted the date of the coordinate system. Source: RRS § 10724c.

Library References

Boundaries ⇐1, 2.
WESTLAW Topic No. 59.
C.J.S. Boundaries § 1 et seq.

58.20.040. Tract in both zones, how described

When any tract of land to be defined by a single description extends from one into the other of the above coordinate zones, the positions of all points on its boundaries may be referred to either of

Repeal

This section is repealed July 1, 1990, by Laws 1989, ch. 54, § 22. See, then, § 58.20.160.

Historical and Statutory Notes

Source: RRS § 10724d.

Library References

Boundaries ⇐1, 10.
WESTLAW Topic No. 59.
C.J.S. Boundaries §§ 1 et seq., 24.

58.20.050. Zones defined

For purposes of more precisely defining the Washington coordinate system of 1927, the following definition by the United States coast and geodetic survey is adopted:

The Washington coordinate system of 1927, north zone, is a Lambert conformal projection of the Clarke spheroid of 1866, having standard parallels at north latitudes 47° 30′ and 48° 44′, along which parallels the scale shall be exact. The origin of coordinates is at the intersection of the meridian 120° 50′ west of Greenwich and the parallel 47° 00′ north latitude. This origin is given the coordinates: x = 2,000,000 feet and y = 0 feet.

The Washington coordinate system of 1927, south zone, is a Lambert conformal projection of the Clarke spheroid of 1866, having standard parallels at north latitudes 45° 50′ and 47° 20′, along which parallels the scale shall be exact. The origin of coordinates is at the intersection of the meridian 120° 30′ west of Greenwich and the parallel 45° 20′ north latitude. This origin is given the coordinates: x = 2,000,000 feet and y = 0 feet.

The position of the Washington coordinate system of 1927 shall be as marked on the ground by triangulation or traverse stations established in conformity with the standards adopted by the United States coast and geodetic survey for first-order and second-order work, whose geodetic positions have been rigidly adjusted on the North American datum of 1927, and whose coordinates have been computed on the system herein defined. Any such station may be used to establish a survey connection with the Washington coordinate system of 1927.
Enacted by Laws 1945, ch. 168, § 5. Amended by Laws 1989, ch. 54, § 4.

Repeal

1989 ch. 54

Historical and Statutory Notes

Laws 1989, ch. 54, § 4, throughout the section, inserted the date of the coordinate system; and, in the second paragraph, in the second sentence, substituted "parallel" for "meridian". Source: RRS § 10724a.

Library References

Boundaries ⇐25.
WESTLAW Topic No. 59.
C.J.S. Boundaries § 61.

58.20.060. Recording coordinates—Conditions

No coordinates based on the Washington coordinate system of 1927, purporting to define the position of a point on a land boundary, shall be presented to be recorded in any public land records or deed records unless such point is within one-half mile of a triangulation or traverse station established in conformity with the standards prescribed in RCW 58.20.050: *Provided*, That said one-half mile limitation may be modified by a duly authorized state agency to meet local conditions.

Enacted by Laws 1945, ch. 168, § 6. Amended by Laws 1989, ch. 54, § 5.

Repeal

This section is repealed July 1, 1990, by Laws 1989, ch. 54, § 22. See, then, § 58.20.180.

Historical and Statutory Notes

Laws 1989, ch. 54, § 5, inserted the date of the coordinate system. Source: RRS § 10726f.

Library References

Boundaries ⇐25.
WESTLAW Topic No. 59.
C.J.S. Boundaries § 61.

58.20.070. Use of term limited

The use of the term "Washington coordinate system of 1927" on any map, report of survey, or other document, shall be limited to coordinates based on the Washington coordinate system of 1927 as defined in this chapter.

Enacted by Laws 1945, ch. 168, § 7. Amended by Laws 1989, ch. 54, § 6.

Repeal

This section is repealed July 1, 1990, by Laws 1989, ch. 54, § 22. See, then, § 58.20.200.

Historical and Statutory Notes

Laws 1989, ch. 54, § 6, inserted the date of the coordinate system in two places. Source: RRS § 10724g.

Library References

Boundaries ⇐2.
WESTLAW Topic No. 59.
C.J.S. Boundaries § 4.

58.20.080. United States survey to prevail

Whenever coordinates based on the Washington coordinate system of 1927 are used to describe any tract of land which in the same document is also described by reference to any subdivision, line or corner of the United States public land surveys, the description by coordinates shall be construed as supplemental to the basic description of such subdivision, line, or corner contained in the official plats and field notes filed of record, and in the event of any conflict the description by reference to the subdivision, line, or corner of the United States public land surveys shall prevail over the description by coordinates.

Enacted by Laws 1945, ch. 168, § 8. Amended by Laws 1989, ch. 54, § 7.

Repeal

This section is repealed July 1, 1990, by Laws 1989, ch. 54, § 22. See, then, § 58.20.210.

Historical and Statutory Notes

Laws 1989, ch. 54, § 7, inserted the date of the coordinate system. Source: RRS § 10726h.

Library References

Boundaries ⇐25.
WESTLAW Topic No. 59.
C.J.S. Boundaries § 61.

58.20.090. Construction of chapter

Nothing contained in this chapter shall require any purchaser or mortgagee to rely on a description, any part of which depends exclusively upon the Washington coordinate system of 1927.

Enacted by Laws 1945, ch. 168, § 9. Amended by Laws 1989, ch. 54, § 8.

Repeal

This section is repealed July 1, 1990, by Laws 1989, ch. 54, § 22. See, then, § 58.20.220.

Historical and Statutory Notes

Laws 1989, ch. 54, § 8, inserted the date of the coordinate system. Source: RRS § 107244.

Library References

Boundaries ⇐1, 25.
WESTLAW Topic No. 59.
C.J.S. Boundaries §§ 1 et seq., 61.

58.20.110. Definitions

Unless the context clearly requires otherwise, the definitions in this section apply throughout RCW 58.20.110 through 58.20.220 and 58.20.901:

(1) "Committee" means the interagency federal geodetic control committee or its successor;

(2) "GRS 80" means the geodetic reference system of 1980 as adopted in 1979 by the international union of geodesy and geophysics defined on an equipotential ellipsoid;

(3) "National geodetic survey" means the national ocean service's national geodetic survey of the national oceanic and atmospheric administration, United States department of commerce, or its successor;

(4) "Washington coordinate system of 1927" means the system of plane coordinates in effect under this chapter until July 1, 1990, which is based on the North American datum of 1927 as determined by the national geodetic survey of the United States department of commerce;

(5) "Washington coordinate system of 1983" means the system of plane coordinates under this chapter based on the North American datum of 1983 as determined by the national geodetic survey of the United States department of commerce.

Enacted by Laws 1989, ch. 54, § 9.

58.20.120. System designation—Permitted uses

Until July 1, 1990, the Washington coordinate system of 1927, or its successor, the Washington coordinate system of 1983, may be used in Washington for expressing positions or locations of points on the surface of the earth. On and after that date, the Washington coordinate system of 1983 shall be the designated coordinate system in Washington. The Washington coordinate system of 1927 may be used only for purposes of reference after June 30, 1990.

Enacted by Laws 1989, ch. 54, § 10.

58.20.130. Plane coordinates adopted—Zones

The system of plane coordinates which has been established by the national geodetic survey for defining and stating the positions or locations of points on the surface of the earth within the state of Washington is designated as the "Washington coordinate system of 1983."

For the purposes of this system the state is divided into a "north zone" and a "south zone."

The area now included in the following counties shall constitute the north zone: Chelan, Clallam, Douglas, Ferry, Island, Jefferson, King, Kitsap, Lincoln, Okanogan, Pend Oreille, San Juan, Skagit, Snohomish, Spokane, Stevens, Whatcom, and that part of Grant lying north of parallel 47° 30' north latitude.

The area now included in the following counties shall constitute the south zone: Adams, Asotin, Benton, Clark, Columbia, Cowlitz, Franklin, Garfield, that part of Grant lying south of parallel 47° 30' north latitude, Grays Harbor, Kittitas, Klickitat, Lewis, Mason, Pacific, Pierce, Skamania, Thurston, Wahkiakum, Walla Walla, Whitman and Yakima.

Enacted by Laws 1989, ch. 54, § 11.

Historical and Statutory Notes

Source:
Former § 58.20.010.

58.20.140. Designation of system—Zones

As established for use in the north zone, the Washington coordinate system of 1983 shall be named, and in any land description in which it is used it shall be designated, the "Washington coordinate system of 1983, north zone."

As established for use in the south zone, the Washington coordinate system of 1983 shall be named, and in any land description in which it is used it shall be designated, the "Washington coordinate system of 1983, south zone."

Enacted by Laws 1989, ch. 54, § 12.

Historical and Statutory Notes

Source:
Former § 58.20.020.

58.20.150. Designation of coordinates—"N" and "E"

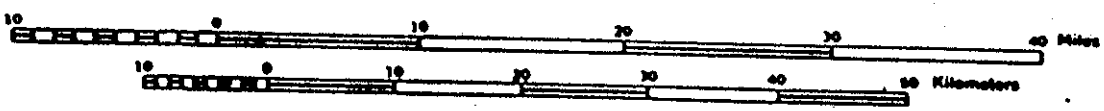
"N" and "E" shall be used in labeling coordinates of a point on the earth's surface and in expressing the position or location of such

APPENDIX D

HYDROLOGIC UNIT MAP—1974
STATE OF WASHINGTON

Scale 1:500,000

1 inch equals approximately 8 miles



Datum is mean sea level

Compiled, edited, and published by the Geological Survey. 1927 North American datum
Lambert conformal conic projection based on standard parallels 33° and 45°

LEGEND

or village

oundary shown for towns over 5,000 population

SOURCE DATA

U. S. Dept. of the Interior—Geological Survey topographic maps

U. S. Dept. of the Army—A. M. S. 1:250,000 scale maps

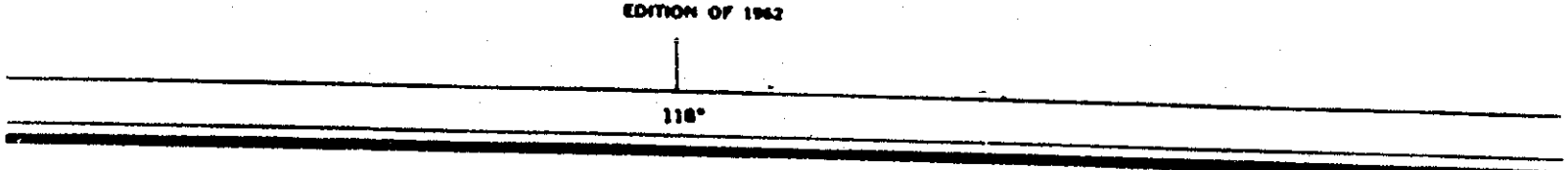
BASE MAP

POPULATION KEY

SEATTLE..... more than 100,000
YAKIMA..... 25,000 to 100,000
Olympia..... 5,000 to 25,000
Ritzville..... 1,000 to 5,000
Concrete..... less than 1,000

Populations indicated by size of letters

COMPILED IN 1961
EDITION OF 1962



INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1974

W/

For sale by U.S. Geological Survey
Denver, Colo. 80225 and Reston, Va. 22092. price $1.25

APPENDIX E

LIST OF QUALIFIERS FOR NUMERIC RESULTS

REMARK CODE	DEFINITION
B	Analyte is found in the blank as well as the sample, indicated possible/probable blank contamination.
J	Estimated value; not accurate.
M	Presence of material verified but not quantified
U or K	Compound was analyzed for bur not detected. The associated numerical values is the sample quantitatic detection limit.
UJ	Compound was analyzed for bur not detected. The number is the estimated minimum detection limit.
C	The value is one of, or the sum of both, Benzo (b) Fluoranthene and Benzo (k) Fluoranthene.
X	Many background organisms.
H	Over holding time. Analysis run.
G	Improper container.
Z	Sample low due to interfering substance.
D	Sample high due to interfering substance.
IS	Interfering Substance.
P	Greater than (>).
A	Less than (<).
LMX	Lab Matrix Number.
LBK	Lab Blank Number.

Data Qualifier Definitions

For the purpose of this document the following code letters and associated definitions are provided:

dr	- dry weight
wt	- wet weight
R	- The data are unusable (compound may or may not be present). Resampling and reanalysis is necessary for verification.
N	- Presumptive evidence of presence of material.
NJ	- Presumptive evidence of the presence of the material at an estimated quantity.
UJ	- The material was analyzed for, bur was not detected. The sample quantitation limit is an estimated quantity.

The reviewer may determine that qualifiers other than those used in thi document are necessary to describe or qualify the data. In these instances, it is the responsibility of each reporting enity to thoroughly document/explain the qualifiers used and notify Ecology Pric to submition of data packages.

YAKIMA RAILROAD AREA
Bottled Water
Enforcement Order
Amendment

ESN 500

STATE OF WASHINGTON

DEPARTMENT OF ECOLOGY

106 South 6th Ave. • Yakima, Washington 98902-3387 • (509) 575-2490

January 28, 1993

CERTIFIED MAIL
P 868 668 774

Bernie Noonan
Burlington Northern Railroad Company
9401 Indian Creek Parkway
Overland Park, KS 66201-9136

Dear Mr. Noonan:

RE: Amendment to Order No. DE 92TC-C108 to include Burlington Northern Railroad Company (BNRR) as a Respondent

Amendments to Order No. DE 92TC-C108 to include Burlington Northern Railroad Company as a respondent are enclosed. All other sections not specifically mentioned by these amendments also apply.

Page 1: "In the matter of compliance by ..." add: Burlington Northern Railroad Company.

Page 2: Add: Burlington Northern Railroad Company
9401 Indian Creek Parkway
Overland Park, KS 66201-9136

Page 3, item 2.3, line 4: "... and Hahn Motor Company..." delete "and", text shall read: "..., Hahn Motor Company, and Burlington Northern Railroad Company (hereinafter referred..."

Page 4, Item 2.6: Add: "K) Morrison Knudson Engineers. January 1987. "Preliminary Site Characterization Report, Woods Industries Site, Yakima, Washington."

L) Burlington Environmental Inc. October, 1992. "Remedial Investigation Report, Woods Industries Site, Yakima, Washington. Volumes I-III.""

Page 5, item 3.2: Add: Parcel Number 1913312001

Page 6, item 3.5: Add as last sentence: "By letter dated April 1, 1992 Ecology informed Burlington Northern Railroad of its status as a Potentially Liable Person, after notice and opportunity for comment."

Please direct any questions regarding this Order to either myself or Rick Roeder at (509) 454-7837.

Sincerely,

Anthony W. Grover
Section Manager
Toxics Cleanup Program

AWG:RR:vw
s:92_108.bn

Enclosure: Enforcement Order DE 92TC-C108 and Amendments

cc: Christina Beusch, AAG, Olympia
Tony Valero, WDOE, CRO
Rick Roeder, WDOE, CRO
Ross A. Mcfarlane, Attorney
Preston, Thorgrimson, Shidler, Gates & Ellis

CHUCK CLARKE
Governor
Director

Yakima RAILROAD AREA
Bottled Water
Enforcement order
Amendment

FSN 500

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
106 South 6th Ave. • Yakima, Washington 98902-3387 • (509) 575-2490

August 28, 1992

Richard Hahn
Hahn Motor Company
1201 South First Street
P. O. Box 382
Yakima, WA 98907-0382

Dear Mr. Hahn:

RE: Amendment to Order No. DE 92TC-C108 to include Hahn Motor Company as a Respondent

Amendments to Order No. DE 92TC-C108 to include Hahn Motor Company as a Respondent are enclosed. All other sections not specifically mentioned by these amendments also apply.

Page 1: "In the matter of compliance by ...." add: Hahn Motor Company.

Page 2. Add: Mr. Richard Hahn
Hahn Motor Company
1201 South First Street
P. O. Box 382
Yakima, WA 98907-0382

Page 3, item 2.3, line 4: "... and Briar Development Company ..." delete "and", text shall read: "... Briar Development Company and Hahn Motor Company (hereinafter referred ...."

Page 4, item 2.6, add:

(j) Earth Consultants, Inc., October 25, 1989. "Preliminary Integrity Assessment of two Underground Storage Tanks (UST's) and Three Industrial Waste Water Sumps " Prepared for Hahn Motor Company.

Page 5, item 3 2, add:

Parcel Number 19133013002 and 19133013023
Parcel Number 19133012008

Page 6, item 3.5, add as last sentence:

> By letter dated February 28, 1992, Ecology informed Hahn Motor Company of its status as a Potentially Liable Person, after notice and opportunity for comment.

Please direct any questions regarding this Order to either myself or Mr. Tony Valero at (509) 454-7833

Sincerely,

Anthony W. Grover
Section Manager
Toxics Cleanup Program

AWG:TV:ch
920850 tc

cc: Christina Beusch - AAG
Tony Valero - Ecology
James K. Adams, Attorney
Kurtz, Hurley, Lara & Adams

YAKIMA RAILROAD AREA
Bottled Water enforcement
Order Amendment
FSU 500

STATE OF WASHINGTON

DEPARTMENT OF ECOLOGY

106 South 6th Ave. • Yakima, Washington 98902-3387 • (509) 575-2490

July 27, 1993

CERTIFIED MAIL
P 141 990 584

Mr. Robert S. Williams
842 Nylarol
Moscow, ID 83843

Dear Mr. Williams:

RE: Amendment to Order No. DE 92TC-C108 to include Westco Martinizing, Robert S. Williams, and Agri-Tech, Inc. as Respondents

Amendments to Order No. DE 92TC-C108 to include Westco Martinizing, Robert S. Williams, and Agri-Tech, Inc. as respondents are enclosed. All other sections not specifically mentioned by these amendments also apply.

Page 1: "In the matter of compliance by ..." add: Westco Martinizing, Robert S. Williams, and Agri-Tech, Inc.

Page 2: Add: William F. Winkle
Westco Martinizing
3430 Americana Terrace
Boise, ID 83760

Robert S. Williams
842 Nylarol
Moscow, ID 83843

Robert Coffelt
Agri-Tech, Inc.
Box 448
Woodstock, VA 22664

Page 3, item 2.3, line 4: "...and Burlington Northern Railroad Company ..." delete "and", text shall read: "..., Burlington Northern Railroad Company, Westco Martinizing, Robert S. Williams, and Agri-Tech, Inc. (hereinafter referred..."

Page 4, Item 2.6: Add: M) Washington Department of Ecology. February 1993. "Investigation of Potentially Liable Persons

(PLPs), Soil and Groundwater Contamination, Yakima Railroad Area, Yakima, WA"

N) Sampling conducted by Ecology at the Westco Facility, on May 12, 1993 (See Ecology files)

O) Sampling conducted by Ecology at the Agri-Tech Facility on May 4, 1993 (See Ecology files)

Page 5, item 3.2: Add: Parcel Numbers 19133141009, 19133141011, 19133141409, 18132431407.

Page 6, item 3.5: Add as last sentence: "By letters dated July 7, 1993 Ecology informed Westco Martinizing, Robert S. Williams, and Agri-Tech, Inc. of their status as Potentially Liable Persons, after notice and opportunity for comment."

Please direct any questions regarding this Order to either myself or Rick Roeder at (509) 454-7837.

Sincerely,

Anthony W. Grover
Section Manager
Toxics Cleanup Program

AWG:RR:vw
g:yrra\bwamend.2

Enclosure: Enforcement Order DE 92TC-C108 and Amendments

cc: Christina Beusch, AAG, Olympia
Tony Valero, WDOE-CRO
Rick Roeder, WDOE-CRO
Kevin Roy, Attorney,
Roy & Pell

STATE OF WASHINGTON

DEPARTMENT OF ECOLOGY

106 South 6th Ave. • Yakima, Washington 98902-3387 • (509) 575-2490

July 27, 1993

CERTIFIED MAIL
P 141 990 585

Mr. Robert Coffelt
Agri-Tech, Inc.
Box 448
Woodstock, VA 22664

Dear Mr. Coffelt:

RE: Amendment to Order No. DE 92TC-C108 to include Westco Martinizing, Robert S. Williams, and Agri-Tech, Inc. as Respondents

Amendments to Order No. DE 92TC-C108 to include Westco Martinizing, Robert S. Williams, and Agri-Tech, Inc. as respondents are enclosed. All other sections not specifically mentioned by these amendments also apply.

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Page 2: Add: William F. Winkle
Westco Martinizing
3430 Americana Terrace
Boise, ID 83760

Robert S. Williams
842 Nylarol
Moscow, ID 83843

Robert Coffelt
Agri-Tech, Inc.
Box 448
Woodstock, VA 22664

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Page 4, Item 2.6: Add: M) Washington Department of Ecology. February 1993. "Investigation of Potentially Liable Persons

(PLPs), Soil and Groundwater Contamination, Yakima Railroad Area, Yakima WA"

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Page 6, item 3.5: Add as last sentence: "By letters dated July 7, 1993 Ecology informed Westco Martinizing, Robert S. Williams, and Agri-Tech, Inc. of their status as Potentially Liable Persons, after notice and opportunity for comment."

Please direct any questions regarding this Order to either myself or Rick Roeder at (509) 454-7837.

Sincerely,

Anthony W. Grover
Section Manager
Toxics Cleanup Program

AWG:RR:vw
g:yrn\bwamend.3

Enclosure: Enforcement Order DE 92TC-C108 and Amendments

cc: Christina Beusch, AAG, Olympia
Tony Valero, WDOE-CRO
Rick Roeder, WDOE-CRO
Kevin Roy, Attorney,
Roy & Pell

STATE OF WASHINGTON

DEPARTMENT OF ECOLOGY

106 South 6th Ave. • Yakima Washington 98902-3387 • (509) 575-2490

July 27, 1993

CERTIFIED MAIL
P 141 990 583

Mr. William F. Winkle
Westco Martinizing
3430 Americana Terrace
Boise, ID 83706

Dear Mr. Winkle:

RE: Amendment to Order No. DE 92TC-C108 to include Westco Martinizing, Robert S. Williams, and Agri-Tech, Inc. as Respondents

Amendments to Order No. DE 92TC-C108 to include Westco Martinizing, Robert S. Williams, and Agri-Tech, Inc. as respondents are enclosed. All other sections not specifically mentioned by these amendments also apply.

Page 1: "In the matter of compliance by ..." add: Westco Martinizing, Robert S. Williams, and Agri-Tech, Inc.

Page 2: Add: William F. Winkle
Westco Martinizing
3430 Americana Terrace
Boise, ID 83760

Robert S. Williams
842 Nylarol
Moscow, ID 83843

Robert Coffelt
Agri-Tech, Inc.
Box 448
Woodstock, VA 22664

Page 3, item 2.3, line 4: "...and Burlington Northern Railroad Company ..." delete "and", text shall read: "..., Burlington Northern Railroad Company, Westco Martinizing, Robert S. Williams, and Agri-Tech, Inc. (hereinafter referred..."

Page 4, Item 2.6: Add: M) Washington Department of Ecology. February 1993. "Investigation of Potentially Liable Persons

(PLPs), Soil and Groundwater Contamination, Yakima Railroad Area, Yakima WA"

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O) Sampling conducted by Ecology at the Agri-Tech Facility on May 4, 1993 (See Ecology files)

Page 5, item 3.2: Add: Parcel Numbers 19133141009, 19133141011, 19133141409, 18132431407.

Page 6, item 3.5: Add as last sentence: "By letters dated July 7, 1993 Ecology informed Westco Martinizing, Robert S. Williams, and Agri-Tech, Inc. of their status as Potentially Liable Persons, after notice and opportunity for comment."

Please direct any questions regarding this Order to either myself or Rick Roeder at (509) 454-7837.

Sincerely,

Anthony W. Grover
Section Manager
Toxics Cleanup Program

AWG:RR:vw
g:yrra\bwamend.1

Enclosure: Enforcement Order DE 92TC-C108 and Amendments

cc: Christina Beusch, AAG, Olympia
Tony Valero, WDOE-CRO
Rick Roeder, WDOE-CRO
Kevin Roy, Attorney,
Roy & Pell