

October 10, 2018

Department of Ecology
Attn: Ted Uecker
4601 N. Monroe St., Suite 202
Spokane, WA 99205-1295

RE: Spokane Motorsports Park/Project Status Report
Facility Site ID: 7114348
VCP Project #: EA0197

Dear Ted,

Spokane County has prepared this submittal which summarizes all site cleanup activities since our last status report.

If you have comments or questions, please call me at (509) 238-6607.

Sincerely,

Austin Stewart

Austin Stewart
Water Resources Specialist

PROJECT SUMMARY MEMORANDUM

TO: TED UECKER/ DEPARTMENT OF ECOLOGY
FROM: AUSTIN STEWART
SUBJECT: Spokane County Motorsports Park (VCP Project #: EA0197)
DATE: OCTOBER 10, 2018

This memorandum provides a brief summary of the Voluntary Cleanup Program site activities Spokane County has performed at the Spokane Motorsports Park since the last Project Status Report submitted to the Department of Ecology in October 2012.

Wells Abandoned

A proposal for abandoning the three shallow monitoring wells (MW-1, MW-2, and MW-3) and the water well (Well # 1) was reviewed and accepted by Ecology in November 2014. As required in RCW 18.104, the wells were decommissioned by a licensed well driller in May 2015. Documentation is provided in Attachment A.

Groundwater Sampling Activities

Spokane County conducted quarterly groundwater sampling in the deep monitoring wells (MW-4, MW-5, MW-6, and MW-7) from January 2013 through September 2015. See Attachment B for a well location map. The County switched to sampling on an annual basis after the sampling event on 9/15/2015. The TCE analysis results and groundwater elevation data for this time period are presented in Attachment C. The concentration of TCE dropped below the cleanup criteria of 5 ug/L in all of the monitoring wells for the first time since TCE sampling commenced in 2011. Monitoring well MW-7 shows TCE concentration below, or just at, the method reporting limit (MRL) of 0.5 ug/L. Concentrations for MW-4 and MW-5 remained above the MRL in June 2017, but decreased to below the MRL in June/August 2018. TCE Concentration in MW-6 had decreased to below the MRL over the past few years, but concentrations were detected in the well again starting in June 2017. There appears to be a continued increase in TCE concentration for MW-6 as the overall concentrations for the rest of the monitoring wells continue to decrease, indicating a possible plume migration to the southeast, which is consistent with the groundwater flow direction mapping in Attachment F (below). All groundwater elevations in the deep monitoring wells continue to show a significant increase with the unusually precipitous winter following a period of decreasing trends across the entire site that began in July 2013.

Data Submitted to EIM Database

All environmental sampling data collected from this site has been prepared and entered into Ecology's EIM database as required. Data collected subsequent to this status report will be entered annually.

Plan and Schedule for Cleanup

Although all of the monitoring wells at the Spokane County Motorsports Park have dropped below the cleanup criteria of 5 ug/L, there appears to be a possible plume migration to the southeast from wells MW-4 and MW-5 towards MW-6. Spokane County plans to implement an independent sampling event for MW-6 in the fall/winter of 2018 to determine if the concentration of TCE has risen above the cleanup criteria of 5 ug/L due to the possible plume migration. If the laboratory results confirm that the concentration of TCE is still below the cleanup criteria of 5 ug/L, the County will collect samples on a quarterly basis for one year, starting in March 2019. If the TCE concentrations for all monitoring wells remain below the cleanup criteria after one year of quarterly sampling, Spokane County will submit to Ecology a request for no further action. If the laboratory results conclude that the TCE concentration has risen in MW-6, then the County will continue collecting TCE samples at the four monitoring wells on an annual basis until all wells have TCE concentrations below the cleanup level. The next round of annual sampling is scheduled for June 2019. Spokane County will submit a status report of environmental site activities on an annual basis.

ATTACHMENT A- DECOMMISSION DOCUMENTATION

WELL DECOMMISSIONING APPLICATION

Spokane Regional Health District

Environmental Health Division

1101 W College Avenue

Spokane, WA 99201

(509) 324-1600

Don C.



See Reverse Side For Instructions

Site Address: Hayford Rd Parcel #: 15135.0025
 Applicant: Spokane Co. Phone: 509-477-3693
 Applicant Mailing Address: 1101 W College Ave Ste 241B
 City: Spokane State: WA Zip: 99201
 Is Applicant the Property Owner Yes No
 If No, Property Owner/Address: _____

Well Log Available Yes No Please Attach Copy Of Well Log If Available
 Type of Well: Drilled Dug Driven Other _____
 Well Depth: 442' Well Diameter: 6 Static Water Level: 240'
 Casing/Liner Type: Steel Depth: 244
 Well Drilling Company Hired: Fogle Pump & Supply Phone: 509-244-0846
 Well Driller's Name: Marty Jensen Driller's License #: 1033
 Approximate Work Start Date: ?? Ecology Start Card #: AE 31979
 List sources of contamination within 100 feet (e.g. septic tanks, drainfields, landfills)
N/A
 Describe Method of Decommissioning * fill well with chips to 244' - fill casing w/ grout - pull casing and cap with bentonite chips

* Decommissioning must be completed per WAC 173-160 unless a variance is granted by Spokane Regional Health District. Well decommissioning must be performed by a licensed well driller.

PLEASE ATTACH SKETCH OF LOCATION OF WELL ON PROPERTY

FOR HEALTH DISTRICT USE ONLY
 Date Received: 5/12/15
 Application Approved By: [Signature] Date: 5/18/15
 Completed Work Approved By: [Signature] Date: 6/3/15
 Comments: BAILED well poured 48 BAGS of Hole Plug pulled to 20' above
poured 6 BAGS Hole Plug pulled 20' case put 5 BAGS hole plug pumped case with 48 BAGS grout
poured 48 BAGS #5 seal case pulled case poured 10 BAGS #5 seal case pulled case

Well LOCATION LAT 47-3938.24
LONG -117 34 22.88

RECEIVED

MAY 12 2015

SRHD - ENVIRONMENTAL PUBLIC HEALTH

FOGLE PUMP & SUPPLY, INC.
 12019 W Sunset Hwy
 PO Box 1450
 Airway Heights WA 99001
 509-244-2840

INVOICE

INVOICE NO
 S10112

SOLD TO SPOKANE COUNTY PUBLIC
 WORKS
 MICA LANDFILL
 7810 S HIDDEN HOLLOW DRIVE
 SPOKANE, WA 99023

SHIP TO

Payrequest #1 - final

ACCOUNT NO	PO NUMBER	SHIP VIA	DATE SHIPPED	TERMS	INVOICE DATE	PAGE
SPKCO PW	P9324			Cash	6/9/2015	1

ITEM NO	QUANTITY	DESCRIPTION	UNIT PRICE	EXTENDED
	1	PER BID; DEOMMISSION WELLS 3 MONITOR 1 WATER	15,980.00	15,980.00
	-1	CASH DISCOUNT 5%	799.00	-799.00

ITEM TOTAL 15,181.00
 TAX 1,229.66
TOTAL AMOUNT 16,410.66

WATER WELL REPORT

State of Washington Date Printed: 10-Jun-2015 Log No. 0
 Construction / Decommission: Original
 Decommission Construction Notice

CURRENT
 Notice of Intent No.: AE31979
 Unique Ecology Well I.D. No
 Water Right Permit Number:
 OWNER: SPOKANE CO, GARY MILES
 OWNER ADD 1101 W. COLLEGE AVE STE 241B
 SPOKANE, WA 99201
 Well Add HAYFORD RD
 City: Airway Heights, WA 99001 County: Spokane
 Location: NE 1/4 SE 1/4 Sec 13 T 25 R 41 EW
 Lat/Long: Lat Deg Lat Min/Sec
 (s, t, r still) Long Deg Long Min/Sec
 REQUIRED)
 Tax Parcel No.: 15135.0025

PROPOSED USE:

TYPE OF WORK: Owners's Well Number: (If more than one well)
 Method:

DIMENSIONS: Diameter of well: inches
 Drilled 0 ft. Depth of completed well ft.

CONSTRUCTION DETAILS: Casing installed
 " Dia from ft. to ft.
 " Dia from ft. to ft.
 " Dia from ft. to ft.

Perforations: No Used In:
 Type of perforator used
 SIZE of perforations in. by in.
 Perforations from ft. to ft.
 Perforations from ft. to ft.
 Perforations from ft. to ft.

Screens: 0 K-Pac Location:
 Manufacture's Name
 Type: Model No
 Diam. slot size: from ft. to ft.
 Diam. slot size: from ft. to ft.

Gravel/Filter packed: No Size of Gravel
 Material placed fro ft. to ft.

Surface seal: No To what depth ft.
 Seal method: Material used in seal
 Did any strata contain unusable water No
 Type of water Depth of strata
 Method of sealing strata off

PUMP: Manufacture's name
 Type: H.P. 0

WATER LEVELS Land-surface elevation above mean sea level: 0 ft.
 Static level ft. below top of well Date
 Artesian Pressure lbs per square inch Date
 Artesian water controlled by

WELL TESTS: Drawdown is amount water level is lowered below static level.
 Was a pump test made No If yes, by whom
 Yield: gal/min with ft drawdown after
 Yield: gal/min with ft drawdown after
 Yield: gal/min with ft drawdown after
 Recovery data (time taken as zero when pump turned off)(water level measured from well top to water level)

Time:	Water Level	Time:	Water Level	Time:	Water Level

 Date of test:
 Bailer test gal/min ft drawdown after hrs.
 Air test gal/min w/ stem set at ft. for hours
 Artesian flow gpm Date
 Temperature of water Was a chemical analysis made No

CONSTRUCTION OR DECOMMISSION PROCEDURE
 Formation: Describe by color, character, size of material and structure. Show thickness of aquifers and the kind and nature of the material in each stratum penetrated. Show at least one entry for each change in formation.

Material	From	To

Notes: *Grout*
 8" CASING, PULLED 20', WELL WAS FILLED FROM BOTTOM TO 250' WITH BENTONITE CHIPS. REMAINDER OF WELL WAS FILLED WITH BENTONITE ~~GROUT~~ AND CHIPS AS CASING/LINER WAS PULLED. CAPPED WITH #5 BENTONITE.

Work starte 05/18/2015 Complete 05/20/2015

WELL CONSTRUCTION CERTIFICATION:
 I constructed and/or accept responsibility for construction of this well and its compliance with all Washington well construction standards. Materials used and the information reported are true to my best knowledge and belief.

Driller Engineer Trainee
 Name: MARTY JENSEN License No.: 1933
 Signature: *Marty Jensen*

If trainee, Licensed driller is: License No.:
 Licensed Driller Signature

Drilling Company:
 NAME: FOGLE PUMP & SUPPLY, INC. Shop: AIRWAY HEI
 ADDRESS: PO BOX 1450
 Airway Heights, WA 99001
 Phone: (509) 244-0846 Toll Free: (888) 343-9355
 E-Mail: marty@foglepump.com
 FAX: (509) 244-2875 WEB Site: WWW.FOGLEPUMP.COM
 Contractor's
 Registration No.: FOGLEPS095L4 Date Log Created: 6/10/2015

WATER WELL REPORT

State of Washington Date Printed: 11-Jun-2015 Log No. 0
 Construction / Decommission: Original
 Decommission Construction Notice

CURRENT
 Notice of Intent No.: AE31980
 Unique Ecology Well I.D. No
 Water Right Permit Number:
 OWNER: SPOKANE CO, GARY MILES

PROPOSED USE:

TYPE OF WORK: Owners's Well Number: (If more than one well)
 Method:

DIMENSIONS: Diameter of well: inches
 Drilled 0 ft. Depth of completed well ft.

CONSTRUCTION DETAILS: Casing installed
 Liner installed: " Dia from ft. to ft.
 " Dia from ft. to ft.
 " Dia from ft. to ft.

Perforations: No Used In:
 Type of perforator used
 SIZE of perforations in. by in.
 Perforations from ft. to ft.
 Perforations from ft. to ft.
 Perforations from ft. to ft.

Screens: 0 K-Pac Location:
 Manufacture's Name
 Type: Model No
 Diam. slot size: from ft. to ft.
 Diam. slot size: from ft. to ft.

Gravel/Filter packed: No Size of Gravel
 Material placed fro ft. to ft.

Surface seal: No To what depth ft.
 Seal method: Material used in seal
 Did any strata contain unusable water No
 Type of water Depth of strata
 Method of sealing strata off

PUMP: Manufacture's name
 Type: H.P. 0

WATER LEVELS Land-surface elevation above mean sea level: 0 ft.
 Static level NOT ft. below top of well Date 05/21/2015
 Artesian Pressure lbs per square inch Date
 Artesian water controlled by

WELL TESTS: Drawdown is amount water level is lowered below static level.
 Was a pump test made No If yes, by whom
 Yield: gal/min with ft drawdown after
 Yield: gal/min with ft drawdown after
 Yield: gal/min with ft drawdown after
 Recovery data (time taken as zero when pump turned off)(water level measured from well top to water level)

Time:	Water Level	Time:	Water Level	Time:	Water Level

 Date of test:
 Bailor test gal/min ft drawdown after hrs.
 Air test gal/min w/ stem set at ft. for hours
 Artesian flow gpm Date
 Temperature of water Was a chemical analysis made No

OWNER ADD 1101 W. COLLEGE AVE STE 241B
 SPOKANE, WA 99201.
 Well Add HAYFORD RD
 City: Airway Heights, WA 99001 County: Spokane
 Location: SE 1/4 NE 1/4 Sec 13 T 25 R 41 EW
 Lat/Long: (s, t, r still) Lat Deg Lat Min/Sec
 REQUIRED) Long Deg Long Min/Se
 Tax Parcel No.: 151350025


CONSTRUCTION OR DECOMMISSION PROCEDURE
 Formation: Describe by color, character, size of material and structure. Show thickness of aquifers and the kind and nature of the material in each stratum penetrated. Show at least one entry for each change in formation.

Material	From	To
	0	0

Notes:
 WELL LOG ID TAGS BBH644, BBH645, BBH646. STATIC LEVEL 15', 15', 19' ON 5/21/2015. WELLS WERE FILLED FROM BOTTON UP WITH BENTONITE CHIPS. MONUMENTS REMOVED, PVC CUTOFF AND CAPPED WITH A 2" SLIP CAP.

Work starte 05/21/2015 Complete 05/21/2015

WELL CONSTRUCTION CERTIFICATION:
 I constructed and/or accept responsibility for construction of this well and its compliance with all Washington well construction standards. Materials used and the information reported are true to my best knowledge and belief.

Driller Engineer Trainee
 Name: MARTY JENSEN License No.: 1933
 Signature: 

If trainee, Licensed driller is: License No.:
 Licensed Driller Signature

Drilling Company:
 NAME: FOGLE PUMP & SUPPLY, INC. Shop: AIRWAY HEI
 ADDRESS: PO BOX 1450
 Airway Heights, WA 99001
 Phone: (509) 244-0846 Toll Free: (888) 343-9355
 E-Mail: marty@foglepump.com
 FAX: (509) 244-2875 WEB Site: WWW.FOGLEPUMP.COM
 Contractor's
 Registration No.: FOGLEPS095L4 Date Log Created: 6/11/2015

State of Washington
 Department of Labor & Industries
 Prevailing Wage Section – Telephone 360-902-5335
 PO Box 44540, Olympia, WA 98504-4540

Statement of Intent to Pay Prevailing Wage

Document Received	Intent Id:	Affidavit Id:	Status: Approved On
Date: 6/22/2015	702449		6/23/2015

Company Details

FOGLE PUMP & SUPPLY INC	UBI#: 600644731
316 W 5TH	Reg#: FOGLEPS095L4
COLVILLE, WA 99114	E-mail: sue@foglepump.com
509-684-2569	

Industrial Insurance Account Id:	43533001
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Filed By	Cordrey, Vicky
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Prime Contractor

Company Name	FOGLE PUMP & SUPPLY INC
Contractor Registration No.	FOGLEPS095L4
WA UBI Number	600644731
Phone Number	509-684-2569

Project Information

Awarding Agency	SPOKANE PARKS & RECREATION 808 W SPOKANE FALLS BLVD SPOKANE, WA – 99201
Awarding Agency Contact	Gordon Fisette
Awarding Agency Contact Phone Number	509-370-5853

Contract Number	P9324
Project Name	Spokane Raceway Park Well Decommission
Bid due date	4/24/2015
Award Date	4/27/2015
Project Site Address or Directions	

Intent Details

Does your company intend to hire subcontractors to perform all work?	No
Does your company intend to hire any subcontractors?	No
Will your company have employees perform work on this project?	Yes
Do you intend to use any apprentices? (apprentices are considered employees.)	No
Will this project utilize American Recovery and Reinvestment Act (ARRA) funds?	No
Specifically, will this project utilize any weatherization or energy efficiency upgrade funds (ARRA or otherwise)?	No
How many owner/operators performing work on the project own 30% or more of the company?	0
What is the estimated contract amount? Or is this a time and materials estimate?	\$16,410.66
Expected project start date: (MM-DD-YYYY)	5/18/2015
In what county (or counties) will the project be done?	Spokane
In what city (or nearest city) will the project be done?	Spokane

Journey Level Wages

County	Trade	Occupation	Wage	Fringe	# Workers
Spokane	Well Drillers & Irrigation Pump Installers	Well Driller	\$18.00	\$0.00	1
Spokane	Well Drillers & Irrigation Pump Installers	Oiler	\$10.00	\$0.00	1

Show/Hide Existing Notes

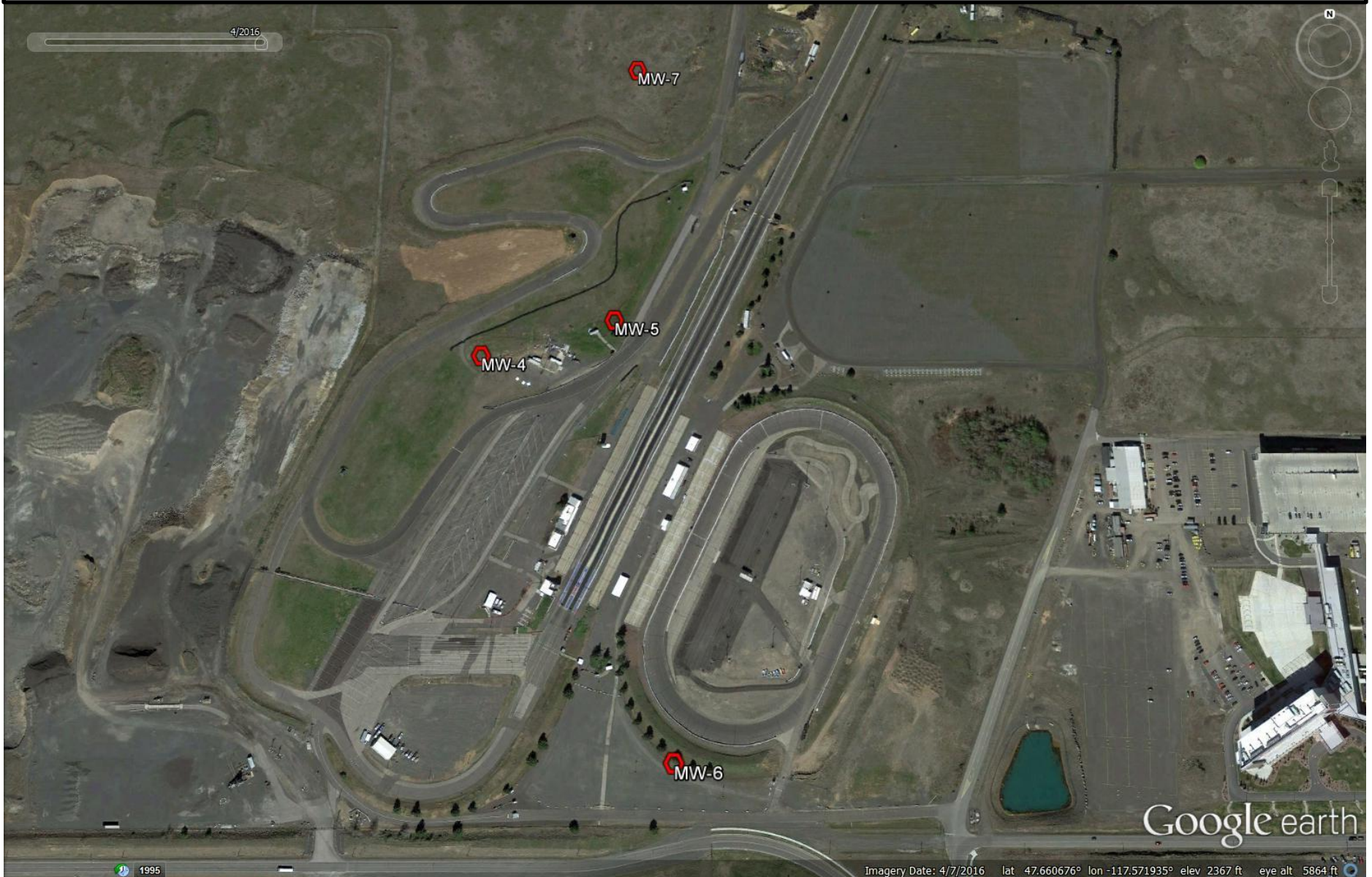
No note exists

I certify that wages have been paid in accordance with the statement of intent to pay prevailing wages previously certified and filed pursuant to this contract.

Steve Pope 6-24-15.
President
Spokane Pump

ATTACHMENT B- WELL LOCATIONS

Spokane Motorsports Park Groundwater Monitoring Locations



ATTACHMENT C - MONITORING WELL RESULTS

**Spokane County Motorsports Park
Quarterly Groundwater Monitoring TCE Concentration Results (ug/L)**

Sampling Date	MW-4	MW-5	MW-6	MW-7
9/21/2011		6.67		
10/7/2011	16.2			
10/12/2011			<1.0	
11/22/2011	8.52	8.55	<1.0	
2/7/2012	12.4	10.6	<1.0	
5/17/2012	8.33	11.2	<1.0	
9/11/2012	14.8	9.91	4.05	<1.0
9/21/2012	13.7	4.79	4.58	<1.0
1/25/2013	7.67	7.41	3.79	<1.0
4/10/2013	14.6	4.5	2.69	<1.0
7/31/2013	7.7	4.58	3.58	<1.0
10/30/2013	12	9.17	3.94	<1.0
3/18/2014	11.3	6.8	1.09	0.55
6/18/2014	12.8	4.46	0.53	<0.5
9/17/2014	11.7	10.9	<0.5	0.58
12/10/2014	12.5	11.2	<0.5	0.63
3/18/2015	11.8	10.3	<0.5	<0.5
6/9/2015	11.7	7.03	<0.5	<0.5
9/15/2015	12	6.19	<0.5	0.62
6/21/2016	11.1	8.65	<0.5	0.6
6/13/2017	6.59	6.14	2.47	0.67
6/12/2018	2.44		4.98	0.61
8/15/2018		1.55		

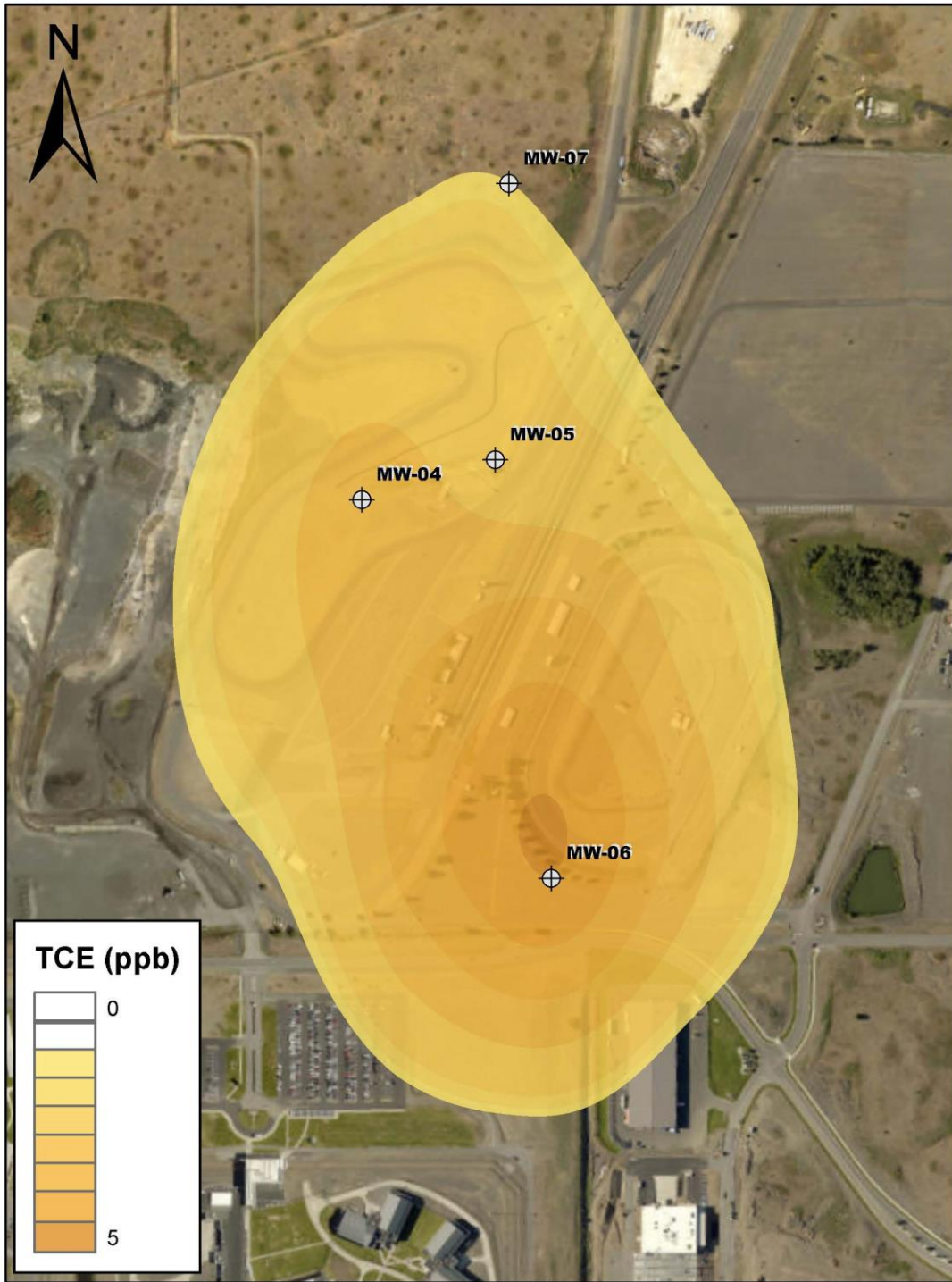
**Spokane County Motorsports Park
Quarterly Groundwater Elevation Measurements (ft above MSL)**

Sampling Date	MW-4	MW-5	MW-6	MW-7
9/21/2011	2057.29	2057.31	2056.91	
10/7/2011	2056.98	2057.02	2056.69	
10/12/2011	2056.77	2056.83	2056.45	
11/22/2011	2056.53	2056.57	2056.33	
2/7/2012	2055.42	2055.49	2055.25	
5/17/2012	2057.15	2057.21	2056.86	
9/11/2012	2059.35	2059.42	2058.97	2059.28
9/20/2012	2059.42	2059.47	2059.01	2059.35
9/21/2012	2059.48	2059.51	2059.12	2059.39
1/25/2013	2059.51	2059.54	2059.18	2059.42
4/10/2013	2061.25	2060.78	2060.18	2060.68
7/31/2013	2061.54	2061.64	2061.01	2061.56
10/30/2013	2060.01	2060.08	2059.63	2060.05
3/18/2014	2055.66	2055.68		2055.58
3/27/2014	2055.93	2055.98	2058.42	2055.88
6/18/2014	2055.34	2055.35	2057.69	2055.25
9/17/2014	2053.46	2053.43	2055.96	2053.39
12/10/2014	2050.54	2053.43	2050.57	2050.36
3/18/2015	2046.65	2050.42	2046.71	2046.61
6/9/2015	2045.38	2046.82	2045.41	2045.24
9/15/2015	2043.25	2045.36	2043.29	2043.16
12/10/2015	2040.93	2043.22	2041.2	2040.89
6/21/2016	2042.62	2042.68	2042.65	2042.62
3/20/2017	2043.68	2043.69	2043.3	2043.61
6/13/2017	2059.65	2059.73	2058.59	2059.65
9/18/2017	2063.43	2063.49	2062.43	2063.44
12/13/2017	2067.7	2067.77	2066.27	2067.73
3/26/2018	2076.05	2076.17	2073.65	2076.13
6/12/2018	2082.98	2083.08	2079.77	2083.03
9/17/2018	2085.69	2085.83	2082.3	2085.89

ATTACHMENT D – TCE / GROUNDWATER ELEVATION GRAPHICS

ATTACHMENT E – ESTIMATED TCE PLUME LOCATION

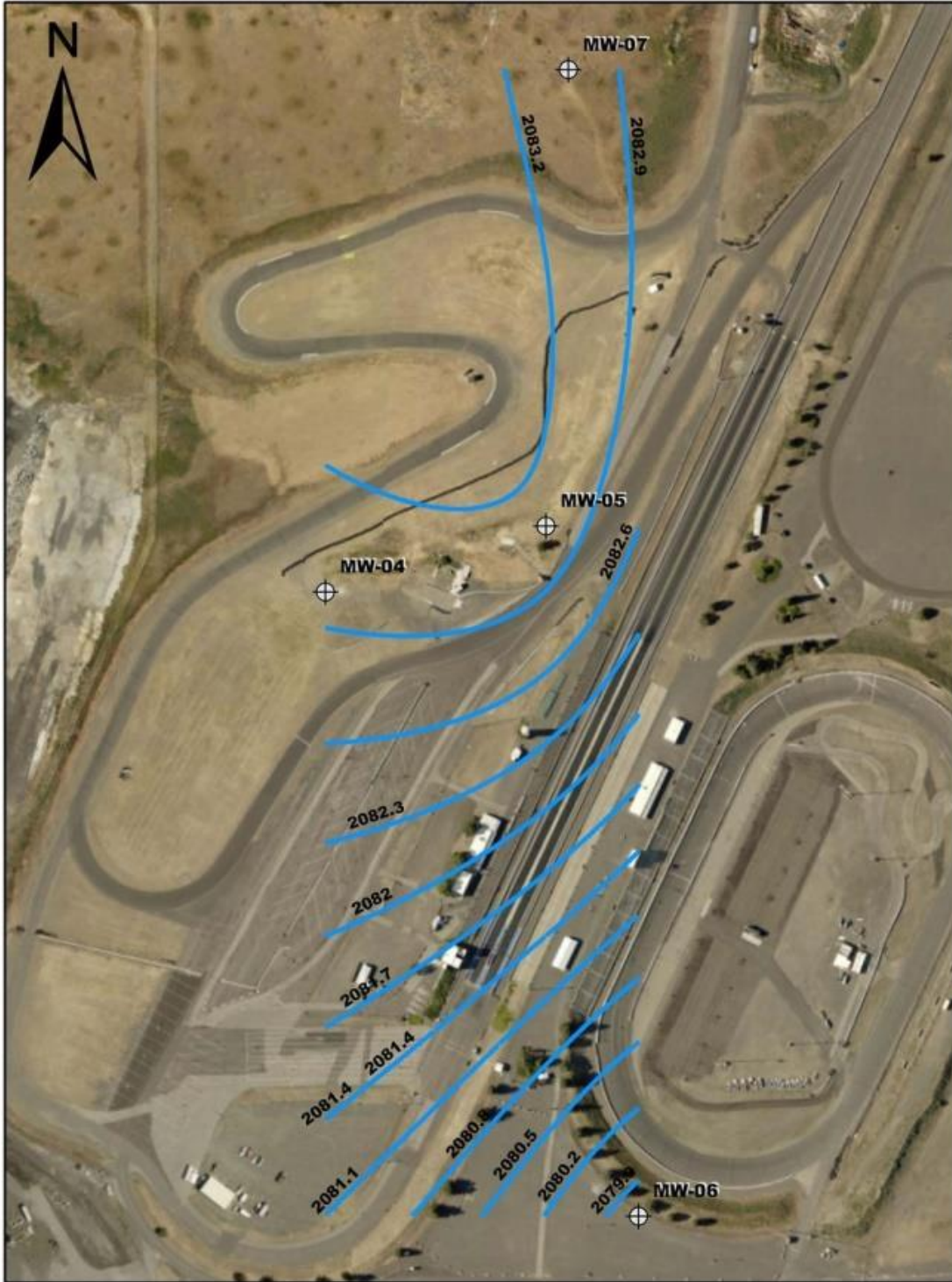
Estimated TCE Plume Location



June 2018

⊕ Monitoring Well Locations

ATTACHMENT F – GROUNDWATER FLOW CONTOURS



June 2018



Monitoring Well Locations