

July 6, 2020

Mr. Eli Gurian
Program Manager – Remediation Management
Phillips 66 Company
3900 Kilroy Way, Suite 210
Long Beach, CA, 90806

**RE: Monitoring Well Decommissioning Report
Phillips 66 Facility No. 2701476 (AOC #2063)
12660 First Avenue, South
Seattle, Washington
ATC Project No. Z076000070
Washington State Department of Ecology VCP No. NW2718**

Dear Mr. Gurian:

ATC Group Services LLC (ATC) is pleased to submit this letter report to Phillips 66 Company (Phillips 66) for the above referenced facility (Site) documenting the monitoring well decommissioning activities that were completed on June 11, 2020. A total of one monitoring well (GW-9D) was decommissioned in accordance with Washington Administrative Code (WAC) 173-160-460 (2)(a).

The site is shown relative to surrounding physical features on **Figure 1**. The layout of the site and of decommissioned monitoring well GW-9D is shown on **Figure 2**.

BACKGROUND

Recent groundwater data collected from properly installed monitoring wells indicates that residually impacted soil remaining at the Site is not currently impacting the groundwater conditions that would present unacceptable risk to human health at well GW-9D. Petroleum hydrocarbons and related constituents have not been detected above MTCA cleanup levels in any of the groundwater samples collected from well GW-9D since February 2007.

The City of Burien, as part of a design for an overlay and roadway rehabilitation project along 1st Ave S from S 140th to S 128th St. determined that groundwater monitoring well GW-9D would be in conflict with the proposed curb and gutter that will be constructed with ADA ramps at the signalized 128th St Intersection. As a result, the City requested that ATC Group Services determine if GW-9D could be abandoned in advance of the City Project prior to Mid-July. ATC responded that the well could be decommissioned, and this would take place prior to the City starting their project commencing.

The results of the remediation well decommissioning activities are summarized below.

REMEDATION WELL DECOMMISSIONING ACTIVITIES

Prior to abandonment activities, ATC updated the Site-specific health and safety plan (HASP) to identify potential physical and chemical hazards associated with the proposed field activities, and specifying personal protective equipment and safety monitoring requirements. The HASP was made available on-site during the field activities. Underground utilities and piping were also identified in advance of fieldwork by notifying the Public Utility Notification Service (One Call), and by utilizing a private locating contractor, CNI Locates of Bonney Lake, Washington.

On June 11, ATC observed Cascade Drilling, LP (Cascade Drilling) of Woodinville, Washington decommission GW-9D in accordance with WAC 173-160-460 (2)(a). The well was located to the south of Southwest 128th Street, as shown on **Figure 2**. ATC observed Cascade Drilling completely fill the well casing from the bottom to the top with bentonite chips, and remove the well vault, and grading the top of the concrete-filled vault to match the existing surrounding asphalt paving. No tripping hazards were present upon completion of the well decommissioning activities. A copy of the original Boring log for GW-9D is included in **Attachment A**, and a copy of Cascade's daily work report is included in **Attachment B**.

Monitoring well decommissioning methods were recorded on the appropriate State of Washington Resource Protection Well Report log and filed by Cascade Drilling with the Washington Department of Ecology. A copy of the Resource Protection Well Report log is provided in **Attachment B**. No materials were generated during the well decommissioning activities (demolition debris).

We appreciate the opportunity to be of service in this matter. If you have questions regarding this letter report, please contact me at 206.781.1449.

Sincerely,

ATC Group Services LLC

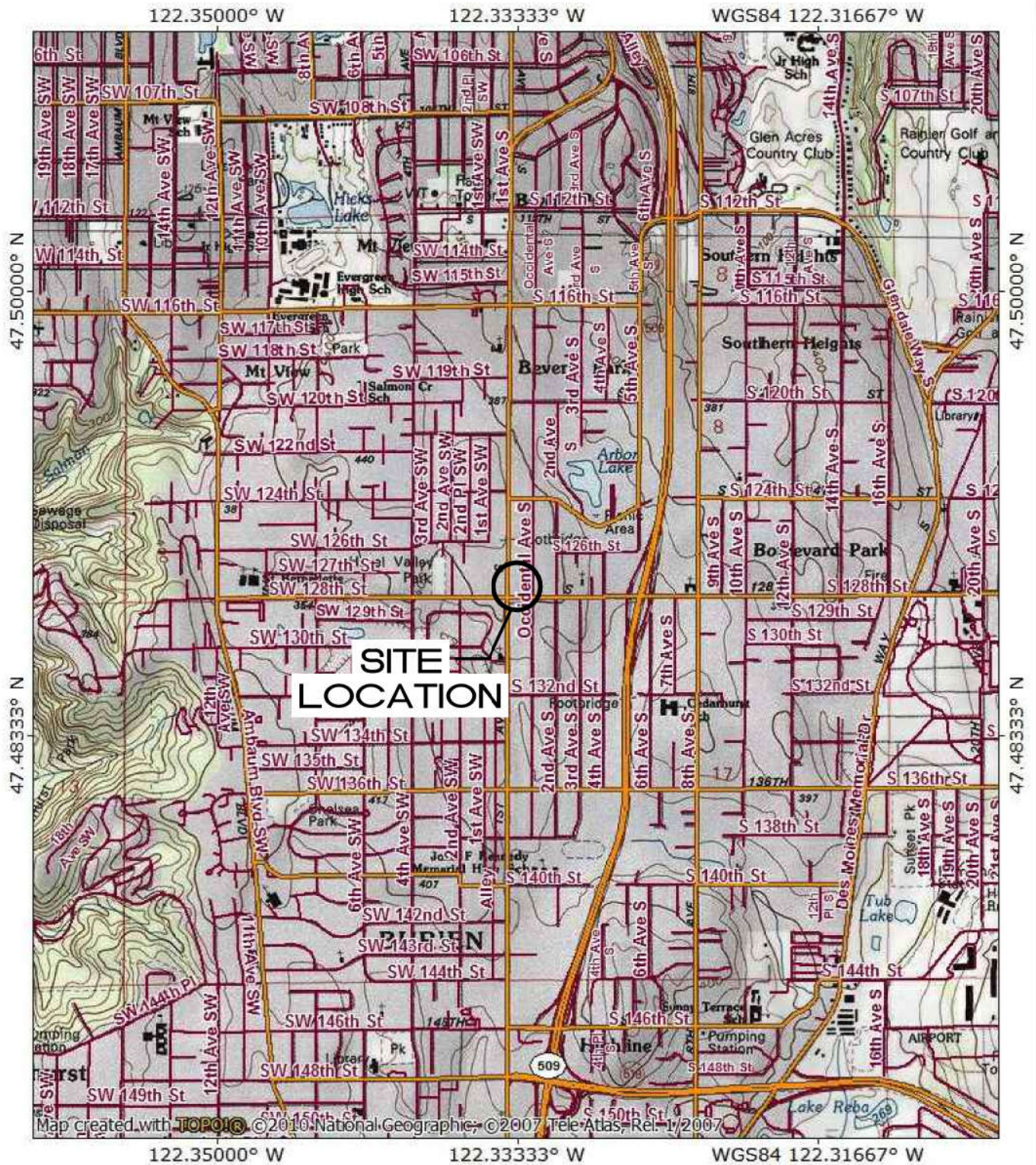


Elisabeth Silver, L.G.
Senior Project Manager

cc: Mr. Mike Warfel – Washington State Department of Ecology, Northwest Region Office

Enc: Figure 1 – Site Vicinity Map
Figure 2 – Site Plan
Attachment A – GW-9D Boring Log
Attachment B – Daily Work Report and Resource Protection Well Report Log

FIGURES



0.0 0.5 1.0 miles
0.0 0.5 1.0 1.5 km

TN* MN
16°
04/26/16

SOURCE: USGS TOPO MAP, DES MOINES, WA QUAD, 1995

SITE VICINITY MAP

PHILLIPS 66 FACILITY NO. 2701476 (AOC #2063)
12660 FIRST AVENUE SOUTH
SEATTLE, WA

PROJECT NUMBER: Z076000048

DATE: 4/26/16

FIGURE

APPROVED BY: KS

DRAWN BY: BK

1



6347 Seaview Avenue NW
Seattle, Washington 98107
Ph: (206) 781-1449 *** Fax: (206) 781-1543

ATTACHMENT A
GW-9D BORING LOG

SECOR

BORING LOG

BORING MW-9

PAGE 1 OF 3

PROJECT CIRCLE K STORE #1476

LOCATION 12660 1ST AVENUE SOUTH SEATTLE, WASHINGTON

SURFACE ELEVATION _____

CASING TOP ELEVATION 99.57**

START 10/25/94 0931

FINISH 10/25/94 1445

SAMPLER DJD

MONITORING DEVICE MICROTIP PID ML-2000

SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING INC.; CME 75; 8-1/4 OD HSA

COMMENTS SAMPLED EVERY 5 FEET WITH A 2.5" I.D X 1.5' LONG SPLIT SPOON SAMPLER
LINED WITH BRASS SLEEVES DRIVEN BY A 140 LB. HAMMER, 30" STROKE

PENETRATION RESULTS	Sample Depth Interval feet	PID Reading (ppm)	Depth Below Surface feet	Lithologic Description	Unified Soil Classification	Well Construction Details
BLOWS 6" / 6" / 6"						
			0	Asphaltic concrete		Monument Wellhead
			5			Concrete
60		60	5	Silly Sand, light grayish brown (10YR 6/2)*, fine to medium grained sand moist (0.75 25,0)**		
			10			Bentonite Seal
100		77	10			
			15	Light gray, (10YR 6/1) occasional fine gravel	SM	
50/65		84	15			
			20			2" Blank PVC Casing
100		46	20			
			25			
75		96	25			
			30			
75		62	30			
			35			

SECOR

BORING LOG

BORING MW-9PAGE 2 OF 3PROJECT CIRCLE K STORE #1476LOCATION 12680 1ST AVENUE SOUTH
SEATTLE, WASHINGTON

SURFACE ELEVATION _____

CASING TOP ELEVATION 89.57**START 10/25/94 0931FINISH 10/25/94 1445SAMPLER R. MILLERMONITORING DEVICE MICROTIP PID ML-2000SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING INC.; CME 75; 8-1/4 OD HSACOMMENTS SAMPLED EVERY 5 FEET WITH A 2 5" I.D. X 1.5' LONG SPLIT SPOON SAMPLER
LINED WITH BRASS SLEEVES DRIVEN BY A 140 LB. HAMMER, 30" STROKE

PENETRATION RESULTS	Depth Sample Interval, feet	PID Reading (ppm)	Depth Below Surface, feet	Lithologic Description	Unified Soil Classification	Well Construction Details
BLOWS 6" / 6" / 6"						
75		4 5	35			
85		4 8	40	Silty Sand with Gravel, grayish brown, (10YR 5/2), fine to coarse rounded gravel, fine to medium sand, moist, (20,50,30,0)		Bentonite Seal
90		8 9	45			
80		6 7	50			
90		5 7	55	Slight increase in gravels	SM	2" Blank PVC Casing
85		67 4	60			
No blow count recorded		NS	65	No sample recorded		Filter Sand (RMC Lonestar #2/12)
			70			2" PVC Screen Casing (0.010 inch slots)

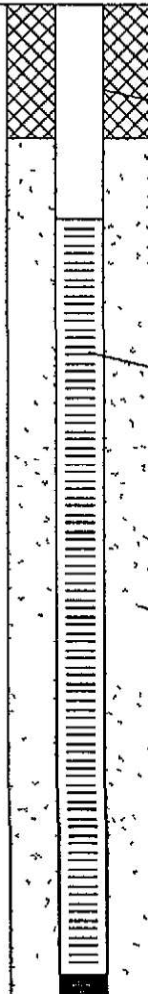
SECOR

BORING LOG

BORING MW-9PAGE 3 OF 3PROJECT CIRCLE K STORE #1478LOCATION 12660 1ST AVENUE SOUTH
SEATTLE, WASHINGTON

SURFACE ELEVATION _____

CASING TOP ELEVATION 99.57**START 10/25/94 0931FINISH 10/25/94 1445SAMPLER DJDMONITORING DEVICE MICROTIP PID ML-2000SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING INC.; CME; 75 8-1/4 OD HSACOMMENTS SAMPLED EVERY 5 FEET WITH A 2.5" I.D. X 1.5' LONG SPLIT SPOON SAMPLERLINED WITH BRASS SLEEVES DRIVEN BY A 140 LB. HAMMER, 30" STROKE

PENETRATION RESULTS	Sample Depth Interval, feet	PID Reading (ppm)	Depth Below Surface feet	Lithologic Description	Unified Soil Classification	Well Construction Details
BLOWS 6" / 6" / 6"						
65		NS	70			 <p>2" Blank PVC Casing</p> <p>2" PVC Screen (0.010 inch slots)</p> <p>Filter Sand (RMC Lonestar #2/12)</p> <p>Bottom Cap</p>
70		376	75	Silty Sand, grayish brown, (10YR 5/2), fine to medium grained moist, (0,85,15,0).	SM	
80		125	80	Occasional cobble		
65		>2500	85	Sand, grayish brown (10YR 5/2) fine to coarse grained, occasional silt saturated, (0,98,2,0) hydrocarbon-like odor	SW	
55		225	90			
70		742	95	Boring terminated at 95 feet Sampler advanced to 96.5 feet Groundwater encountered at approximately 85 feet during drilling Boring converted to a groundwater monitoring well on 10/25/94 • Munsell (1990) Soil Color Charts ** Percentage of soil types shown in this order: (0.50 45.5) gravel, sand, silt, and clay		
			100			<p>** Note Casing top elevation relative to SECOR temporary benchmark with an assigned elevation of 100.00 feet</p>
			105			

ATTACHMENT B
DAILY WORK REPORT AND RESOURCE PROTECTION WELL REPORT LOG



ADDRESS: 19404 WOODINVILLE SNOHOMISH ROAD NE
CITY, STATE, ZIP: WOODINVILLE, WA 98072
PHONE NUMBER: 425.485.8908
PROJECT NUMBER:

Client Signature

Operator Signature

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No. AE61045

Construction/Decommission

☐ Construction

☒ Decommission *ORIGINAL INSTALLATION Notice*

of Intent Number not provided

Type of Well

☒ Resource Protection

☐ Geotechnical Soil Boring

Consulting Firm ATC

Property Owner Burien 76 Food Mart

Site Address 12660 1st Avenue South

City Burien County King

EWM

Unique Ecology Well ID

Tag No. _____

Location 1/4 SW 1/4 SW Sec 8 TWN 23N R 4E or
WWM

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 above are true to my best knowledge and belief

☐ Driller ☒ Trainee Name (Print)

Joe Mesuda

Driller/Trainee Signature

Driller/Trainee License No.

3274T

Lat/Long (s,t,r Lat Deg n/a Lat Min/Sec n/a
still Required) Long Deg n/a Long Min/Sec n/a

Tax Parcel No. 144680-0380

Cased or Uncased Diameter 2" Static Level 8'

Work/Decommission Start Date 6/11/2020

Work/Decommission Completed Date 6/11/2020

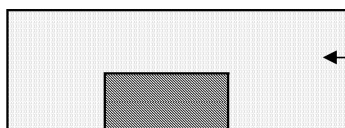
If trainee, licensed drillers'

Signature and License No. 2501

Construction/Design

Well Data 103-20-1192

Formation Description



CONCRETE SURFACE SEAL

1' FT

0 - 93' FT

N/A

BACKFILL

92' FT

- FT

Bentonite Chips

REQUIRED INFORMATION

(Must get one or both if available)

DEPT OF ECOLOGY WELL TAG #: ALS-975

CLIENT WELL ID #: GW-9D

DEPTH OF BORING 93' FT

Scale 1" = _____

Page 1 of 1

ECY 050-12 (Rec=v 2/01)