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Liberty Utilities  
WATER GAS ELECTRIC

2016 JAN 13 P 3:58

January 6, 2016

AZ CORP COMMISSION  
DOCKET CONTROL

Arizona Corporation Commission  
DOCKETED

JAN 13 2016

Mr. Thomas M. Broderick, Director  
Arizona Corporation Commission  
1200 West Washington  
Phoenix, Arizona 85007

DOCKETED BY

Re: ANNUAL STATUS REPORT – LPSCO  
Decision No. 69912, Docket Number W-01427A-06-0807

Dear Mr. Broderick;

Liberty Utilities (Litchfield Park Service Water & Sewer) Corp. (Liberty) is writing this letter as ordered by the Arizona Corporation Commission (Commission) per Decision No. 69912 of all matters related to the deferrals, and cumulative costs associated with monitoring groundwater in relation to the North Phoenix – Goodyear Airport (NPGA) Area Superfund Site.

**Subunit A – Northeast:**

As previously reported by Liberty during its prior annual status report submitted to the Commission dated January 30, 2015, progress continues to be made on the plume delineation and treatment of the contaminated ground water in regards to the northeastern portion of the plume.

In response to the injection of treated groundwater into IA-11, IA-12, and IA-13, and in conjunction with the extraction of groundwater from EA-05, EA-06, AND EA-07, groundwater elevations continue to indicate a groundwater mound and an effective hydraulic barrier west of Dysart Road (in the area of Liberty's closest well). Groundwater flow directions in this area continue to be radially around the groundwater mound, and toward the northeast, away from Liberty's drinking water well.

TCE concentrations continue to demonstrate that the plume in the northeast area is defined and has decreased in size as a result of the extraction operation at EA-05, EA-06, AND EA-07 and reinjection of treated groundwater into the injection wells IA-11, IA-12, and IA-13 (See attached Figure No. 1).



**Subunit A – Northwest Area Update**

As previously reported by Liberty during its prior annual status report submitted to the Commission dated January 30, 2015, progress continues to be made on the plume delineation and treatment of the contaminated groundwater in regards to the northwestern portion of the plume as well.

Based on the groundwater flow vector information and monitoring well results throughout the year, the northwest portion of the plume continues to show declining levels of TCE in most of the existing monitoring wells. Groundwater injection wells continue to show evidence of capture.

**Currently:**

TCE concentrations are continuing to decrease and groundwater flow data has indicated a reduction in TCE concentrations below the Maximum Contamination Levels (MCL's) in monitoring wells within close proximity to Liberty owned well 34C. Liberty groundwater monitoring continues to be collected as per the Safe Drinking Water Act (SWDA) frequency requirements of every three years.

Liberty continues to be involved in reviewing of monthly environmental reports and quarterly technical meetings and works closely with and in support of ADEQ and EPA. In the event, if TCE concentrations in the general area become elevated, Liberty will take the appropriate actions to ensure safe and reliable drinking water for its customers. Liberty continues to be pleased with the trend of reducing TCE concentrations in the northwest portion of the plume area.

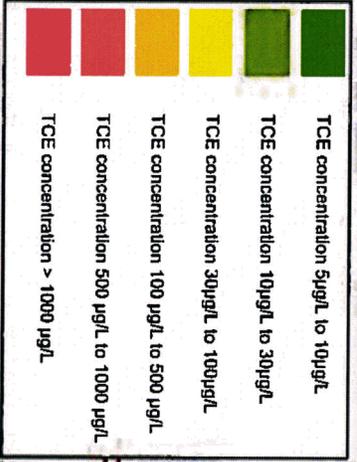
To date no test results indicating quantifiable concentrations of TCE in any of Liberty's existing wells.

Due to reduction in TCE contamination in relation to Liberty wells, Liberty returned its sampling frequency back to normal SWDA sampling guidelines. Therefore, Liberty has not incurred additional sampling or other costs related on behalf of the TCE plume in 2015.

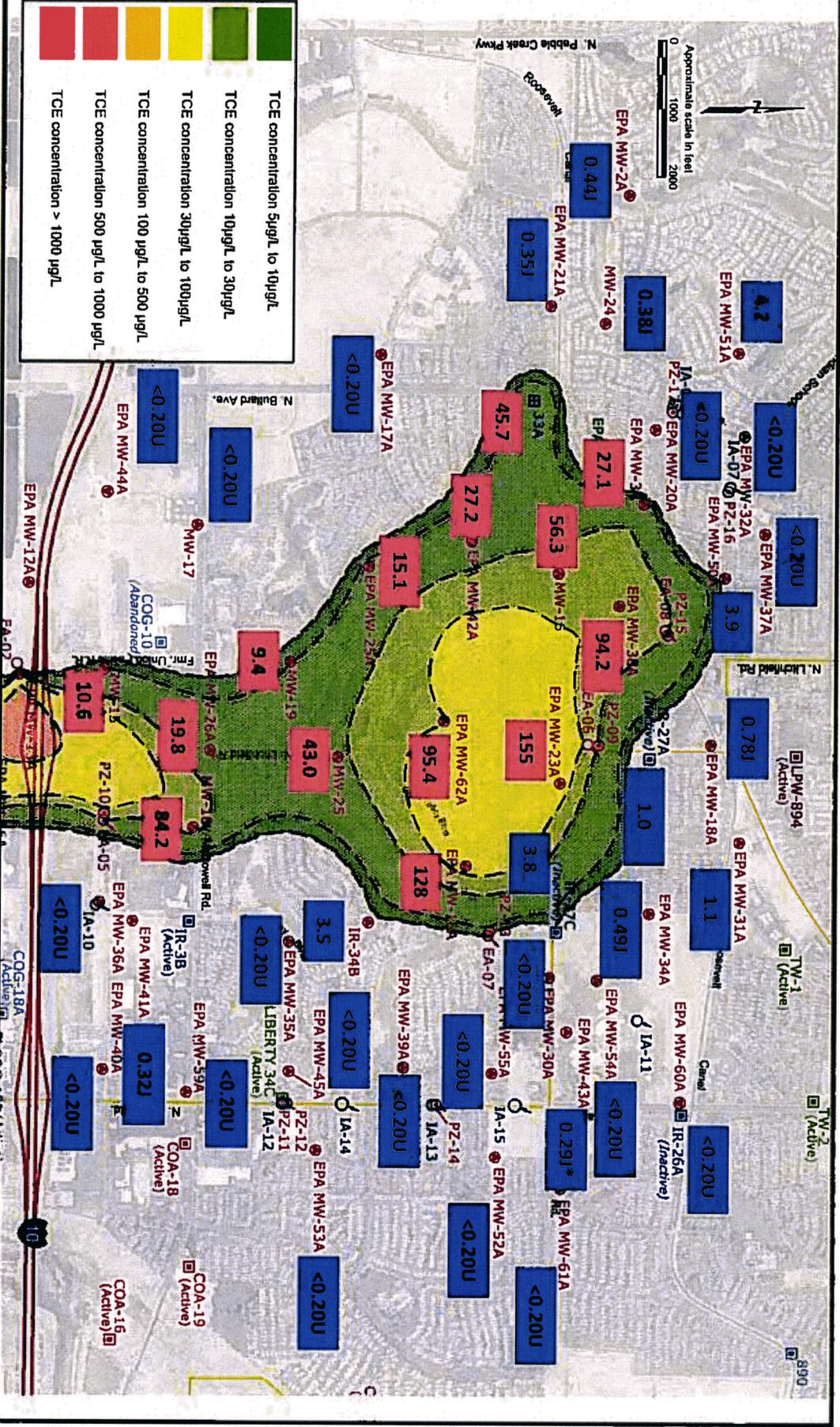
Regards,

Liberty Utilities (Litchfield Park Service Water & Sewer) Corp.

Clint Arndt, Director – Arizona Operations



**Explanation**  
 Isoconcentration showing TCE concentration in ug/L, dashed where inferred, Based on May 2015 data.



0.20U TCE Concentration < 5 ug/L  
 9.9 TCE Concentration ≥ 5 ug/L

PHOENIX - GOODYEAR AIRPORT - NORTH SUPERFUND SITE  
 404 S. LITCHFIELD ROAD GOODYEAR  
 MARICOPA COUNTY, ARIZONA

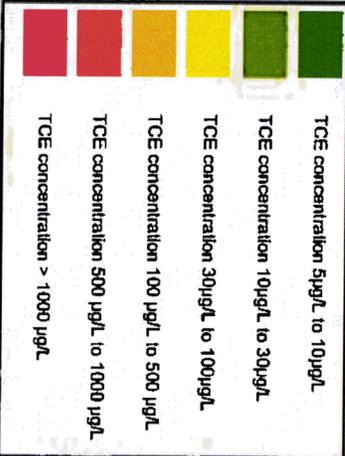
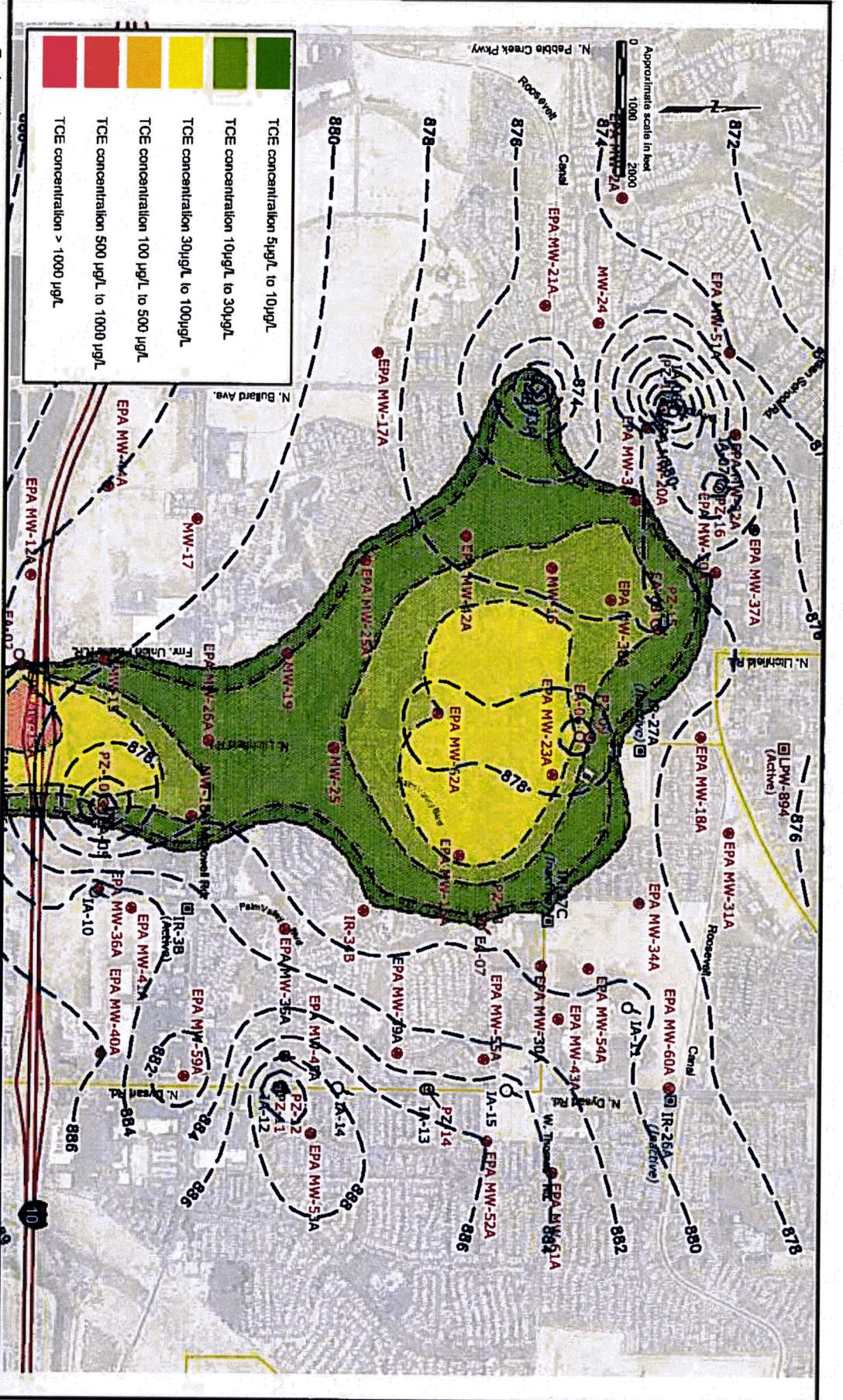
**MATRIXNEWORLD**  
 Engineering Progress

Matrix New World Engineering, Inc.  
 350 North Litchfield Road, Suite 201  
 Goodyear, Arizona 85338  
 W9E / 09E / 19E

**SUBUNIT A TCE CONCENTRATIONS**  
 NORTH OF I-10  
 MAY 2015

PROJECT NUMBER:  
**1**

DRAWN BY:	DESIGNED BY:	APPROVED BY:	PROJECT NUMBER:
DATE: 06-15-15	DATE: 06-15-15	DATE: 06-15-15	SCALE: 1"=200'



**Explanation**

Potentiometric isocountour showing groundwater elevation in feet above MSL; dashed where inferred

Isocountour showing TCE concentration in µg/L. Dashed where inferred. Based on April 2015 data.

PHOENIX - GOODYEAR AIRPORT - NORTH SUPERFUND SITE  
 404 S. LITCHFIELD ROAD GOODYEAR  
 MARICOPA COUNTY, ARIZONA

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SUBUNIT A GROUNDWATER CONTOURS  
 AND TCE PLUME NORTH OF I-10  
 MAY 2015

DRAWN BY:	DESIGNED BY:	APPROVED BY:	PROJECT NUMBER:
AH	AH	HB	15-088E
DATE:	DATE:	DATE:	SCALE:
4-15-15	5-15-15	5-15-15	1" = 200'

FIGURE NUMBER:  
**6**