P:\WRES\ADEQ\24096945_Moto_52nd\Task 5 - 5 Year Review Report\Drawings-Maps-Figures\plots\OA_newdata.pdf

7th Ave. | Central Ave. | 7th St. | 12th St. | 16th St. | 20th St. | 24th St. | 28th St. | 32nd St. | 36th St. | 40th St. | 44th St. | 48th St. | 52nd St.

51 | Palm Lane | OU1 | OU2 | OU3 | McDowell Rd. | 10 | 202 | Roosevelt St. | Former Motorola 52nd St Facility | Integrated Groundwater Treatment Plant | E. Roosevelt St. | Grand Canal | Old Grosscut Canal | Milum Textile | Phoenix Newspaper Inc. | Van Buren St. | OU2 Groundwater Treatment Facility | Papago Plating | Washington St. | McCoy's Cleaners | Westinghouse/ Viacom | Walker Power/Tierney Turbines | Western Automatic Machine Company | Fleetwood | Honeywell Area 9 | Laundry and Cleaners Supply | Honeywell Area 13 | Joray Corporation | Aviall | 143 | 202 | Capitol Engineering | Buchanan St. | APS | SRP | Honeywell Area 21 | Aviall | Honeywell 34th St Facility | D-Velco | Union Pacific RR | ITT Cannon | Nelson Engineering | Wabash\Freuhauf | Adobe/Arvin/ Cooper | Buckeye Rd. | 3rd. Ave. | Phoenix Sky Harbor International Airport | 17 | Salt River

Legend

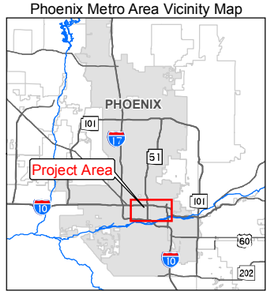
- OU Boundary
- Inferred Extent of VOCs Exceeding AWQS Based on 2009 Data
- Highway
- Salt River
- Canal

Project Facilities

- Responsible Party
- Potentially Responsible Party
- Property Issued a Notice of Completion of Work
- Groundwater Treatment Plants

Source:
Aerial Imagery: NAIP 2007

Phoenix Metro Area Vicinity Map



N

0 0.25 0.5 1
Miles

FIGURE 1-1
SITE VICINITY MAP
2011 Sitewide Five-year Review
Motorola 52nd Street Superfund Site

ADEQ Arizona Department of Environmental Quality | United States Environmental Protection Agency | URS

P:\WRES\ADEQ\24096945_Moto_52ndTask 5 - 5 Year Review Report\Drawings-Maps-Figures\plots\OU1 SitePlan.pdf

32nd St.
36th St.
40th St.
44th St.
48th St.
52nd St.
Oak St.
McDowell Rd.
Palm Lane
Van Buren St.
E. Roosevelt St.
Arizona Military Reservation (Air National Guard)
Papago Park
Courtyard
Integrated Groundwater Treatment Plant
Acid Treatment Plant Area
Former Motorola 52nd St Facility
Southwest Parking Lot
Honeywell Area 9
Honeywell 34th St Facility
Joray Corporation
Laundry and Cleaners Supply
LANGMADE
Grand Canal
Old Cross Cut Canal
Crosscut Canal
202
143
SRP16.9E6N
SRP18E5N
AZNGD-2A

Legend

- OU Boundary
- Inferred Extent of VOCs Exceeding AWQS Based on 2009 Data
- Highway
- Road
- Canal
- Dual-Wall Pipeline

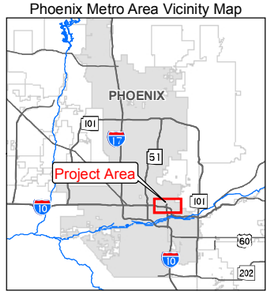
Project Facilities

- Responsible Party
- Potentially Responsible Party
- Property Issued a Notice of Completion of Work
- Groundwater Treatment Plant
- Facility Plan

Location of Site Wells

- Monitoring Well in HSU A
- Monitoring Well in HSU B
- Extraction Well B
- SRP Well

Phoenix Metro Area Vicinity Map



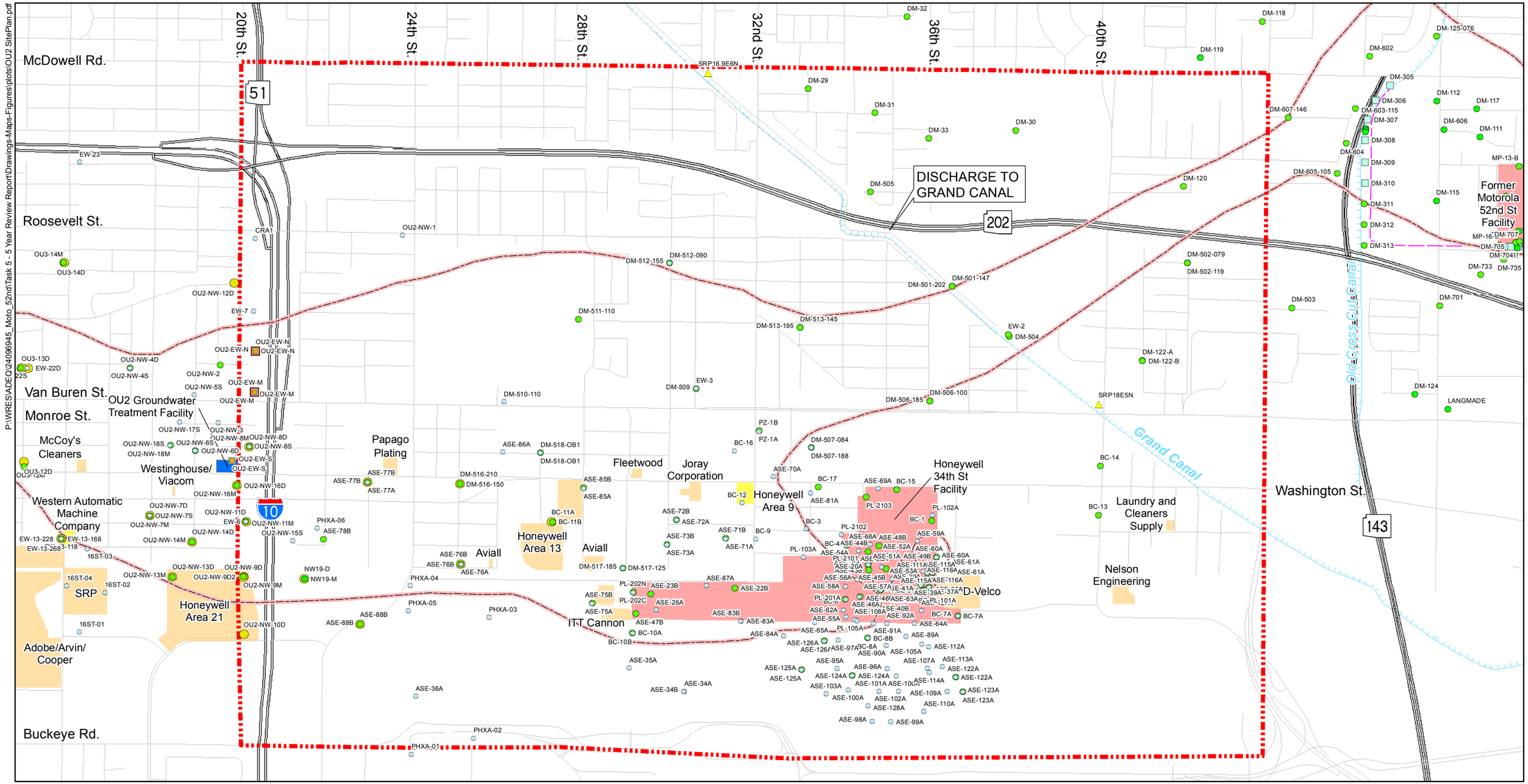
0 0.25 0.5
Miles

FIGURE 3-1
OU1 SITE PLAN

2011 Sitewide Five-year Review
Motorola 52nd Street Superfund Site

ADEQ Arizona Department of Environmental Quality
United States Environmental Protection Agency
URS

P:\WRES\ADEQ\24096945_Moto_52ndTask 5 - 5 Year Review Report\Drawings-Maps-Figures\plots\OU2 SitePlan.pdf



Legend

- OU Boundary
- Inferred Extent of VOCs Exceeding AWQS Based on 2009 Data
- Highway
- Road
- Canal
- Dual-Wall Pipeline

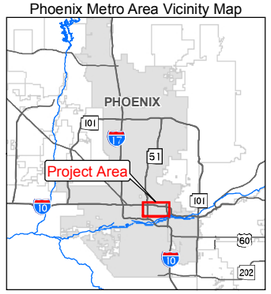
Project Facilities

- Responsible Party
- Potentially Responsible Party
- Property Issued a Notice of Completion of Work
- Groundwater Treatment Plants

Location of Wells

- Monitoring Well in HSU A
- Monitoring Well in HSU B
- Monitoring Well in HSU D
- Extraction Well A
- Extraction Well B
- Extraction Well D
- SRP Well

Phoenix Metro Area Vicinity Map

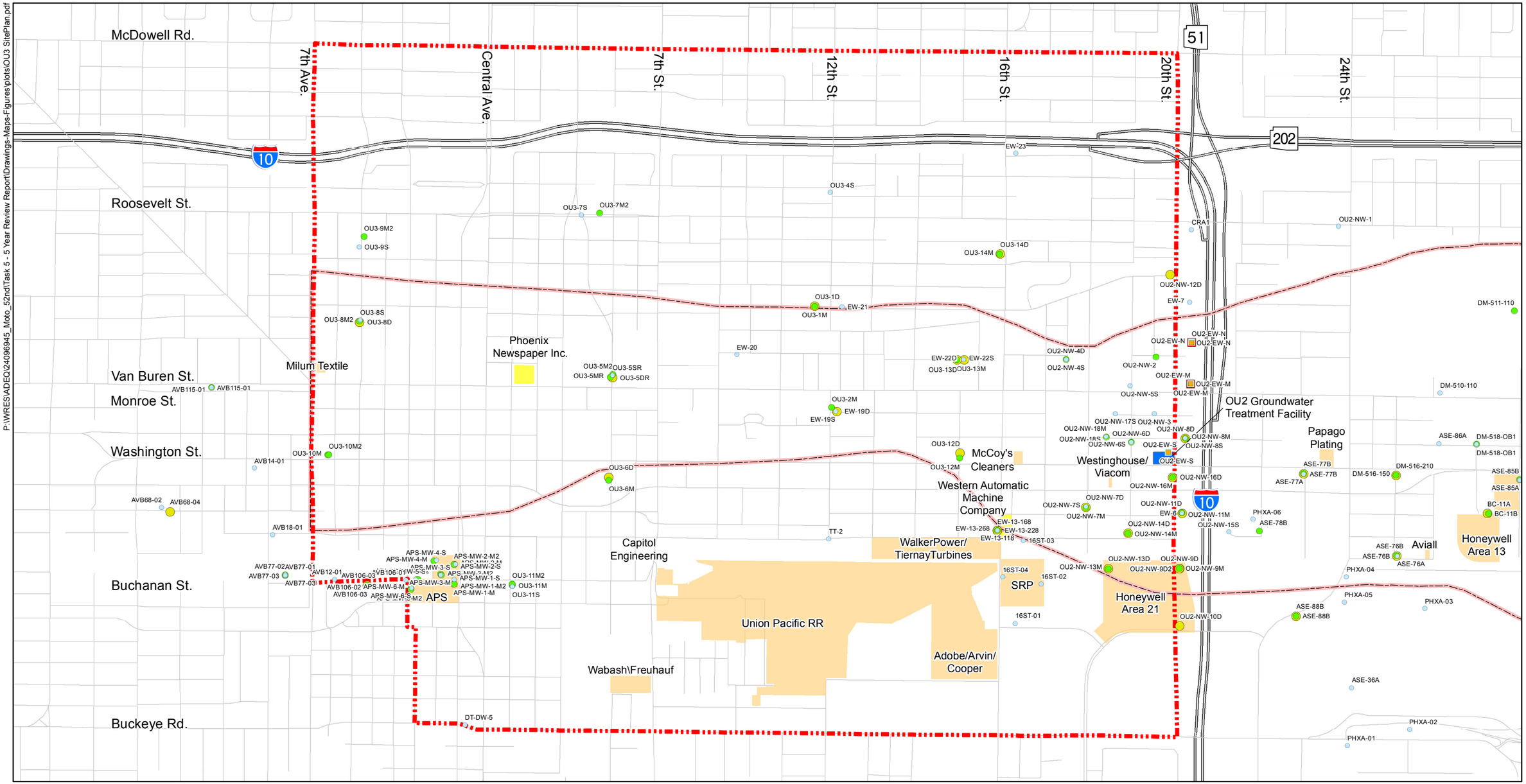


0 0.25 0.5
Miles

FIGURE 3-2
OU2 SITE PLAN
2011 Sitewide Five-year Review
Motorola 52nd Street Superfund Site

ADEQ Arizona Department of Environmental Quality
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
URS

P:\WRES\ADEQ\24096945_Moto_52nd\Task 5 - 5 Year Review Report\Drawings-Maps-Figures\plots\OU3 SitePlan.pdf



Legend

- OU Boundary
- Inferred Extent of VOCs Exceeding AWQS Based on 2009 Data
- Highway
- Road
- Canal

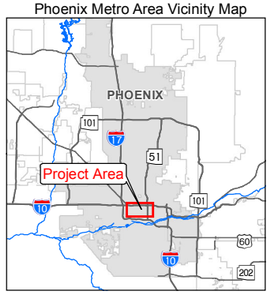
Project Facilities

- Potentially Responsible Party Property Issued a Notice of Completion of Work
- Groundwater Treatment Plants

Location of Site Wells

- Monitoring Well in HSU A
- Monitoring Well in HSU B
- Monitoring Well in HSU D
- Extraction Well A
- Extraction Well B
- Extraction Well D

Phoenix Metro Area Vicinity Map



N

0 0.25 0.5

Miles

FIGURE 3-3
OU3 SITE PLAN

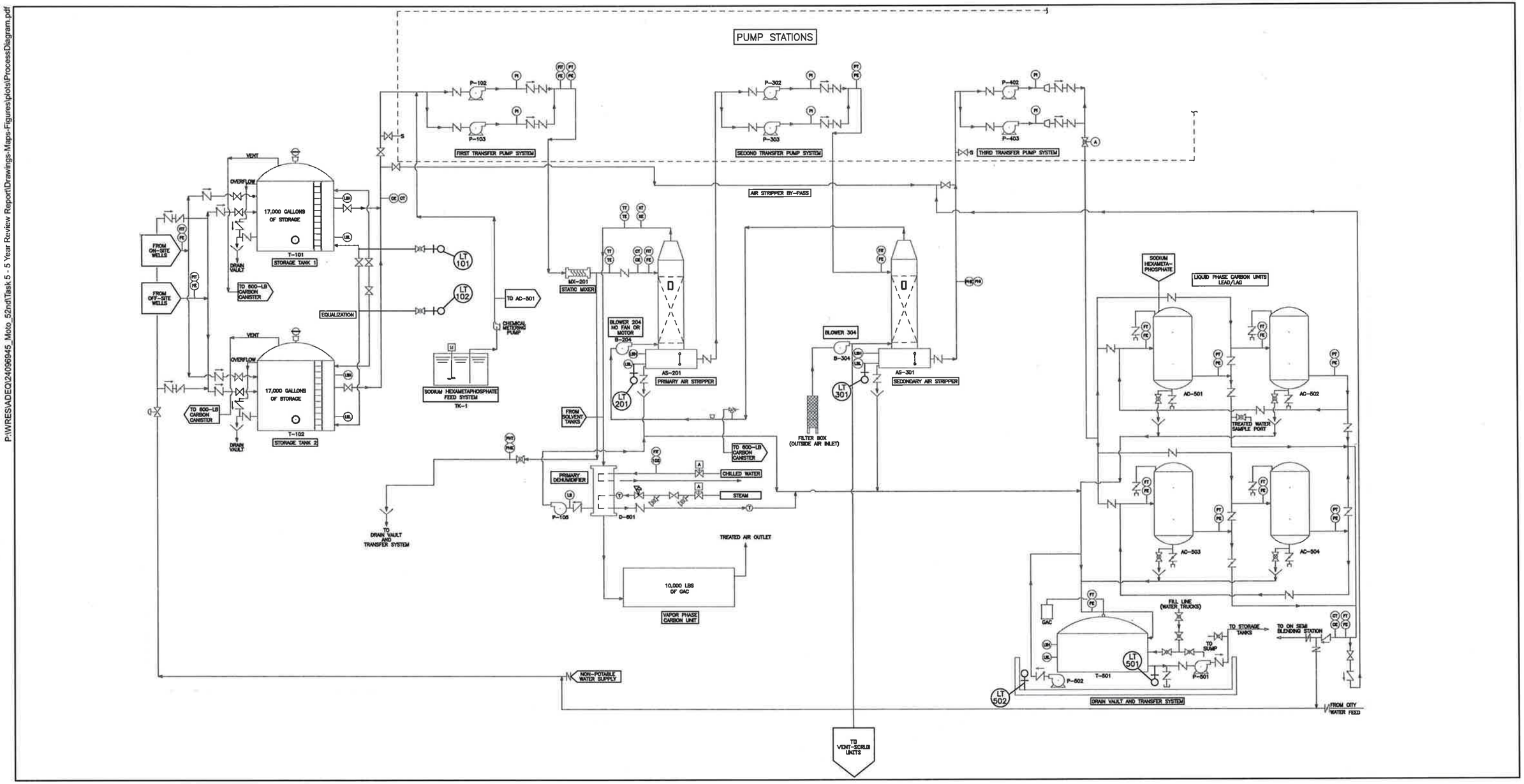
2011 Sitewide Five-year Review
Motorola 52nd Street Superfund Site

ADEQ Arizona Department of Environmental Quality

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

URS

P:\WRES\ADEQ\240969\45_Moto_52nd\Task 5 - 5 Year Review Report\Drawings-Maps-Figures\plots\ProcessDiagram.pdf

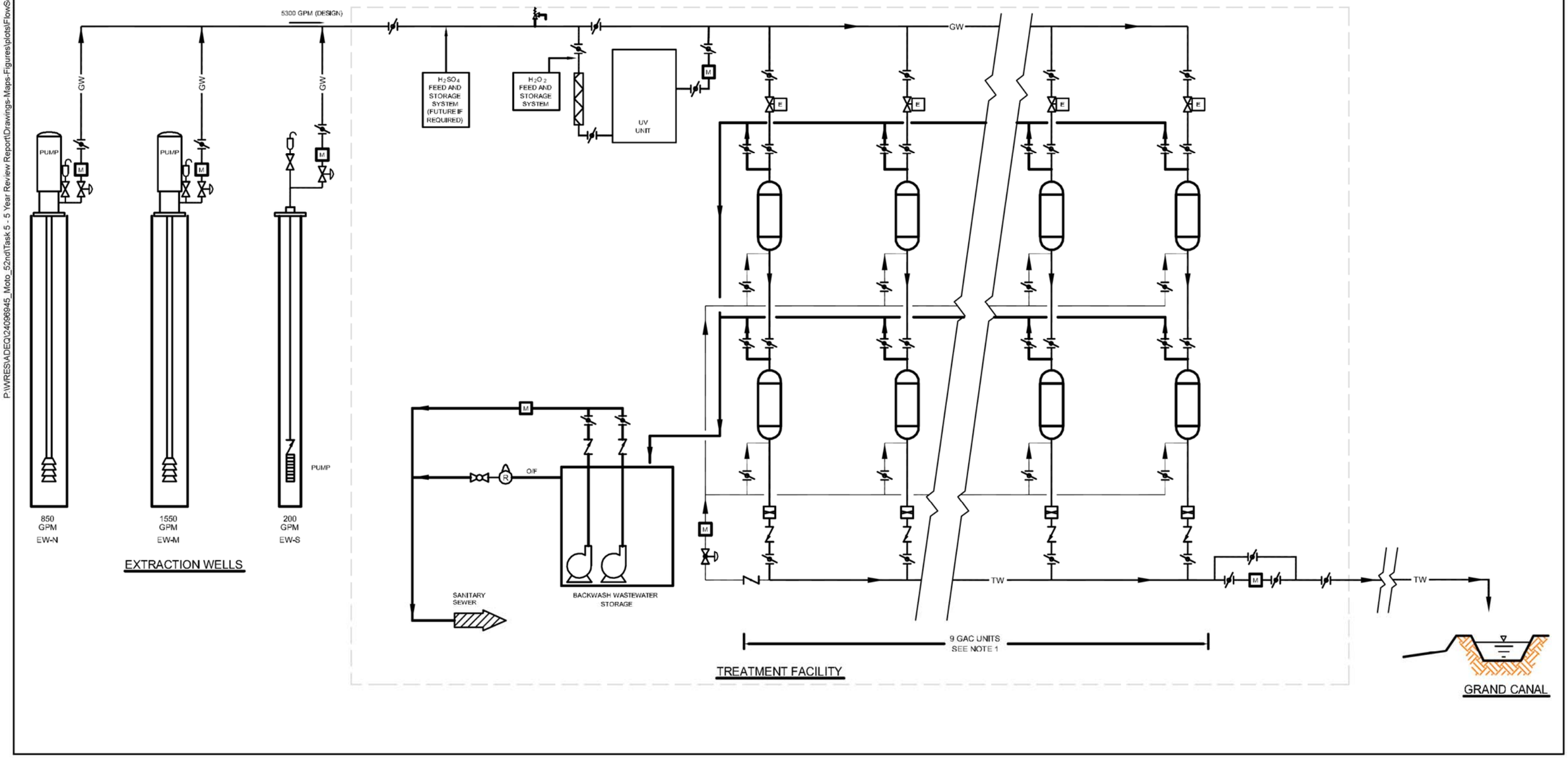


Source:
Guitierrez-Palmenberg, Inc. - Drawing 5164-001 December 2010

FIGURE 4-1
PROCESS AND INSTRUMENTAION DIAGRAM
FOR THE OU1 IGWTP
2011 Sitewide Five-year Review
Motorola 52nd Street Superfund Site

ADEQ Arizona Department of Environmental Quality
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
URS

P:\WRES\ADEQ\24096945_Moto_52ndTask 5 - 5 Year Review Report\Drawings-Maps-Figures\plots\FlowSchematic.pdf



Source:
CRA Engineering, Inc. - Drawing IC-01 July 2004

FIGURE 4-2
FLOW SCHEMATIC FOR THE OU2 GROUNDWATER TREATMENT FACILITY

2011 Sitewide Five-year Review
Motorola 52nd Street Superfund Site

ADEQ Arizona Department of Environmental Quality
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
URS

FIGURE 6-1
AVERAGE PUMPING RATE OF OU1 EXTRACTION WELLS
2011 Sitewide Five-Year Review - Motorola 52nd Street Superfund Site

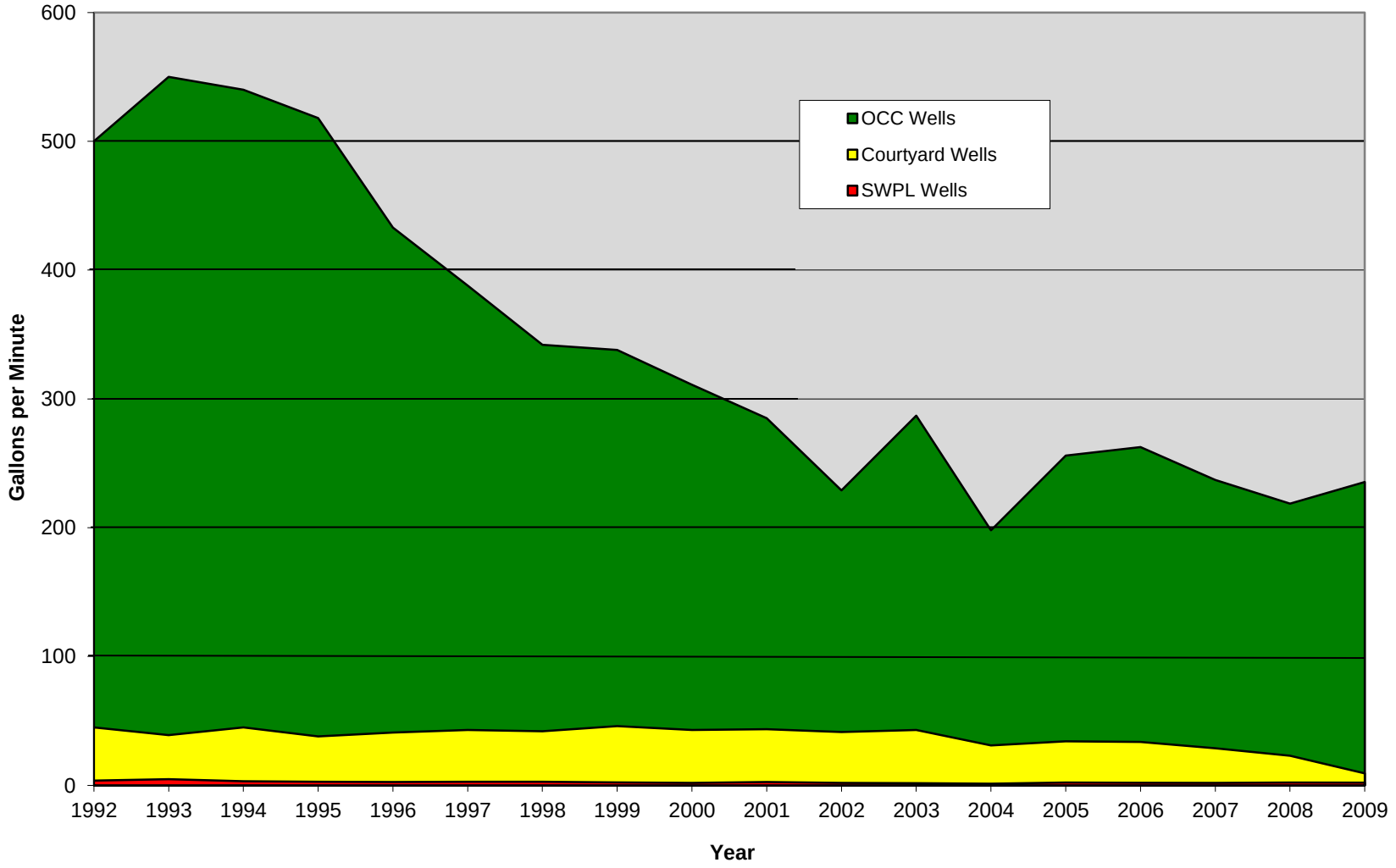


FIGURE 6-2
AVERAGE TCE CONCENTRATIONS IN IGWTP OPERATIONS
2011 Sitewide Five-Year Review - Motorola 52nd Street Superfund Site

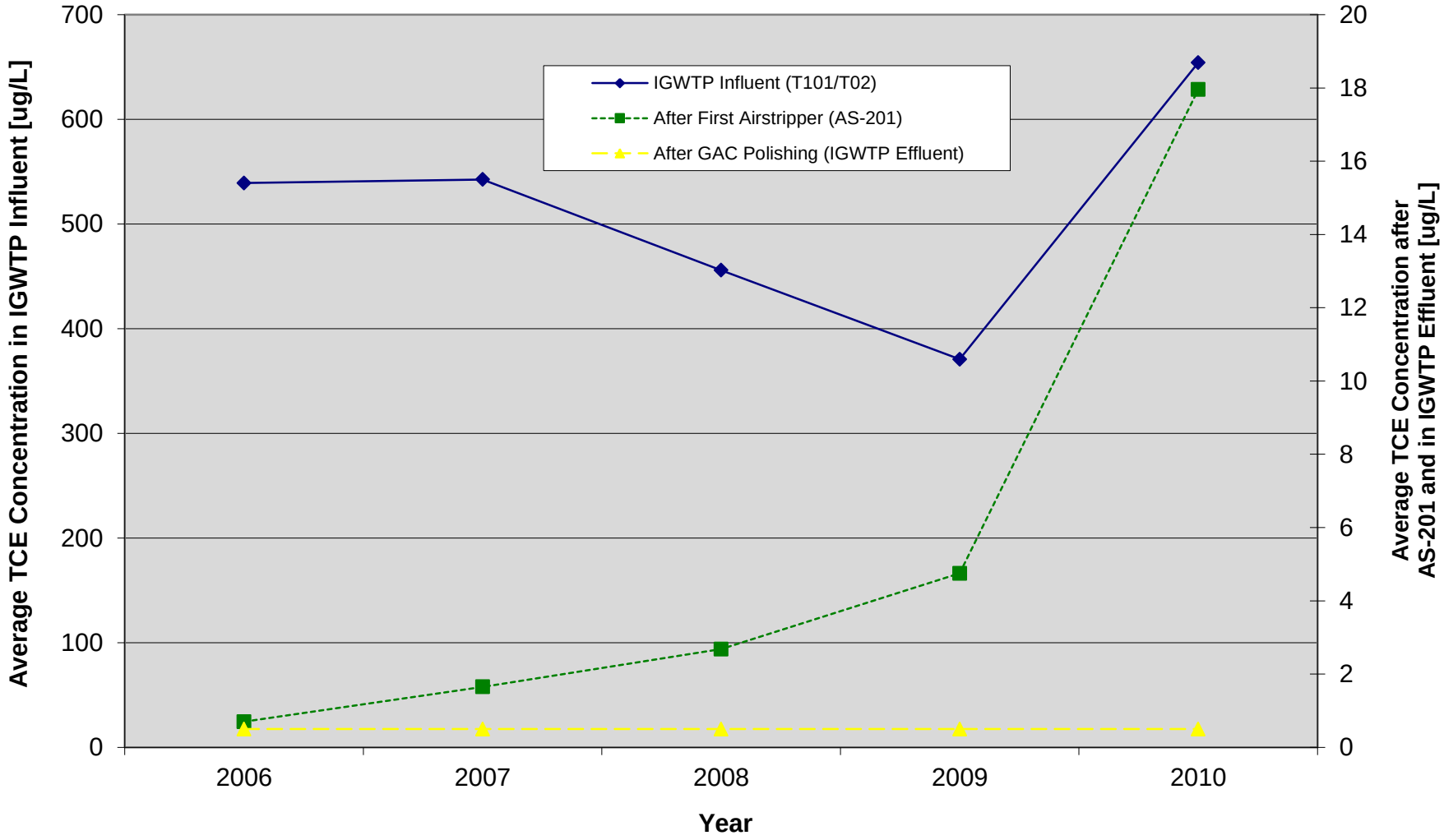
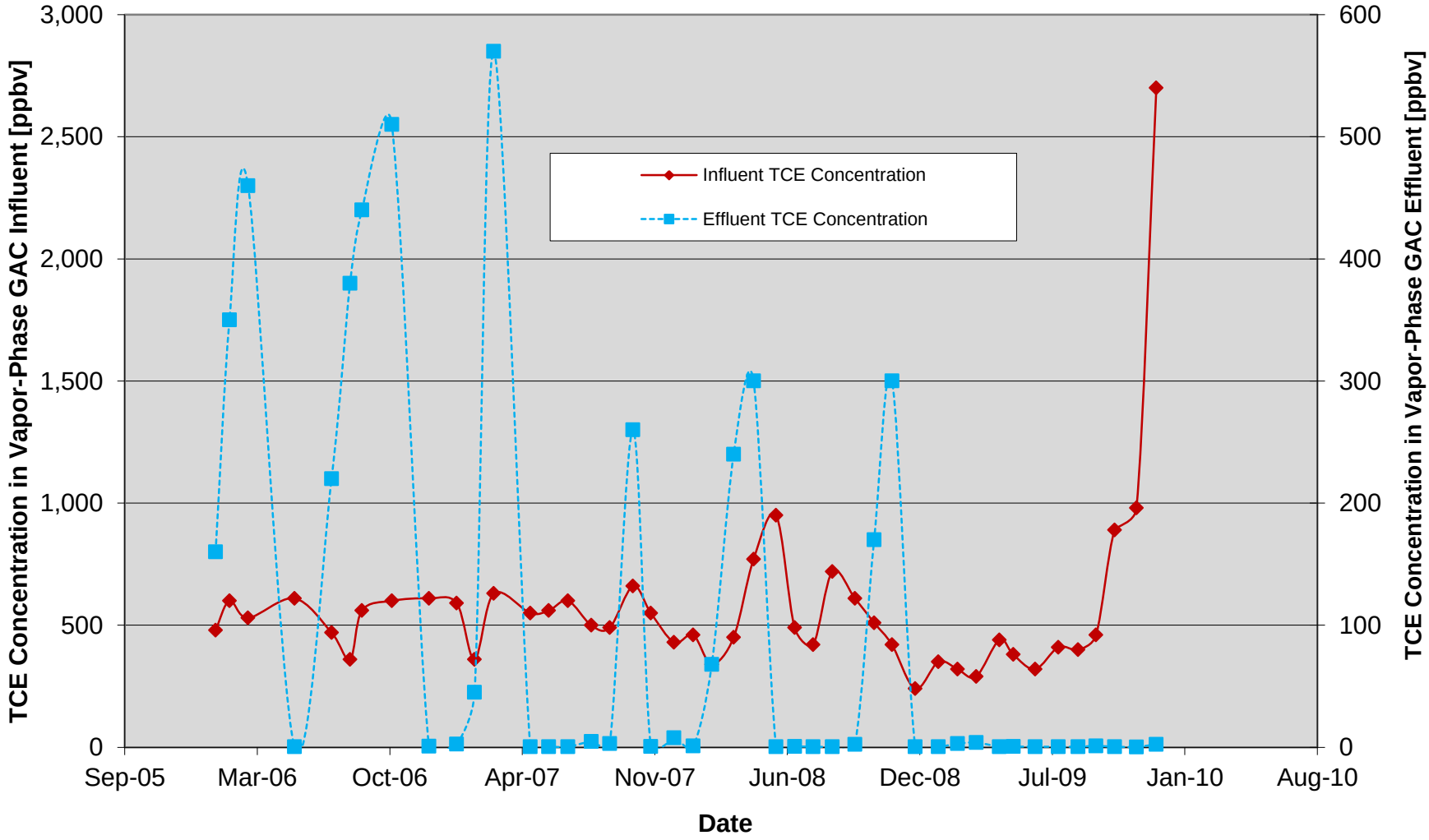



FIGURE 6-3
TCE CONCENTRATIONS IN IGWTP OFF-GAS TREATMENT OPERATIONS
2011 Sitewide Five-Year Review - Motorola 52nd Street Superfund Site