



**FINAL INDUSTRIAL SURVEY NO. 3
WITHIN THE
WEST VAN BUREN WQARF REGISTRY SITE
PHOENIX, ARIZONA**

Prepared for

**Arizona Department of Environmental Quality
1110 West Washington Street
Phoenix, AZ 85007**

**ADEQ Contract No. 01-0069
ADEQ Task Assignment No. 01-0069-260000-00A**

August 27, 2002

HydroGeoLogic, Inc.
340 East Palm Lane, Suite A240
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WVHGLC015236



August 27, 2002

Jerry Smit
Responsible Party Search Manager
Superfund Programs Section
Arizona Department of Environmental Quality
1110 W. Washington Street
Phoenix, Arizona 85007

**Re: Final Industrial Survey No. 3, Industrial Survey within the West Van Buren
WQARF Registry Site, Contract No. 01-0069-260000-00A**

Dear Mr. Smit:

Enclosed please find two copies of the "Final Industrial Survey No. 3 within the West Van Buren WQARF Registry Site." If you have any questions, please contact me by telephone at (602) 307-0047 or by e-mail at lcontreras-hendler@hgl.com.

Sincerely,

A handwritten signature in cursive script that reads "Lisa Contreras-Hendler".

Lisa Contreras-Hendler, Esq.
Project Manager

Enclosures

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The findings, opinions, and conclusions contained in this report are solely those of HydroGeoLogic, Inc. These findings, opinions, and conclusions do not necessarily reflect the position of the state of Arizona, or any of its departments or agencies.

WVHGLC015238

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FINAL INDUSTRIAL SURVEY NO. 3 WITHIN THE WEST VAN BUREN WQARF REGISTRY SITE

1.0 INTRODUCTION

On February 14, 2002, HydroGeoLogic, Inc. (HydroGeoLogic) received Task Assignment 01-0069-260000-00A under Contract No. 01-0069 from the Arizona Department of Environmental Quality (ADEQ) to conduct an industrial survey within the West Van Buren Water Quality Assurance Revolving Fund (WQARF) Registry site (site) in Phoenix, Arizona (see Figure 1.1). This industrial survey is the third such investigation conducted within the WQARF site boundary by HydroGeoLogic. HydroGeoLogic conducted the industrial survey to identify potential source areas for tetrachloroethene (PCE), trichloroethene (TCE), 1,1,1-trichloroethane (TCA), 1,2-dichloroethene (DCE), and 1,1-dichloroethane (DCA). The ADEQ directed HydroGeoLogic to locate significant users of these contaminants of concern (COCs). Although chromium is identified as a COC at the West Van Buren WQARF Registry site, it was not one of the COCs under investigation for this industrial survey. The results of the industrial survey will assist the ADEQ in its remedial investigation within the site.

Section 2.0 of this report describes the boundaries for the industrial survey and explains the research methodology. Section 3.0 details the results of the research, and Section 4.0 identifies data gaps that may require further research. Appendix A of this report describes the sources of information consulted while conducting the industrial survey. Appendices B and C detail the city directory research results by business type and chemical type, respectively. Appendix D provides the interview summaries.

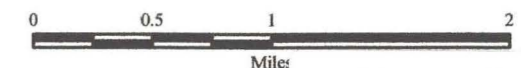
Figure 1.1
Site Location Map
Industrial Survey within the
West Van Buren
WQARF Registry Site

Arizona Department of
Environmental Quality



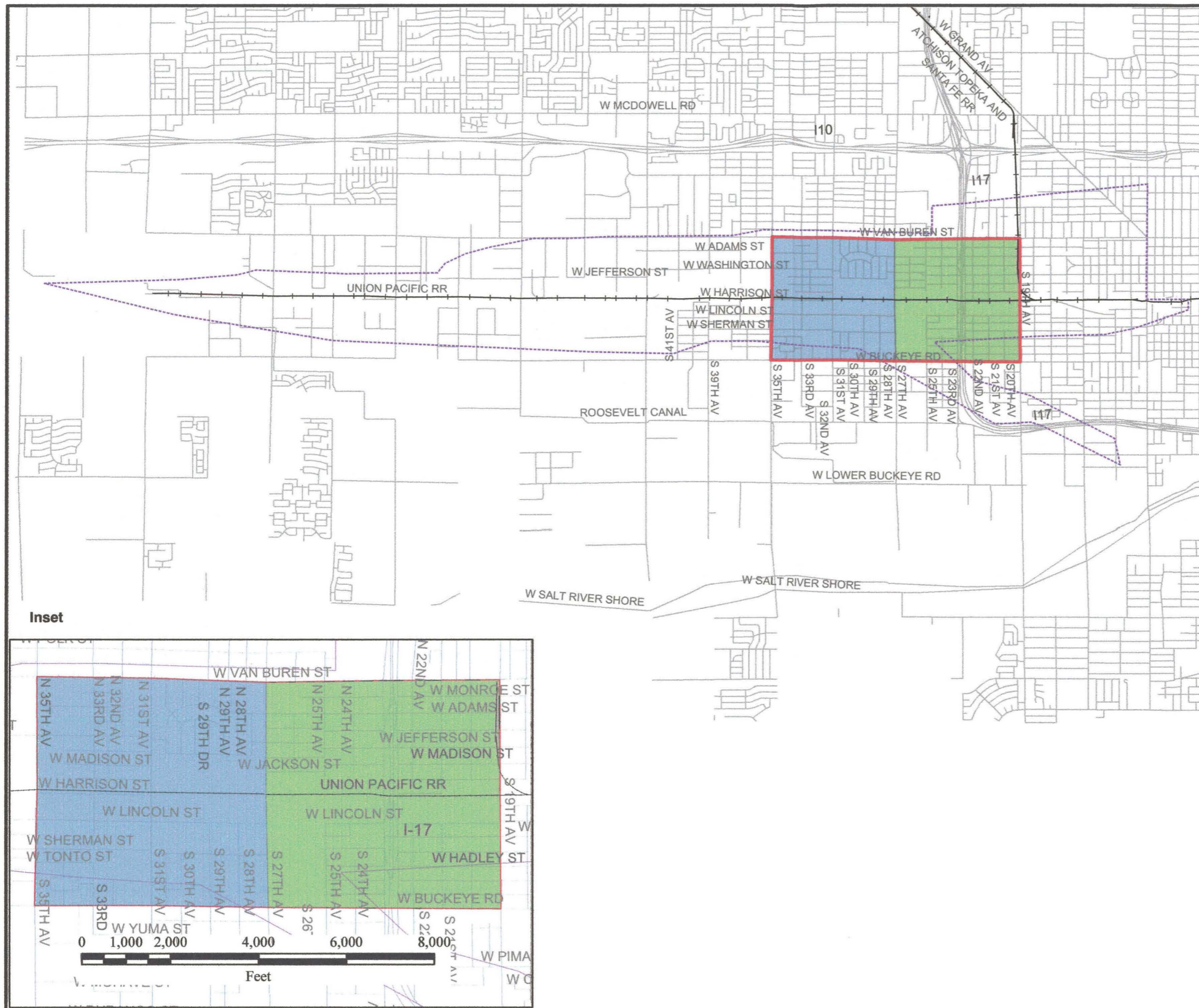
Legend

- Section 11, Township 3 North,
Range 2 East
- Section 12, Township 1 North,
Range 2 East
- Industrial Survey Boundary
- Estimated WQARF Site Boundary
- Railroad
- Street



WVHGLC015244

Filename: x:\phoenix\graphics\TA21
Site21_Location.mxd
Project: ARI002-021-02-02
Created: 4/30/02 RPetrillo
Revised: 8/15/02
Source: City of Phoenix (Basemap 02/02)
ADEQ GIS (WQARF Site Boundary 02/02)



Section 2

WVHGLC015245

2.0 INDUSTRIAL SURVEY METHODOLOGY

2.1 IDENTIFICATION OF SITE BOUNDARIES

HydroGeoLogic conducted this industrial survey to assist the ADEQ in its remedial investigations within the West Van Buren WQARF Registry site. In Task Assignment 01-0069-260000-00A, the ADEQ established the boundaries of the industrial survey as bounded by West Van Buren Street to the north, 19th Avenue to the east, West Buckeye Road to the south, and 35th Avenue to the west. Specifically, the industrial survey boundaries include Sections 11 and 12 of Township 1 North, Range 2 East. HydroGeoLogic used information obtained from the City of Phoenix Planning Department to ascertain the street ranges within the boundaries established by the ADEQ. HydroGeoLogic conducted the industrial survey on the 60 street ranges identified in Table 2.1.

Table 2.1
Industrial Survey Address Ranges

Street Number Range	Street Name	Street Number Range	Street Name
1900-3499	W Adams St	1-99	N 26 th Ave
1900-3499	W Buckeye Rd	1-299	S 26 th Ave
1900-2499	W Grant St	1-299	N 27 th Ave
1900-3499	W Hadley St	1-1199	S 27 th Ave
2100-3499	W Harrison St	1-99	N 27 th Dr
1900-3499	W Jackson St	1-199	S 27 th Dr
1900-3499	W Jefferson St	1-299	N 28 th Ave
1900-3499	W Lincoln St	1-1199	S 28 th Ave
1900-3399	W Madison St	1-99	N 28 th Dr
1900-3499	W Maricopa St	1-199	S 28 th Dr
1900-3399	W Monroe St	100-299	N 29 th Ave
1900-3499	W Sherman St	1-1199	S 29 th Ave
1900-3499	W Tonto St	199-299	N 29 th Dr
1900-3499	W Van Buren St	1-199	S 29 th Dr
1900-3499	W Washington St	1-299	N 30 th Ave
3200-3299	W Wilson St	1-1099	S 30 th Ave
1-299	N 19 th Ave	1-199	N 30 th Dr
1-1199	S 19 th Ave	1-1199	S 30 th Dr
1-299	N 20 th Ave	1-299	N 31 st Ave
1-1199	S 20 th Ave	1-1199	S 31 st Ave
1-299	N 21 st Ave	1-299	N 32 nd Ave
1-1199	S 21 st Ave	900-1199	S 32 nd Ave
1-299	N 22 nd Ave	1-299	S 32 nd Dr
1-1199	S 22 nd Ave	1-299	N 33 rd Ave
1-99	N 23 rd Ave	1-1199	S 33 rd Ave
1-1199	S 23 rd Ave	900-1199	S 34 th Ave
1-299	N 24 th Ave	1-299	N 35 th Ave
1-1199	S 24 th Ave	1-1199	S 35 th Ave
1-299	N 25 th Ave	1-299	N Black Canyon Access
1-1199	S 25 th Ave	1-1199	S Black Canyon Access

2.2 METHODOLOGY

2.2.1 City of Phoenix Directory

In conducting the industrial survey, HydroGeoLogic reviewed city directories for Phoenix published by Cole's, Con Survey, Johnson's, and Polk's from 1935 through 2001. The city directories are divided into two parts, a street directory guide and a business directory guide. To conduct the industrial survey, HydroGeoLogic reviewed business directory guides for the city of Phoenix already maintained in its document collection. By reviewing the business directory guides, HydroGeoLogic captured companies that fell within both the address range for the site and a business category that is likely to have generated the COCs. The set of business directories maintained in HydroGeoLogic's document collection is inclusive of the following years: 1935-1942; 1945-1953; 1955-1961; 1963-1969; 1971; 1973; 1976-1977; 1979-1980; 1982-1983. In addition, HydroGeoLogic visited the Arizona State University Library, the City of Phoenix Library, and that State Capitol Library to obtain the street directory guide sections for the intervening years for which no business directory guide sections existed. Copies of the street address ranges were made for the following years: 1962; 1970; 1974-1975; 1978; 1981; and 1984 through 2002. HydroGeoLogic was unable to locate city directories for 1943, 1944, and 1954.

HydroGeoLogic included a business in the industrial survey if the business was listed under a business category that is likely to significantly use or generate the COCs identified at the site. For the years that HydroGeoLogic reviewed the street address guides, a business was included if the company's name indicated that its business processes were likely to significantly use or generate the COCs identified at the site. To determine which businesses were probable significant users of the COCs, HydroGeoLogic reviewed a collection of city directories from 1935 to the present, and compiled a representative list of business categories from the directories' business directory guide. HydroGeoLogic then assigned the business categories a number ranging from Y1 to Y3, depending on probable COC usage for that type of business (Y1 indicating the least usage and Y3 indicating the most significant usage). In some cases, business categories were assigned all three designations because the level of COC usage would depend on the size of a business and the scale of its operations. In such cases, the category was placed in the highest range (Y3). As directed by the ADEQ, only businesses within categories designated as significant users (Y3) were included in the industrial survey. To consolidate the number of business categories, HydroGeoLogic assigned a general business type to categories that had similar processes and chemical usage. The following business types and associated categories were identified as potentially significant users of the COCs for the industrial survey (see Table 2.2):

Table 2.2
Industrial Survey Business Categories

Business Type	City Directory Business Categories
Air Conditioning Manufacturing	Air Conditioning Manufacturers
Aircraft Repair	Air Transportation Aircraft Repair Aircraft Servicing & Maintenance Airplane Repairing Crop Dusting
Auto Body Repair (all vehicles)	Automobile Body & Fender Work Automobile Body Repairing
Auto Painting Operations (all vehicles)	Automobile Painting
Auto Repair (all vehicles)	Automobile Bumpers Automobile Engine Rebuilding Engines – Diesel Sales & Service (service only) Engines – Gasoline Sales & Service (service only) Motor Rebuilding Transmission Service (includes Hydra-Matic)
Chemical Manufacturing and Distribution	Chemical Manufacturers Chemicals
Cotton Production	Cotton Processors
Cotton Seed Oil Manufacturing Operations	Cotton Seed Oil Manufacturing
Dry Cleaning Operations	Cleaners & Dyers Dry Cleaners Dry Goods Home Linen Service Linen/Textile Supply Rug Cleaning & Repairing (if done at company)
Foundry Operations	Foundries (Iron & Steel) Iron & Steel Works Iron Casting Treaters Typefounders
Fumigant Production and Formulation	Citrus Groves/Lands Crop Dusting Exterminators Flour Dealers & Mills Fumigation Material Grain Dealers Pest Control
Insecticide Production and Formulation	Crop Dusting Exterminators Grain Insecticides Insecticides Pest Control

Table 2.2 (continued)
Industrial Survey Business Categories

Business Type	City Directory Business Categories
Manufacturing Operations	Airplane Parts Manufacturers Automatic Washers Automobile Accessories & Parts Manufacturer Boiler Manufacturers Cotton Gin Machine Manufacturing Electrical & Electronic Equipment Manufacturer Lubricant Manufacturers Machine Part Manufacturers Machine Tool Manufacturers Machinery Manufacturers Precision Parts Manufacturers Tool & Dye Manufacturers Tool Manufacturers Trailer Manufacturers Truck Body Manufacturing
Metal Fabrication & Plating - Aluminum	Aluminum Fabricators Aluminum Finishing Aluminum Plating Aluminum Products Manufacturers
Metal Fabrication & Plating – Non-Aluminum	Machine Works Metal Fabricators Metal Finishing Metal Plating Metal Products Metal Trim Metal Works Sheet Metal Works Steel Fabricators Steel Manufacturers
Miscellaneous Degreasing Operations	Railroads (only equipment yards and maintenance facilities)
Paint Manufacturing	Paint Manufacturers
Plastic Manufacturing	Plastic Manufacturers
Potential Fleet Maintenance	Fleet Maintenance
Printing Operations	Directory Publishers Map Publishers Newspapers & Publications Printers Printers Ink Manufacturers Printing Supplies & Equipment Manufacturers Publishers
Textile Processing & Manufacturing	Textile Dyeing (raw) Textile Manufacturers Textile Processing
Transformers	Electrical & Electronic Equipment Manufacturer Motors & Transformers Power Companies Railroads (only equipment yards and maintenance facilities) Telephone & Telegraph Companies

Table 2.2 (concluded)
Industrial Survey No. 1 Business Categories

Business Type	City Directory Business Categories
Varnish Productions	Varnishes (manufacturers)
Vulcanizing Operations	Rubber Companies (not tires) Tire Manufacturers Vulcanizers

If a company was located within the survey boundaries and its name indicated that it fell into one of the business types listed above, it was entered into the industrial survey database (database). Using the street directory information, HydroGeoLogic populated a database that includes company name, address, and years of operation, business type, and source of information. If there were minor variations in a company's name over time (e.g., Acme Auto Repair Co. in 1935 and Acme Auto Repair Co. Inc. in 1936), HydroGeoLogic assumed that the same business was operating at the address and used the more descriptive name for all the years the business operated. If a company conducted more than one type of operation (e.g., XY Body Repair and Painting Shop), it was entered under the appropriate business types, for example, Auto Body Repair and Auto Painting Operations.

2.2.2 Resource Conservation and Recovery Act Notification Files

HydroGeoLogic reviewed Resource Conservation and Recovery Act (RCRA) notification files for information to identify permitted facilities within the industrial survey boundaries. RCRA facilities were identified by reviewing the ADEQ RCRA notification finding aid. HydroGeoLogic located 41 facilities with either active or deactivated RCRA identification (ID) numbers within the survey boundaries.

2.2.3 RCRA Case Files

HydroGeoLogic reviewed the ADEQ RCRA open and closed case finding aids to locate relevant files and identified one open case file and ten closed case files. HydroGeoLogic visited the ADEQ to review RCRA files and obtain relevant information. In addition, HydroGeoLogic made an inquiry to the RCRA department to determine the number of case files containing confidential files. As directed by the ADEQ, HydroGeoLogic did not review any RCRA confidential files. Those files that are identified as containing confidential information are noted in Section 3.0 of this report.

2.2.4 Comprehensive Environmental Response, Compensation, and Liability Act

HydroGeoLogic conducted Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) research by querying the United States Environmental Protection Agency's (U.S. EPA) CERCLA Information System (CERCLIS) via the Internet. HydroGeoLogic reviewed the list of facilities in Phoenix, Arizona that is included in the database to determine if the listed facilities were within the industrial survey boundaries.

In addition, HydroGeoLogic reviewed the facilities in Phoenix, Arizona that is included in the EPA's archived sites database to determine which facilities were located within the industrial survey boundaries. The EPA lists facilities on the archived sites database when it is completed with its assessment of the property, and it has determined that no further steps will be taken to list that facility on the National Priorities List (NPL).

2.2.5 Preliminary Assessment/Site Investigation

HydroGeoLogic reviewed the preliminary assessment/site investigation (PA/SI) finding aid provided by the ADEQ to identify facilities within the survey boundaries where PA/SI work has been conducted. HydroGeoLogic reviewed the PA/SI finding aid to identify facilities within the zip code for the industrial survey, which is identified as 85009. Once the zip code was identified, HydroGeoLogic reviewed the corresponding facility address to determine if it was located within the survey boundary. HydroGeoLogic then requested and reviewed the PA/SI files at the ADEQ.

2.2.6 Underground Storage Tanks and Leaking Underground Storage Tanks

HydroGeoLogic reviewed the underground storage tank and leaking underground storage tank (UST/LUST) databases to identify facilities within the survey boundaries where the COCs may have been stored and/or released into the environment. HydroGeoLogic reviewed the database to determine which facilities maintained tanks containing waste oil, used oil, solvents, or an unknown product. Sixteen facilities were identified that maintain or maintained USTs containing the above-listed contents. Relevant information from the files was copied.

HydroGeoLogic only reviewed LUST files for the UST facilities with tanks containing waste oil, used oil, solvents, or an unknown product. The files were reviewed to determine if the COCs were the subject of the LUST incident. Documents were copied from eight LUST files. If the UST or LUST file indicated that a facility was tested for volatile organic compounds (VOCs), those findings were copied and discussed in Section 3.0.

2.2.7 ADEQ State Permits List (Wastewater Treatment Plant, Reuse, or Other Permits)

The ADEQ conducted a search of the ADEQ State Permit List for information in the applications and permits section of the water quality database. The search was constructed using the zip code of the industrial survey, 85009. The results of this research were provided to HydroGeoLogic for inclusion into this report.

2.2.8 City of Phoenix Fire Department Inspections or Hazardous Materials Incidents

HydroGeoLogic submitted a letter request to the City of Phoenix Fire Department asking for notification regarding incidents which may have occurred at addresses within the industrial survey site boundaries. The request included a list of individual addresses identified through a review of both the city of Phoenix city directories and the ADEQ files noted as pertaining to a facility within the industrial survey site boundaries.

The City of Phoenix Fire Department personnel then performed a search for each individual address to determine if fire, medical, hazardous materials, or car accident incidents occurred at the property.

The City of Phoenix Fire Department records date back to 1982. The search conducted by the city of Phoenix was inclusive of records dating from 1995 to the present. HydroGeoLogic was informed that an archives search would need to be conducted in order to access records dating back to 1982.

2.2.9 City of Phoenix Industrial Pretreatment Violations

HydroGeoLogic visited the Pollution Control Division of the City of Phoenix Water Services Department to review city of Phoenix pre-treatment violations reports for the years 1988 to 2000 to determine if any party located within the industrial survey boundaries received a violation. Information is not maintained for the years prior to 1988. HydroGeoLogic did not identify any parties with pretreatment violations pertaining to the COCs identified at the site.

2.2.10 State of Arizona Occupational Safety and Health Act Violations or Incidents

HydroGeoLogic queried the U.S. Department of Labor Occupational Safety and Health Act (OSHA) facility inspection database by entering the names of facilities identified through HydroGeoLogic's city directory search. HydroGeoLogic obtained information regarding incidents and violations for 21 facilities within the site boundaries.

2.2.11 Maricopa County Non-Residential Septic Tanks

HydroGeoLogic provided a list of addresses obtained through its city directory review and the corresponding legal descriptions of properties located within the survey boundaries to the Environmental Services Department of Maricopa County to request non-residential septic tank information. To obtain the legal property descriptions, HydroGeoLogic accessed the Maricopa County Assessor's website.

The Maricopa County Assessor's website did not provide legal descriptions for several properties identified in HydroGeoLogic's city directory search. Because the Environmental Services Department is unable to conduct searches for property addresses without a legal property description, it is unknown whether those properties maintained septic tank systems. The department conducted a search of its records for the addresses with a legal property description and provided HydroGeoLogic with the search results.

2.2.12 Maricopa County Air Quality Violations

HydroGeoLogic provided the Air Quality Department of the Maricopa County Environmental Services Division with a list of facility names identified through its city directory search to request information pertaining to air quality violations within the industrial survey boundaries. Because Air Quality records only date back five years, HydroGeoLogic only requested information on facilities known to have operated within the past five years. This list comprised approximately 90 facilities. The Air Quality Department conducted a query of a notice of violations database by entering facility names into the database and provided HydroGeoLogic with the search results.

2.2.13 Registered Dry Wells

HydroGeoLogic conducted dry well research by querying the ADEQ's dry well database, via the Internet. HydroGeoLogic queried the database on the zip code of the industrial survey and found 22 registered dry wells within the survey boundaries.

2.2.14 Aerial Photographs

HydroGeoLogic identified two aerial photographs within its document collection for the West Van Buren WQARF Registry site that are inclusive of the industrial survey boundaries. The date and source of the aerial photographs are unknown. HydroGeoLogic retained the services of Jack Robertson, P.G., the consulting hydrogeologist to HydroGeoLogic, to evaluate these photographs for evidence of commercial or industrial operations conducted in the study area and environmental contamination.

2.2.15 Interviews

HydroGeoLogic interviewed four individuals whom were thought to have information regarding operations within the industrial survey site. The individuals included the ADEQ project manager and project hydrologist for the West Van Buren WQARF Registry site and two former ADEQ project managers for the West Van Buren WQARF Registry site. Appendix D contains the summaries of interviews with these individuals.

Section 3

WVHGLC015254

3.0 INDUSTRIAL SURVEY RESULTS

3.1 CITY OF PHOENIX DIRECTORY RESULTS

As a result of the city of Phoenix directory search, HydroGeoLogic identified 295 businesses at 186 distinct addresses within the survey boundaries as potential users of PCE, TCE, TCA, DCE, and DCA. Figure 3.1 depicts the results of the city of Phoenix directory searches. Due to the number of facilities identified, facility locations and their corresponding company names and addresses were not combined on one map; therefore, Figure 3.1 depicts just the facility locations with each address assigned its own Address ID. Table 3.1 lists the facilities by Address ID, street address, and then alphabetically by name of the business. This table is designed to be used in conjunction with Figure 3.1. Appendices B and C list the specific businesses within the industrial survey by business type, and COC, respectively. From the list of business types identified as significant users noted above in Table 2.2, HydroGeoLogic identified companies in 19 categories:

- Air Conditioning Manufacturing: 3 businesses
- Aircraft Repair: 3 businesses
- Auto Body Repair: 68 businesses
- Auto Painting Operations: 24 businesses
- Auto Repair: 21 businesses
- Chemical Manufacturing and Distribution: 10 businesses
- Dry Cleaning Operations: 28 businesses
- Foundry Operations: 5 businesses
- Fumigant Production and Use: 7 businesses
- Insecticide Production and Formulation: 2 businesses
- Manufacturing Operations: 21 businesses
- Metal Fabrication and Plating–Aluminum: 5 businesses
- Metal Fabrication and Plating–Non-Aluminum: 74 businesses
- Plastic Manufacturing: 9 businesses
- Potential Fleet Maintenance: 1 business
- Printing Operations: 6 businesses
- Textile Processing and Manufacturing: 1 business
- Transformers: 1 business
- Vulcanizing Operations: 6 businesses

The Metal Fabrication and Plating-Non-Aluminum and Auto Body Repair business types comprised the largest groups of potential users of the COCs identified at the site with 74 and 68 businesses, respectively. Several addresses within the industrial survey have had manufacturing operations on-site for at least 67 years. At some addresses, operations spanned a number of years, but involved several different companies.

Table 3.1
City Directory Results

Address ID	Street Name	Street Number	Business Name	Business Type	Years of Operation
	S 19th Ave				
1		301	Arizona Iron Works Coates Steel Co Reynolds Metals Co	Foundry Operations Metal Fabrication and Plating–Non-Aluminum Metal Fabrication and Plating–Non-Aluminum	1935–1953 1950–1951 1964–1977
2		320	National Aircraft Division National Iron and Metal Co National Iron and Metal Co National Metals Co National Steel and Construction Co	Aircraft Repair Metal Fabrication and Plating–Non-Aluminum Metal Fabrication and Plating–Non-Aluminum Metal Fabrication and Plating–Non-Aluminum Metal Fabrication and Plating–Non-Aluminum	1969–1974 1941–1943 1946–1952 1953–2002 1953–1974
3		420	Allison Steel Manufacturing Co Schuff Steel Co	Metal Fabrication and Plating–Aluminum Metal Fabrication and Plating–Non-Aluminum	1964–1967 1987–2002
4		490	Allison Steel Manufacturing Co Atlas Powder Agency	Metal Fabrication and Plating–Aluminum Chemical Manufacturing and Distribution	1935–1953 1938–1946
5		498	Allison Steel Manufacturing Co	Metal Fabrication and Plating–Aluminum	1956
6		499	Allison Steel Manufacturing Co Allison Steel Manufacturing Co	Metal Fabrication and Plating–Aluminum Metal Fabrication and Plating–Aluminum	1952–1955 1957–1963
7		620	Marathon Steel	Metal Fabrication and Plating–Non-Aluminum	1974–1975

Table 3.1 (continued)
City Directory Results

Address ID	Street Name	Street Number	Business Name	Business Type	Years of Operation
S 19th Ave (concluded)					
8		721	Audobe Auto Body Commercial Body and Paint Shop Commercial Body and Paint Shop	Auto Body Repair Auto Body Repair Auto Painting Operations	1991–1992 1977–1983 1977–1983
9		902	Capitol Collision Repair	Auto Body Repair	1991–2002
10		928	Artistic Cleaners Palms Cleaners	Dry Cleaning Operations Dry Cleaning Operations	1953 1952
11		1011	D and D Diesel Repair	Auto Repair	1992–1995
S 23rd Ave					
12		310	Central Auto Shop	Auto Body Repair	1966
13		602	Designers Manufacturing Corp Goldies Auto Rebuilding and Salvage Co Grand Avenue Auto Parts	Metal Fabrication and Plating–Non-Aluminum Auto Body Repair Manufacturing Operations	1948 1952–1953 1965–1974
14		610	Central Auto Shop Hanks Body Shop Macs Diesel Service	Auto Body Repair Auto Body Repair Auto Repair	1964–1965 1982–1983 1971
15		712	Continental Manufacturing Co International Metal Products	Air Conditioning Manufacturing Air Conditioning Manufacturing	1955–1959 1960
16		720	American Hammered Auto Steel Motions Co	Auto Body Repair Metal Fabrication and Plating–Non-Aluminum	1978–1982 1983–1986
17		902	Hanks Body Shop Hanks Body Shop	Auto Body Repair Auto Body Repair	1975 1978–1981
18		1102	Hughes Converters	Metal Fabrication and Plating–Non-Aluminum	1978–1986
19		1110	Hess Laundry and Dry Cleaners	Dry Cleaning Operations	1953

Table 3.1 (continued)
City Directory Results

Address ID	Street Name	Street Number	Business Name	Business Type	Years of Operation
S 24th Ave					
20		310	Allied Grain Co	Fumigant Production and Use	1946–1956
			Allied Seed and Grain Co	Fumigant Production and Use	1957–1961
			Arizona Sheet Fabrications	Metal Fabrication and Plating–Non-Aluminum	1994–2000
			Continental Grain Co	Fumigant Production and Use	1960–1962
			Feeders Grain Co Inc	Fumigant Production and Use	1963–2002
S 25th Ave					
21		212	P and M Steel Fabrication Co	Metal Fabrication and Plating–Non-Aluminum	1959
			Young Steel Buildings	Metal Fabrication and Plating–Non-Aluminum	1955
22		300	Desanno Foundry	Foundry Operations	1992
			Rotorway Aircraft	Aircraft Repair	1991–1992
			Rotorway International	Aircraft Repair	1991
			Rotorway International	Aircraft Repair	1993
23		801	Custom Metal Finishing	Metal Fabrication and Plating–Non-Aluminum	1990–1991
24		1027	F and R Truck and Trailer Repair	Auto Repair	1989–1990
S 27th Ave					
25		321	Consolidated Rebar Inc	Metal Fabrication and Plating–Non-Aluminum	1997–2002
			Olson Erectors	Metal Fabrication and Plating–Non-Aluminum	1986–1992
			Viking Steel	Metal Fabrication and Plating–Non-Aluminum	1986–1992
26		1018	C and C Fabrications	Metal Fabrication and Plating–Non-Aluminum	1981
N 28th Ave					
27		126	Motor Works	Auto Repair	1990
			Phoenix Motor Works	Auto Repair	1991

Table 3.1 (continued)
City Directory Results

Address ID	Street Name	Street Number	Business Name	Business Type	Years of Operation
S 31st Ave					
28		401	Sun Plating	Metal Fabrication and Plating–Non-Aluminum	1981–1982
29		411	Franks Standard and Automatic	Auto Repair	2000–2001
30		431	Barrys Chrome Shop	Metal Fabrication and Plating–Non-Aluminum	1982–1985
S 33rd Ave					
31		620	J and O Paint and Body Shop J and O Paint and Body Shop	Auto Body Repair Auto Painting Operations	1984–1986 1984–1986
N 35th Ave					
32		1	Hi-Tech Transmissions	Auto Repair	1992–1997
S 35th Ave					
33		5	Malverde Body Shop	Auto Body Repair	1989–1990
34		101	Ray and Bobs Trucks and Salvage	Manufacturing Operations	1970–1993
35		411	Diamond Auto Body	Auto Body Repair	1989–1990
36		420	Arizona Industrial Retreading Goodyear Retread Plant Superior Retreading	Vulcanizing Operations Vulcanizing Operations Vulcanizing Operations	1984–1994 1972–1982 1984–1993
37		550	Circle Metals Co Diamond Perforated Metal	Metal Fabrication and Plating–Non-Aluminum Metal Fabrication and Plating–Non-Aluminum	1982 1982
38		710	Southwest Metal Industries Vernon Tool Co of Arizona	Metal Fabrication and Plating–Non-Aluminum Manufacturing Operations	1964–1971 1950–1963
39		1005	Als Auto Body Shop	Auto Body Repair	1971

Table 3.1 (continued)
City Directory Results

Address ID	Street Name	Street Number	Business Name	Business Type	Years of Operation
S 35th Ave (concluded)					
40		1015	Freds Truck and Body Repair Fred's Truck and Body Repair Rebuild Square Deal Garage Square Deal Garage Square Deal Paint Shop	Auto Body Repair Auto Body Repair Auto Body Repair Auto Body Repair Auto Painting Operations Auto Painting Operations	1976–1977 1979–1980 1963 1959 1959 1952
41		1128	Complete Laundry and Dry Cleaning Supermat Laundry and Dry Cleaning	Dry Cleaning Operations Dry Cleaning Operations	1971 1978
W Buckeye Rd					
42		1938	Jesses Body Shop	Auto Body Repair	1998–2002
43		2018	Japanese Engines	Auto Repair	1991
44		2020	Commander Chemical and Supply Co Inc J and R Paint and Body J and R Paint and Body Oscars Body Shop Rudys Body Shop	Chemical Manufacturing and Distribution Auto Body Repair Auto Painting Operations Auto Body Repair Auto Body Repair	1962–1969 1988 1988 1993–1994 1989
45		2021	Certified Machine and Manufacturing Inc	Metal Fabrication and Plating–Non-Aluminum	1982–1988
46		2028	Certified Machine and Manufacturing Inc Jesses Body Shop	Metal Fabrication and Plating–Non-Aluminum Auto Body Repair	1983–1987 1989
47		2032	Certified Machine and Manufacturing Inc Quality Paint and Body Shop Quality Paint and Body Shop Steel Fabricators Valley Aluminum Co Valley Diesel Service	Manufacturing Operations Auto Body Repair Auto Painting Operations Metal Fabrication and Plating–Non-Aluminum Metal Fabrication and Plating–Aluminum Auto Repair	1981 1963 1963 1987 1971 1975–1977

Table 3.1 (continued)
City Directory Results

Address ID	Street Name	Street Number	Business Name	Business Type	Years of Operation
	W Buckeye Rd (continued)				
48		2040	Arizona Carburetor Manufacturing Mapco Core and Metals Nifty Cleaners Stud Welding Specialists	Manufacturing Operations Metal Fabrication and Plating–Non-Aluminum Dry Cleaning Operations Metal Fabrication and Plating–Non-Aluminum	2000–2001 1996–1998 1949 1982–1983
49		2046	Arizona Carburetor Manufacturing	Manufacturing Operations	2002
50		2119	Allied Metals	Metal Fabrication and Plating–Non-Aluminum	1970–1978
51		2121	Phoenix Chrome Specialty	Metal Fabrication and Plating–Non-Aluminum	1989
52		2149	Mobile Diesel Repair	Auto Repair	1981–1982
53		2316	Andys Transmission Specialists	Auto Repair	1987
			Magic Touch Paint and Body Shop	Auto Body Repair	1982–1985
			Magic Touch Paint and Body Shop	Auto Painting Operations	1982–1985
			Rucos Body Shop	Auto Body Repair	1991
			Steves Auto Body	Auto Body Repair	1978–1980
54		2320	Oros Body Shop Steves Auto Body VRP Fabrication	Auto Body Repair Auto Body Repair Metal Fabrication and Plating–Aluminum	1991 1981 1977–1980
55		2425	Hanks Body Shop	Auto Body Repair	1988–1989
56		2530	A-1 Film and Tarp Co A-1 Polyethylene Film A-1 Polyethylene Sheeting and Tarp Co	Plastic Manufacturing Plastic Manufacturing Plastic Manufacturing	1996–2000 1981–1995 1972–1980

Table 3.1 (continued)
City Directory Results

Address ID	Street Name	Street Number	Business Name	Business Type	Years of Operation
W Buckeye Rd (continued)					
57		2539	D and W Auto Body Shop T and C Truck and Trailer Service	Auto Body Repair Auto Repair	1961 1982–1995
58		2540	A-1 Poly Arizona Bag A-1 Polyethylene Film A-1 Polyethylene Sheeting and Tarp Co	Plastic Manufacturing Plastic Manufacturing Plastic Manufacturing	1996–1997 1984–1995 1981–1983
59		2541	E H Goetz Manufacturing Co	Manufacturing Operations	1968
60		2724	Arts Paint and Body Arts Paint and Body Classic Car Specialists J and B Auto Clinic Oscars Body Shop Sonnys Body Shop	Auto Body Repair Auto Painting Operations Auto Body Repair Auto Body Repair Auto Body Repair Auto Body Repair	1981 1981 1982–1984 1968–1969 1992–1995 1986–1987
61		2733	Richwood Metals Corp	Metal Fabrication and Plating–Non-Aluminum	1983–1988
62		2736	Espinoza Body Shop Floris Painting and Body Shop Floris Painting and Body Shop J and R Body Shop Robertos Body Shop	Auto Body Repair Auto Body Repair Auto Painting Operations Auto Body Repair Auto Body Repair	2002 1988 1988 2000–2001 1991
63		2746	Tonys Auto Body	Auto Body Repair	1990
64		2801	C and C Truck Body Repair	Auto Body Repair	1973
65		2802	Nates Diesel Service W and W Auto Repair and Body Shop	Auto Repair Auto Body Repair	1985 1976
66		2810	C and C Truck Body Repair	Auto Body Repair	1971
67		2822	Waynes Truck Service	Auto Repair	1971

Table 3.1 (continued)
City Directory Results

Address ID	Street Name	Street Number	Business Name	Business Type	Years of Operation
	W Buckeye Rd (continued)				
68		2835	Body Works Morenos Paint and Body Morenos Paint and Body	Auto Body Repair Auto Body Repair Auto Painting Operations	1996 2000 2000
			Quintana Body Works	Auto Body Repair	1995
69		2901	Buckeye Road Cleaners	Dry Cleaning Operations	2002
70		2919	Bakepaint Body Shop	Auto Body Repair	1972–1973
71		2942	Classy Cleaners	Dry Cleaning Operations	1951
72		2950	Pruetts Automatic Transmission Pruetts Automatic Transmission Pruetts Automatic Transmission Pruetts Automatic Transmission	Auto Repair Auto Repair Auto Repair Auto Repair	1969 1971 1976–1977 1979–2002
		2950, Front	Wild West Body Shop	Auto Body Repair	1982
73		3001	Oscars Body Shop	Auto Body Repair	1997–1999
74		3011	Bakepaint Body Shop	Auto Body Repair	1974
75		3029	Louis Paint and Body Louis Paint and Body	Auto Body Repair Auto Painting Operations	1996 1996
76		3038	B and M Body Shop	Auto Body Repair	1950–1951
77		3040	Armor Metals Inc Armor Retinning Works	Metal Fabrication and Plating–Non-Aluminum Metal Fabrication and Plating–Non-Aluminum	1970–1991 1961
78		3045	Raul Body Shop and Paint Raul Body Shop and Paint	Auto Body Repair Auto Painting Operations	2001–2002 2001–2002
79		3100	Porta House Inc	Manufacturing Operations	1990

Table 3.1 (continued)
City Directory Results

Address ID	Street Name	Street Number	Business Name	Business Type	Years of Operation
W Buckeye Rd (concluded)					
80		3300	AAA Fabricators	Metal Fabrication and Plating—Non-Aluminum	1974–1975
81		3315	Globe Ticket Co Venus Sales Co	Printing Operations Textile Processing and Manufacturing	1967–1969 1978–1982
82		3333	Firestone Mastercraft Firestone Tire and Rubber Co Firestone Truck and Farm	Vulcanizing Operations Vulcanizing Operations Vulcanizing Operations	1989–1991 1980–1988 1992–1994
83		3344	Business Printing Service Business Printing Service	Printing Operations Printing Operations	1961 1963
84		3401	Fortune Plastics Arizona Hanson-Loran Chemical	Plastic Manufacturing Chemical Manufacturing and Distribution	1992–1997 1982
85		3406	Poly-Flex Inc Abridge Tool and Manufacturing	Plastic Manufacturing Manufacturing Operations	1980–1991 1972–1975
W Grant St					
86		1919	Apache Iron Works	Manufacturing Operations	1953
87		1921	Allied Porcerell Inc	Metal Fabrication and Plating—Non-Aluminum	1955–1956
88		2048	A and T Rebuilding	Auto Body Repair	1981–1987
89		2106	Maricopa Tractor Co	Auto Repair	1970–1974
90		2145	La Palma Auto Body and Paint La Palma Auto Body and Paint	Auto Body Repair Auto Painting Operations	1983–1988 1983–1988
W Hadley St					
91		1902	Agency Dry Cleaners	Dry Cleaning Operations	1951

Table 3.1 (continued)
City Directory Results

Address ID	Street Name	Street Number	Business Name	Business Type	Years of Operation
W Harrison St					
92		3111	M Y Auto and Diesel Repair	Auto Repair	1999–2000
93		3131	Chetco Steel	Metal Fabrication and Plating–Non-Aluminum	1987–1990
			Chetco Steel	Metal Fabrication and Plating–Non-Aluminum	1992–2002
			Solar Steel	Metal Fabrication and Plating–Non-Aluminum	2000–2002
94		3207	Clements Tool and Engineering Skyline Metal	Manufacturing Operations Metal Fabrication and Plating–Non-Aluminum	1969–1992 1995–2002
W Jackson St					
95		2008	Arizona Chemical Co	Chemical Manufacturing and Distribution	1948
			Louies Black Oxide	Metal Fabrication and Plating–Non-Aluminum	1991–2002
96		2011	Pacific Chemical Co	Chemical Manufacturing and Distribution	1949
97		2034	Engle and Hoskin Inc Engle and Hoskin Radiator Exchange Inc	Manufacturing Operations Manufacturing Operations	1998–2002 1959–1997
98		2101	Alpine Steel Inc	Metal Fabrication and Plating–Non-Aluminum	1994–2002
			Arizona Rebar Inc	Metal Fabrication and Plating–Non-Aluminum	1991–1993
			Bear River Steel	Metal Fabrication and Plating–Non-Aluminum	1984–1988
			Harris Arizona Rebar Inc	Metal Fabrication and Plating–Non-Aluminum	1994–2002
			J D Steel Co Inc	Metal Fabrication and Plating–Non-Aluminum	1984–2002

Table 3.1 (continued)
City Directory Results

Address ID	Street Name	Street Number	Business Name	Business Type	Years of Operation
W Jackson St (continued)					
99		2117	Arizona Rebar Inc	Metal Fabrication and Plating–Non-Aluminum	1991
			Bear River Steel	Metal Fabrication and Plating–Non-Aluminum	1989–1990
			Sentry Steel Inc	Metal Fabrication and Plating–Non-Aluminum	1984–1985
100		2125	Francies Date Co	Fumigant Production and Use	1958–1999
101		2210	Fast Diesel and Auto	Auto Repair	1972
102		2246	Mountaineer Manufacturing Co	Air Conditioning Manufacturing	1950–1952
103		2501	Desanno Foundry	Foundry Operations	1993–1995
			Rotorway Aircraft	Aircraft Repair	1989–1990
			Rotorway Foundries	Foundry Operations	1989
			Service Aluminum	Metal Fabrication and Plating–Aluminum	1996–2000
			Service Brass Foundry	Foundry Operations	2001–2002
104		2506	Allied Industries	Metal Fabrication and Plating–Non-Aluminum	1960–1962
			S Diamond Steel	Metal Fabrication and Plating–Non-Aluminum	2002
			Western Fabricators Inc	Metal Fabrication and Plating–Non-Aluminum	1963–2002
105		2519	Arizona Sheet Fabrications	Metal Fabrication and Plating–Non-Aluminum	2001–2002
			Blandin Camper Manufacturing	Manufacturing Operations	1972–1974
			Mohawk Steel	Metal Fabrication and Plating–Non-Aluminum	1970
106		2520	Coulter Cadillac	Auto Body Repair	1957–1959
			Coulter Motor Co	Auto Body Repair	1951–1956
			Coulter Motor Co	Auto Painting Operations	1951–1956

Table 3.1 (continued)
City Directory Results

Address ID	Street Name	Street Number	Business Name	Business Type	Years of Operation
W Jackson St (concluded)					
107		2547	Action Chemical Co	Chemical Manufacturing and Distribution	1996
			Apache Plastics Inc	Plastic Manufacturing	1976
			Apex Chemical Corp	Chemical Manufacturing and Distribution	1997–1998
			Arizona Plastic Extrusion Co	Plastic Manufacturing	1966–1973
			Finn Industries Inc	Plastic Manufacturing	1977–1992
			Republic Steel Corp	Metal Fabrication and Plating–Non-Aluminum	1961–1963
			Taylor Chemical Co	Chemical Manufacturing and Distribution	1958
108		2601	Consolidated Rebar Inc	Metal Fabrication and Plating–Non-Aluminum	1995–1996
			Fab Four Steel Inc	Metal Fabrication and Plating–Non-Aluminum	1998–2001
			McDowell Steel Co	Metal Fabrication and Plating–Non-Aluminum	1962
			McDowell Steel Co	Metal Fabrication and Plating–Non-Aluminum	1970–1982
			Phoenix Steel Manufacturing Co	Metal Fabrication and Plating–Non-Aluminum	1961–1985
			Statewide Steel	Metal Fabrication and Plating–Non-Aluminum	1986
109		2609	Olson Steel Co	Metal Fabrication and Plating–Non-Aluminum	1974–1986
			Paradise Rebar	Metal Fabrication and Plating–Non-Aluminum	1997–2002
			R and D Fabricating	Metal Fabrication and Plating–Non-Aluminum	1988–1991
			Sunshine Steel Products	Metal Fabrication and Plating–Non-Aluminum	1981–1987
W Jefferson St					
110		2101	Desert Steel Co Inc	Metal Fabrication and Plating–Non-Aluminum	1971
			Desert Steel Co Inc	Metal Fabrication and Plating–Non-Aluminum	1973
			J D Steel Co Inc	Metal Fabrication and Plating–Non-Aluminum	1971–1980

Table 3.1 (continued)
City Directory Results

Address ID	Street Name	Street Number	Business Name	Business Type	Years of Operation
W Jefferson St (concluded)					
111		2103	Desert Steel Co Inc	Metal Fabrication and Plating–Non-Aluminum	1970
W Lincoln St					
112		2347	Cals Sheet Metal	Metal Fabrication and Plating–Non-Aluminum	1987–1988
			Minder Gear and Transmission Co	Manufacturing Operations	1961–1964
113		2417	Renaissance Auto Body	Auto Body Repair	1986–1987
114		2709	Hi Tech Fabrication and Welding	Metal Fabrication and Plating–Non-Aluminum	1986–1990
			Steel Erection and Maintenance	Metal Fabrication and Plating–Non-Aluminum	1982–2002
115		2731	L and B Body Shop	Auto Body Repair	1987
116		2745	Sams Body Shop	Auto Body Repair	1990–2002
117		2905	C C Body Shop	Auto Body Repair	1998
			D and S Auto Body	Auto Body Repair	1986–1994
118		2930	M G Body Shop	Auto Body Repair	1997–2000
119		2933	C C Body Shop	Auto Body Repair	1999–2002
120		3031	Ring of Steel	Metal Fabrication and Plating–Non-Aluminum	1978
			Ring of Steel	Metal Fabrication and Plating–Non-Aluminum	1981–1982
121		3040	Hi Tech Fabrication and Welding	Metal Fabrication and Plating–Non-Aluminum	1990–2002
122		3103	Steel Specialists Inc	Metal Fabrication and Plating–Non-Aluminum	1996–2002
123		3137	Kema Steel Inc	Metal Fabrication and Plating–Non-Aluminum	1981–1990
			TRW Steel Works Inc	Metal Fabrication and Plating–Non-Aluminum	1992–2002

Table 3.1 (continued)
City Directory Results

Address ID	Street Name	Street Number	Business Name	Business Type	Years of Operation
W Lincoln St (concluded)					
124		3210	T and J Steel Co	Metal Fabrication and Plating–Non-Aluminum	1982–1988
125		3215	Interstate Wreck Rebuilder	Auto Body Repair	1987–2002
126		3224	Hi Tech Fabrication and Welding	Metal Fabrication and Plating–Non-Aluminum	2001–2002
127		3301	Fleet Painting and Body Shop Fleet Painting and Body Shop	Auto Body Repair Auto Painting Operations	1982 1982
128		3309	Verlin Co Inc	Metal Fabrication and Plating–Non-Aluminum	1983
129		3311	Cobbs Sandblasting and Truck Painting Fleet Painting and Body Shop Fleet Painting and Body Shop	Auto Painting Operations Auto Body Repair Auto Painting Operations	1982 1982–1983 1982–1983
130		3340	Anco Fabricators	Metal Fabrication and Plating–Non-Aluminum	1992–1993
131		3422	Cobbs Truck Painting and Sandblasting	Auto Painting Operations	1979
W Madison St					
132		2114	Southwest Manufacturing Co Inc	Metal Fabrication and Plating–Non-Aluminum	1963
133		2401	Navajo Steel	Metal Fabrication and Plating–Non-Aluminum	1998–2002
W Maricopa St					
134		2017	Jesses Body Shop	Auto Body Repair	1990–1997
W Sherman St					
135		2206	Screw Works Manufacturing Inc	Manufacturing Operations	1996–1997
136		2306	Steel Motions Co	Metal Fabrication and Plating–Non-Aluminum	1982

Table 3.1 (continued)
City Directory Results

Address ID	Street Name	Street Number	Business Name	Business Type	Years of Operation
W Sherman St (concluded)					
137		2335	Rankin Oil and Chemical	Chemical Manufacturing and Distribution	1985
138		2341	Precision Manufacturing Co	Manufacturing Operations	1960
139		2344	Araco Manufacturing Co	Metal Fabrication and Plating—Aluminum	1957
140		2425	Premier Frame and Body	Auto Body Repair	1990–1991
141		3212	Truck Works	Auto Repair	2000–2002
142		3216	Truck Works	Auto Repair	1998–1999
143		3308	Sun Plating Enterprises	Metal Fabrication and Plating—Non-Aluminum	1984–1986
144		3310	TRW Steel Works Inc	Metal Fabrication and Plating—Non-Aluminum	1984–1991
145		3432	Fleet Painting and Body Shop Fleet Painting and Body Shop	Auto Body Repair Auto Painting Operations	1984–2002 1984–2002
W Van Buren St					
146		1918	Valley Agro-Chem	Chemical Manufacturing and Distribution	1962
147		1948	Folsum Metals	Metal Fabrication and Plating—Non-Aluminum	1992
148		2006	D and C Printing Co	Printing Operations	1971
149		2010	Dot Cleaners McKean's Laundry and Dry Cleaners Sheridan Tailors and Cleaners	Dry Cleaning Operations Dry Cleaning Operations Dry Cleaning Operations	1957–1968 1951 1952
150		2148	Arizona Mobile Office Manufacturing Play Boy Campers Inc	Manufacturing Operations Manufacturing Operations	1972–1983 1969–1972
151		2150	Porta House Inc	Manufacturing Operations	1972–1989

Table 3.1 (continued)
City Directory Results

Address ID	Street Name	Street Number	Business Name	Business Type	Years of Operation
W Van Buren St (continued)					
152		2315	Armstrong Manufacturing Venus Manufacturing Co	Foundry Operations Manufacturing Operations	1945–1946 1970–1972
153		2323	Complete Paint and Body Center Complete Paint and Body Center Maaco Auto Painting and Bodyworks Maaco Auto Painting and Bodyworks	Auto Body Repair Auto Painting Operations Auto Body Repair Auto Painting Operations	1992–2002 1992–2002 1974–1991 1974–1991
154		2434	L and B Body Shop L and B Body Shop Van Buren Auto Body	Auto Body Repair Auto Body Repair Auto Body Repair	1981–1986 1988–1990 1974–1975
155		2550	Spray-Dust Spray-Dust	Fumigant Production and Use Insecticide Production and Formulation	1951–1952 1951–1952
156		2608	Pryor Printers	Printing Operations	1935–1938
157		2628	Petes Diesel Repair	Auto Repair	1998
158		2702	H A Bachus	Auto Body Repair	1945–1946
159		2716	R E Eade	Metal Fabrication and Plating–Non-Aluminum	1949
160		2726	Rainbow Paint and Body Rainbow Paint and Body Rainbow Paint and Body Rainbow Paint and Body	Auto Body Repair Auto Body Repair Auto Painting Operations Auto Painting Operations	1983–1993 1995–2000 1983–1993 1995–2000
161		2801	Crowley Pest Control Crowley Pest Control	Fumigant Production and Use Insecticide Production and Formulation	1965–1966 1965–1966

Table 3.1 (continued)
City Directory Results

Address ID	Street Name	Street Number	Business Name	Business Type	Years of Operation
W Van Buren St (continued)					
162		2821	M-D Electric Parts Manufacturing Co	Manufacturing Operations	1977
			M-D Electric Parts Manufacturing Co	Manufacturing Operations	1979–1980
			M-D Electric Parts Manufacturing Co	Manufacturing Operations	1982–1983
			M-D Electric Parts Manufacturing Co	Transformers	1977
			M-D Electric Parts Manufacturing Co	Transformers	1979–1980
			M-D Electric Parts Manufacturing Co	Transformers	1982–1983
163		2826	J and O Machine and Body Shop	Auto Body Repair	1992
			RRR Print Shop	Printing Operations	1986
			Rudys Body Shop	Auto Body Repair	1978–1980
			Smokies Body and Paint	Auto Body Repair	1974–1975
			Smokies Body and Paint	Auto Painting Operations	1974–1975
164		2827	Cotton Gin Supply Co	Manufacturing Operations	1963–1969
165		2848	Quality Cleaners	Dry Cleaning Operations	1961
166		2850	Bella Vista Drapery Cleaners and Interiors	Dry Cleaning Operations	1970–1989
			Bella Vista Specialized Cleaners	Dry Cleaning Operations	1962–1969
			Bowmans Cleaners	Dry Cleaning Operations	1952–1960
			Bowmans Cleaners	Dry Cleaning Operations	1962
			Quality Cleaners	Dry Cleaning Operations	1961–1968
167		2909	Holiday Cleaners and Laundry	Dry Cleaning Operations	1978–1993
168		3000	Master Cleaners	Dry Cleaning Operations	1951
			Vogue Cleaners	Dry Cleaning Operations	1947
169		3001	Alex Body Shop	Auto Body Repair	2002
			Arizona Fleet Service	Potential Fleet Maintenance	1979
			Pioneer Heating and Cooling	Metal Fabrication and Plating–Non-Aluminum	1958–1961

Table 3.1 (continued)
City Directory Results

Address ID	Street Name	Street Number	Business Name	Business Type	Years of Operation
W Van Buren St (concluded)					
170		3033	Taylors Printing	Printing Operations	1974–1975
171		3102	Westside Norge Village	Dry Cleaning Operations	1964–1969
172		3127	Laundry Dry Cleaning	Dry Cleaning Operations	1971
173		3131	Aero Cleaners	Dry Cleaning Operations	1950–1967
174		3134	The Best Body Shop	Auto Body Repair	1987–1988
175		3190	KMA Body Shop	Auto Body Repair	1979–1982
			Mack and Nye	Auto Painting Operations	1949
			Raymond Martin	Auto Painting Operations	1950
			The Best Body Shop	Auto Body Repair	1984–1986
			The Old Body Shop	Auto Body Repair	1983
176		3237	Leons Body Shop	Auto Body Repair	1990
177		3302, Room 332	Sav-N-Takit Quality Dry Cleaning	Dry Cleaning Operations	1963–1967
178		3307	El Valle Body Shop	Auto Body Repair	1998
179		3313	Piro Dry Cleaners	Dry Cleaning Operations	1951
			Shorts Cleaners	Dry Cleaning Operations	1950
180		3357	Shorts Cleaners	Dry Cleaning Operations	1952–1955
181		3371	H and I Laundry and Dry Cleaners	Dry Cleaning Operations	1959–1962
182		3401	A and R Auto Body	Auto Body Repair	1997
183		3442	Sav-N-Takit Dry Cleaners	Dry Cleaning Operations	1971
			Sav-N-Takit Dry Cleaners	Dry Cleaning Operations	1973

Table 3.1 (concluded)
City Directory Results

Address ID	Street Name	Street Number	Business Name	Business Type	Years of Operation
	W Washington St				
184		2214	Sun Motor Exchange	Auto Repair	1958
185		2445	Golden Star Cleaners	Dry Cleaning Operations	1948
186		3205	Ace Refinishing Service Ace Refinishing Service	Auto Painting Operations Metal Fabrication and Plating–Non-Aluminum	1984–1992 1984–1992

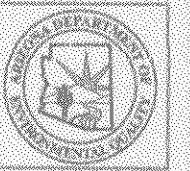
3.2 RCRA NOTIFICATION FILE RESULTS

HydroGeoLogic identified 41 facilities with either activated or deactivated RCRA ID numbers within the survey boundaries. A records review of the 41 RCRA notification files identified that 18 facilities may have used or generated the COCs at the site and an additional 5 facilities did not specify EPA waste codes and their COC usage is unknown.¹ The locations of these 23 facilities are plotted on Figure 3.2. Table 3.2 summarizes RCRA information specific to these 23 facilities. It is important to note that facilities included in Table 3.2 may generate other chemicals, but only those with EPA waste codes indicating potential COC usage have been included.

¹ The remaining 18 facilities were not further evaluated because the RCRA notification files listed EPA waste codes that are not COCs at the site.

Figure 3.1
City Directory Review Results
Industrial Survey within the
West Van Buren
WQARF Registry Site

Arizona Department of
Environmental Quality



Legend

- Facility with Address ID
- Industrial Survey Boundary
- Railroad
- Street



0 200 400 800 1,200 1,600

Feet

WVHGLC015276

Filename: X:/Phoenix/Graphics/TA2/DirectoryResults.mxd
Project: AR1002-021
Created: 5/08/02 R.Petrillo
Revised: 8/15/02 RP
Map Source: City of Phoenix (Basemap 02/02)
HydroGeoLogic, Inc. Industrial Survey (05/02)

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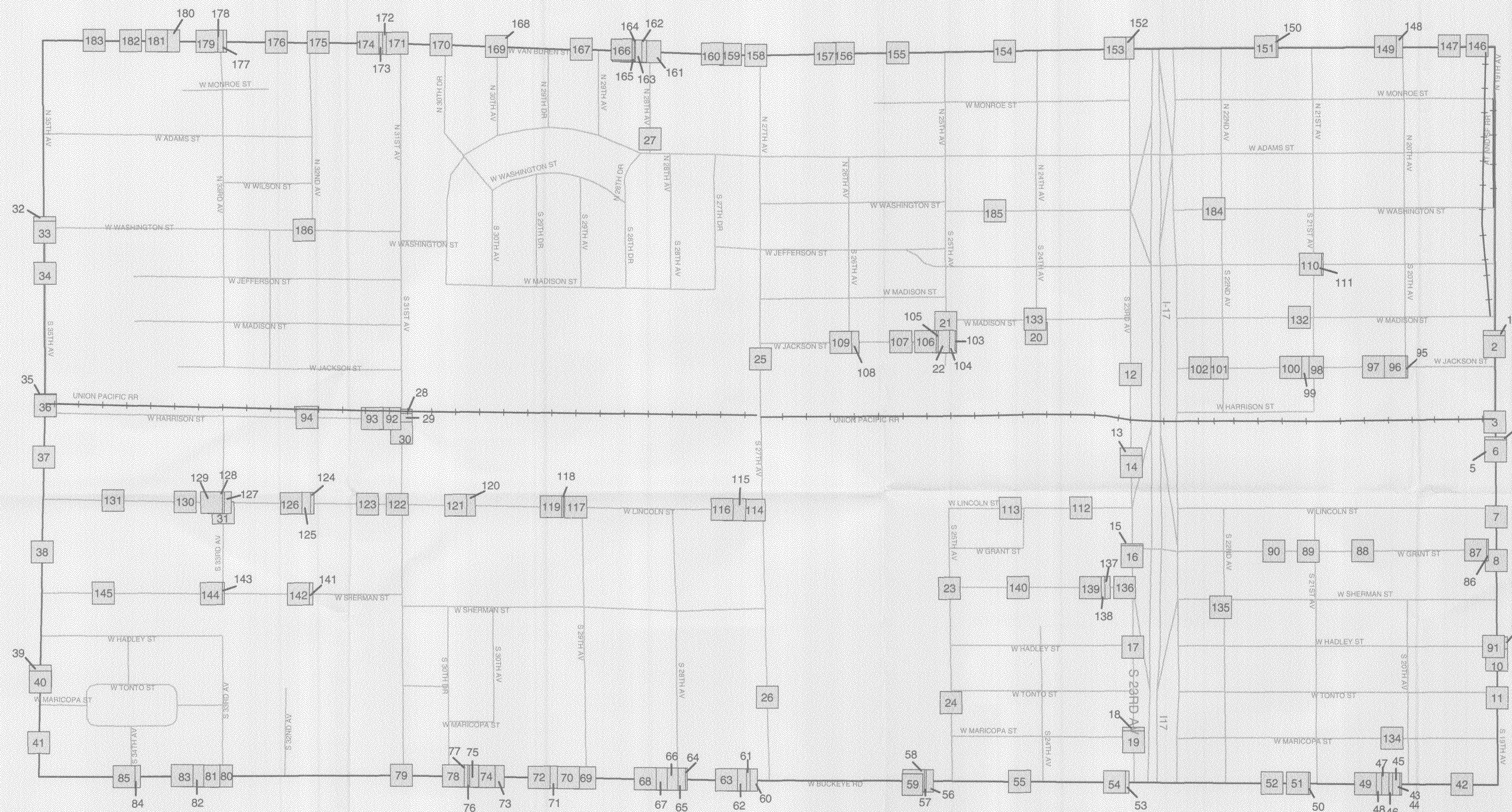


Table 3.2
Permitted RCRA Facilities

Name	Address	Id No.	Date Issued	Date Deactivated	Activity Type	Quantity	Waste Codes*
Arizona Industries for the Blind	3013 W Lincoln St	AZD982522674	6/28/89	N/A	Generator	Less than 1000 kg/month	F002; F003; F005
Auto Safety House	2630 W Buckeye Rd	AZD981686207	10/14/86	N/A	Generator	Less than 1000 kg/month	F002
AZ Carburetor Manufacturing	2046 W Buckeye Rd	AZR000041160	7/5/01	N/A	Generator	100 to 1000kg/month	D039; D040
Burmeno Enterprises dba Maaco	2323 W Van Buren St	AZD105776652	4/10/86	N/A	Generator	Less than 1000 kg/month	F001; F003; F005
C Investments dba RK Sanders Co.	3028 W Lincoln St	AZR000005348	10/15/96	4/28/97	Generator and Transporter ^a	100 to 1000 kg/month	Not Specified
Capitol Collision Repair	902 S 19 th Ave	AZD982483513	3/2/90	N/A	Generator	Less than 1000 kg/month	F005
Cobb International, Inc.	300 S 25 th Ave	AZD983470089	5/2/91	8/4/95	Generator	100 to 1000 kg/month	D039
Complete Paint and Body Center	2323 W Van Buren St	AZD982014714	7/8/87	N/A	Generator	Less than 1000 kg/month	F003; F005
Cool Air	2901 W Buckeye Rd	AZD982438012	1/18/91	N/A	Generator	100 to 1000 kg/month	D039
Cool Air and Electric	2901 W Buckeye Rd	AZD982435323	11/2/90	4/26/00	Generator	100 to 1000 kg/month	D040
Fleet Painting and Body Shop, Inc.	3432 W. Sherman St	AZD982485914	3/29/90	N/A	Generator	Less than 1000 kg/month	F001; F003; F005
Fortune Plastics, Inc. ^b	3401 W Buckeye Rd	AZD081699928	4/17/86	3/25/98	Generator	Less than 1000 kg/month	F001; F002; F003

^a According to a RCRA notification form, dated October 15, 1996, C Investments dba RK Sanders Company was a transporter of its own waste only.

^b The facility name was Poly-Flex, Inc. on a notification, dated April 17, 1986. A notification, dated June 18, 1993, indicates that the facility name is Fortune Plastics, Inc.

Table 3.2 (continued)
Permitted RCRA Facilities

Name	Address	Id No.	Date Issued	Date Deactivated	Activity Type	Quantity	Waste Codes*
Holiday Cleaners	2909 W Van Buren St	AZD981978398	4/15/87	N/A	Generator	Not Specified	F002
Holsum Bakery, Inc.	408 S 23rd Ave	AZD983466715	5/11/93	N/A	Generator	100 to 1000 kg/month	D039
Interstate Wreck Rebuilders, Inc.	3215 W Lincoln St	AZD982503914	12/27/89	N/A	Generator	Not Specified	F003; F005
Ludons	2819 W Buckeye Rd	AZT050010651	11/18/80	N/A	Generator Treat/Store/Dispose Transporter	Not Specified	K078
Phoenix Metal Trading, Inc.	610 S 19 th Ave	AZR000030338	9/10/97	N/A	Generator	Greater than 1000 kg/month	F002
Schuff Steel Co.	420 S 19 th Ave	AZD982489312	4/11 /90	N/A	Generator	Less than 1000 kg/month	F003; F005
Sun Plating Enterprise	3308 W Sherman St	AZD980885834	5/30/85	N/A	Not Specified	Not Specified	Not Specified
Trailer Park	2936 W Buckeye Rd	AZD981575350	Not Specified	N/A	Not Specified	Not Specified	Not Specified
Truck Works, Inc.	3216 W Sherman St	AZD981675929	9/29/86	N/A	Generator	100 to 1000 kg/month	F005; F003; D028; D039; D040
Valdez Transfer	421 S 33 rd Ave	AZD983483447	5/25/93	3/24/99	Generator	Less than 100 kg/month	D039
Woodchuck Transport	2701 W Buckeye Rd	AZD982507535	9/21/89	2/25/98	Transporter	N/A	Not Specified

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Table 3.2 (concluded)
Permitted RCRA Facilities

*EPA HAZARDOUS WASTE CODES
D028 – 1,2-dichloroethane
D039 – Tetrachloroethene
D040 – Trichloroethene
F001 – The following spent halogenated solvents used in degreasing: tetrachloroethene, trichloroethene, methylene chloride, 1,1,1-trichloroethane, carbon tetrachloride, and chlorinated fluorocarbons; all spent solvent mixtures/blends used in degreasing containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those solvents listed in F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.
F002 – The following spent halogenated solvents: tetrachloroethene, methylene chloride, trichloroethene, 1,1,1-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, trichlorofluoromethane, and 1,1,2-trichloroethane, all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the halogenated solvents listed in F001, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures
F003 – The following spent non-halogenated solvents: xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, methyl isobutyl ketone, n-butyl alcohol, cyclohexanone, and methanol; all spent solvent mixtures/blends containing, before use, only the above spent non-halogenated solvents; and all spent solvent mixtures/blends containing, before use, one or more of the above non-halogenated solvents, and, a total of ten percent or more (by volume) of one or more of those solvents listed in F001, F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.
F005 – The following spent non-halogenated solvents: toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, benzene, 2-ethoxyethanol, and 2-nitropropane; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the non-halogenated solvents listed in F001, F002, or F004; and still bottoms from the recovery of these spent solvents and spent solvent mixtures
K078 – This EPA Hazardous Waste Code could not be identified as it did not correlate with a waste description

3.3 RCRA CASE FILE RESULTS

HydroGeoLogic identified and reviewed one open RCRA case file and ten closed RCRA case files. The bulleted list below includes facilities whose case files revealed that the RCRA case did not involve COCs at the site:

- Arizona Trucking and Storage Service²
- Complete Paint and Body Center³
- Terrell Battery Corporation⁴
- Trailer Park²

A summary of the remaining seven facilities with case files that indicated COC usage or potential COC usage is provided below. Only these facilities indicating COC usage or potential COC usage are plotted on Figure 3.2. Confidential RCRA case files exist for Grille Corporation, La Duc's Auto Supply, Maaco Auto Painting, National Metals Company, Schuff Steel Company, Terrell Battery Corporation, and Valley American Corporation; however, these files were not reviewed by HydroGeoLogic as directed by the ADEQ.⁵

3.3.1 Fleet Painting and Body Shop

A closed RCRA case file for Fleet Painting and Body Shop (Fleet Painting) indicates that this facility, located at 3432 W. Sherman Street, conducted body work and painted trucks and vans with 95% of the business associated with UPS-type vehicles. On January 30, 1990, a Hazardous Waste Inspection was performed at this facility in response to a complaint that the body shop was dumping chemicals on the ground around the shop and burying material on-site. Kenneth Henderson, president of Fleet Painting, stated that the operation generated about 1.5 drums of waste paint/solvents every two years. According to Mr. Henderson, Fleet Painting formerly evaporated paint on an inverted car hood or in open five-gallon cans. While the company did not dump the solvent on the ground, it did occasionally dump water-based paint wash onto the ground. Two full 55-gallon drums and one full 16-gallon drum of waste paint/solvent were located on-site at the time of the inspection. The drums were unlabeled and unmarked. Fleet Painting was cited with six generator violations as a result of the inspection. On July 10, 1990, the ADEQ issued a letter to Fleet Painting stating that the violations cited during the January 30, 1990 inspection had been adequately addressed.

² No RCRA notification file exists for this company.

³ Although the RCRA notification file indicated potential COC usage, the RCRA case file did not involve COCs.

⁴ Neither the RCRA notification file nor the RCRA case file indicates COC usage.

⁵ The RCRA case file for Maaco Auto Painting was not one of the eleven case files available for review. Consequently, the usage or potential usage of COCs at this facility is unknown.

● Dry Well Facility

◇ Septic Tank Facility

□ LUST Facility

□ UST Facility

★ PA/SI and CERCLIS Facility

▲ RCRA Notification Facility

△ RCRA Case File Facility

○ Air Quality Facility

— Railroad

— Street

Industrial Survey Boundary



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A second Hazardous Waste Inspection was conducted at Fleet Painting on August 6, 1990. This inspection was conducted in order to investigate a complaint that the facility was using lacquer-based primer and Imron paint, and disposing of the waste in the dumpster. No substantial violations of the

Hazardous Waste Management Act were observed during this inspection and the case was closed on August 20, 1990. The Fleet Painting and Body Shop case file did not specifically reference the COCs for this industrial survey; however, the file does state that unspecified solvents are used on-site.

3.3.2 Fortune Plastics, Inc.

According to an ADEQ closed RCRA case file for Fortune Plastics, Inc. (Fortune Plastics), this facility was located at 3401 W. Buckeye Road. The facility was known as Polyflex from approximately 1978 to 1991. In 1991, Polyflex merged with Fortune Plastics and the former facility took on the later facility's name. A hazardous waste inspection report for Fortune Plastics, dated February 26, 1993, indicates that Fortune Plastics printed and manufactured plastic bags using a "blown film process" and offline printer. There were additionally four central impression printing presses. Of the inks used in conjunction with the printing presses, 40% were solvent-based while 60% were water-based. Wastes generated by the "plate-making" operation used for the printers included 75% PCE and 25% n-butyl alcohol in a solvent washout unit. Isopropanol and isopropyl acetate were used as cleaning solvents for the printers, and wash water with a small amount of solvent was generated from printer parts cleaning. ADEQ investigators observed several violations during the facility inspection on February 26, 1993. As a result, Fortune Plastics was sent a copy of the inspection report accompanied with "Instructions to Responsible Parties" outlining actions to be taken by Fortune Plastics in order to resolve the violations observed. On April 20, 1993, the ADEQ received a written status report from Fortune Plastics. However, the report was incomplete and the ADEQ issued a follow-up letter which requested complete information by August 3, 1993.

No further information regarding the case closure or Fortune Plastics response to the ADEQ request for further information was located in the case file. A 1992 EPA Waste Generation and Management Report included in the RCRA case file indicates that Fortune Plastics generated flammable spent mineral spirits from parts cleaning in the form of D001 (ignitable waste) and D018 (benzene). COCs associated with the West Van Buren WQARF Registry site and generated by Fortune Plastics include waste consisting of PCE resulting from the "plate-making" operation.

3.3.3 Grille Corporation

The ADEQ has a closed RCRA case file for the Grille Corporation located at 2452 W. Sherman Street. No RCRA notification file exists for this company. This company produced and marketed cultured marble. A hazardous waste inspection was conducted at the facility on October 30, 1990 after the Grille Corporation ceased operations. The site was vacant at the time of the inspection. The Grille Corporation was operated by John Guillaume at this address from 1963 until September 28, 1989 when Mr. Guillaume sold the operation to Bob Miller. Mr. Miller continued to operate at this address using the Grille Corporation name, but a few years later changed both the facility name and location of operations.

The Grille Corporation's former owner stated that no hazardous waste was being generated at this facility while it was in operation; however, 114 drums of unmarked waste were identified on-site on top of the concrete. One metal five-gallon container found among the 114 unmarked drums was identified as 1,1,1-TCA. In addition, the former owner mentioned that acetone (F003) was used in the cleaning process. Samples were taken from 3 of the 114 drums and identified the presence of acetone, styrene, methyl ethyl ketone (MEK), 2-propanol, and toluene. This data verified that the Grille Corporation stored hazardous waste since at least September 7, 1990 without first obtaining the required permits. On December 24, 1990, the ADEQ sent the Grille Corporation a notice including "Instructions to Responsible Parties," which included 15 guidelines to follow in order to ensure ADEQ compliance.

As of January 23, 1991, the ADEQ had not received a response to item number 13. This item required the Grille Corporation to provide written responses and documentation of compliance with the ADEQ regulations obligating the company to cease disposal of hazardous wastes through evaporation and cease storage of waste on-site without a permit or being accorded interim status. On October 28, 1992, the ADEQ representatives visited the Grille Corporation facility and took photographs to verify that the violations discovered on October 30, 1990 had been resolved. A memorandum, dated November 3, 1992, indicated that the outstanding violations had been resolved. The only COC identified on-site at the Grille Corporation was 1,1,1-TCA.

3.3.4 La Duc's Auto Supply

Although La Duc's Auto Supply RCRA notification file did not indicate COC usage based on the EPA waste code listed in the notification, its RCRA case file indicates potential COC usage. Thus, a summary of the La Duc's Auto Supply case file is detailed below.

The ADEQ has a closed RCRA case file for La Duc's Auto Supply, located at 3045 W Buckeye Road. The ADEQ conducted a hazardous waste inspection at this facility on January 6, 1989 in response to a complaint filed by the Maricopa County Landfill Department. The ADEQ requested a remedial action plan from La Duc's Auto Supply as a result of the January 6th inspection as it was determined to have released lead-contaminated waste into the environment. On October 2, 1990, the ADEQ received a final report from La Duc's Auto Supply detailing the remedial activity. The report was reviewed and, on April 3, 1992, a letter from the ADEQ was issued to La Duc's Auto Supply stating that further action had been deemed unnecessary.

A letter included in the RCRA case file for this facility, dated November 2, 1989, from the Attorney General's Office, indicates that a visit to La Duc's Auto Supply revealed that the operation used engine cleaner and a solvent consisting of a corrosive solid mixture of TX40 manufactured by B & B Chemical.⁶ The drum containing this material had a 35-gallon capacity and was labeled DANGER. The solid mixture was combined with approximately 200 to 500 gallons of water in a vat in the back yard of the facility. This vat had been picked up and hauled to a Maricopa County landfill. Although the case file does not specifically mention COC usage, this facility is discussed here because of its usage of engine cleaner and a solvent.

⁶ The constituents of the solvent mixture TX40 are unknown.

3.3.5 National Metals Company

Although the National Metals Company (National Metals) RCRA notification file did not indicate COC usage based on the EPA waste code listed in the notification, its RCRA case file indicates potential COC usage. Thus, a summary of the National Metals case file is detailed below.

The ADEQ maintains a closed RCRA case file for National Metals located at 320 S. 19th Avenue. According to a March 28, 1989 hazardous waste inspection report, National Metals was involved in buying scrap metal, which was subsequently cut and resold. Wastes generated from this process included aluminum dross, parts cleaning solvent, steam cleaning sludge, sludge from the bottom of a concrete containment pond, and shredder fluff.

Subsequent hazardous waste inspections were performed at National Metals on April 10 and 18, 1991. This inspection was conducted in response to a complaint alleging that auto shredder fluff was blowing off-site during high winds. A perimeter inspection did not locate any fluff blown off-site despite high winds.

The second portion of the inspection conducted on April 18, 1991 was in response to a complaint alleging that National Metals was shipping waste off-site at night. The ADEQ inspectors did not notice a change in the shredder fluff pile from the previous visit and were informed that waste was not shipped off-site because no landfill would accept shredder fluff. In addition, the president of National Metals indicated that waste was not shipped off-site because the company was undergoing a new waste determination due to the implementation of the Toxic Constituent Leaching Procedure (TCLP) rules.

Subsequent inspections were conducted at the National Metals facility on August 10 and 11, 1993, September 20, 1993, and January 4, 1994. As a result of the August 10 and 11, 1993 and September 20, 1993 inspections, the ADEQ issued a Cease and Desist Order on January 3, 1994, which required National Metals to “clean the streets adjoining its facility of all lead contaminated solid waste originating from the facility.” On February 9, 1994, the ADEQ issued a letter to National Metals informing the company of conditions and violations observed during the August 10 and 11, 1993, September 20, 1993, and January 4, 1994 inspections. No information was located to indicate when the National Metals case file might have been closed. The National Metals Company case file does not specifically mention the use of the COCs identified at the West Van Buren WQARF Registry site; however, the file states that the company generates a waste stream that included parts cleaning solvent.

3.3.6 Schuff Steel Company

The ADEQ maintains an open RCRA case file for the Schuff Steel Company (Schuff Steel). Schuff Steel began operations at 420 S. 19th Avenue in 1985.⁷ For the 60 years prior to that, Allison Steel Company operated at this address. According to a July 1, 1988 hazardous waste inspection report, Schuff Steel was involved in the fabrication of structural steel, which included cutting, welding, painting, and grit-blasting. Schuff Steel generated copper slag, steel grit, used oil, sludge, and solvents which included the following waste types: F003, MEK, F005. The inspection report additionally states that parts-cleaning was carried out with “Chevron 140.” According to the report, solvents were lost to evaporation, sludge and paint residues were disposed of in the dumpster, and baghouse dust generated from the grit-blasting operation was stored in drums and then dispersed onto the ground. The July 1, 1988 inspection report states that numerous sumps, floor drains, and sewer gates were located on-site.

A second hazardous waste inspection report, dated November 5, 1999, noted that Schuff Steel filed as a large quantity generator in 1999 and its operations were described as the manufacture and installation of large steel structures. EPA waste codes included on the 1999 facility inspection form included D001 (ignitable waste) and F003 (spent non-halogenated solvents). These waste codes included “waste paint related material.” Schuff Steel generated 55 gallons of D001 waste per day and 10 gallons of F003 waste per day.

On December 15, 1999, a NOV was issued to Schuff Steel in regard to the November 5, 1999 inspection. The company was cited for ten violations including “failure to control, clean up, contain, and dispose of properly any and all releases of hazardous waste.” On July 19, 2000, Schuff Steel submitted appropriate documentation to the ADEQ for the resolution of compliance issues arising as a result of the November 5, 1999 Schuff Steel facility inspection.

On June 25, 2001, the ADEQ inspected the Schuff Steel facility. According to the 2001 hazardous waste inspection report, Schuff Steel filed as a large quantity generator until 2000 when they began reporting as a small quantity generator of hazardous waste. Hazardous waste generated on-site was limited to the following EPA waste codes, D001 and F003. The June 25, 2001 inspection report indicates that all hazardous wastes generated at the Schuff Steel facility were being drummed and shipped off-site. Connie Eskelson, safety coordinator for Schuff Steel, informed the ADEQ representatives that there were five main waste streams at this site. These waste streams included: used oil and fuel from the maintenance of machinery and vehicles, xylene from the painting process, steel shot and copper slag from the cleaning of steel beams and tanks, and oil absorbent. Following the 2001 inspection, the ADEQ issued Schuff Steel a NOV, dated August 28, 2001, listing four violations. These violations included failure of a used oil generator to perform required clean up steps upon detection of a release, failure to comply with 180-day storage accumulation, and failure to properly label hazardous waste containers. On October 10, 2001, an ADEQ interoffice memorandum states that the case had been closed because all violations had been “satisfactorily addressed by the facility.”

⁷ The November 5, 1999 waste inspection report states that the address of this facility is 1420 S. 19th Avenue; however, all other information included in the Schuff Steel file indicates that 420 S. 19th Avenue was the address of this facility. HydroGeoLogic made the assumption that the 1420 S. 19th Avenue address is incorrect.

It is important to note that the RCRA case file regarding the Schuff Steel included laboratory analytical results, dated January 7, 2000, that showed PCE levels at 53,000 micrograms per kilogram (ug/kg) with a reporting limit of 2,500 µg/kg and TCE levels at 5,600 µg/kg with a reporting limit of 5,000 µg/kg. The only information located in the RCRA case file is raw analytical data.

3.3.7 Valley American Corporation

Although the Valley American Corporation RCRA notification file did not indicate COC usage based on the EPA waste code listed in the notification, its RCRA case file indicates potential COC usage. Thus, a summary of the Valley American Corporation case file is detailed below.

The ADEQ maintains a closed case file for Valley American Corporation, located at 1918 W. Van Buren Street. According to a November 9, 1988 facility inspection report, Valley American Corporation took over operations at this address in May of 1987. The prior site operator was Valley Seed Company, which was involved in seed production, seed sales, and retail garden sales. The Valley American Corporation operations differed from that of Valley Seed Company in that Valley American Corporation was involved in the production of wild bird seed, with government seed storage on-site. Chemicals used on-site included aluminum phosphide and malathion. Inspectors observed three major drum/container storage areas. All containers were stored directly on the soil. Some containers were leaking, and only a few of them were appropriately labeled. No material safety data sheets (MSDS) were available during the inspection to identify the unlabeled containers. Left over pesticides were located on-site from the Valley Seed Company operations. Valley American Corporation was instructed to place all hazardous wastes into containers in good condition and label them appropriately. In addition, empty Phos-Toxin containers were to be stored as hazardous waste until a proper disposal method was found. A follow-up inspection was conducted on April 14, 1989 to determine the status of the clean-up. Two soil samples were taken during the follow up inspection and low levels of 2,4-D, Chlordane, and Dicofol were found. No information was contained in the case file regarding case closure. Although there were no direct references to the COCs identified at the West Van Buren site, DCA, DCE, TCA, or TCE are sometimes used as carrier solvents for pesticides and could have been used during the facility's operations.

3.4 CERCLA RESULTS

Using the EPA's CERCLIS database and archived sites database, HydroGeoLogic identified two facilities located within the survey boundaries. The facilities are:

- Agricultural Seed Lab, 212 S. 25th Avenue, Phoenix, Arizona 85009
- National Metals Company, 320 S. 19th Avenue, Phoenix, Arizona 85009

Both of the facilities were listed on the archived sites database and are not of NPL status. Only National Metals Company was plotted on Figure 3.2 since further determinations of COC usage were deemed unlikely for Agricultural Seed Lab based on PA/SI file analysis (see Section 3.4).

3.5 PA/SI RESULTS

3.5.1 National Metals Company

On March 12, 1990, a preliminary assessment (PA) was conducted at the National Metals Company (National Metals) located at 320 S. 19th Avenue in Phoenix, Arizona. National Metals, a metal recycler, has been in operation since 1938. Materials are mechanically shredded and processed for sale. No chemicals are used in the recycling process. In addition to the metal recycling process, there is an aluminum re-melt furnace and a maintenance shop on-site.

According to the PA, chemicals used on-site are associated with the maintenance shop at a volume of approximately 150 gallons per year of Crater 2x and Crater 5x. The MSDS for these chemicals lists TCA as the second ingredient at 20% to 34.99%. Two urethane seal coats are used in National Metals processes, and the MSDS sheets indicate that TCA is an ingredient at 8.5% to 17%. Brakleen (Aerosol 5089) is used, and the MSDS sheet lists TCA as the first ingredient at 89%.

The PA states that there were three USTs located on-site, two fuel tanks and one waste oil tank, all of which were removed on January 30, 1989. A 1989 hazardous materials questionnaire indicates that a waste parts cleaning solvent was put into the waste oil tank. The ADEQ UST and LUST databases reviewed by HydroGeoLogic identified two fuel tanks at the National Metals site. However, there is no information in the UST database to indicate the presence of a waste oil tank, and there is no LUST file for the National Metals facility at 320 S. 19th Avenue.

The PA for National Metals Company states that there were no documented releases on-site and the preliminary scoring indicated that no further action should be taken under CERCLA.

3.5.2 Agricultural Seed Laboratories, Inc.

The August 23, 1991 PA report for Agricultural Seed Laboratories, Inc. (ASL), located at 215 S. 25th Avenue in Phoenix, Arizona, states that ASL was a laboratory, which employed three individuals and was used for testing agricultural seeds for purity and germination. ASL began leasing the property at 215 S. 25th Avenue from Feeders Grain Company on June 1, 1977.

According to Feeders Grain Company and ASL, the same types of operations have been conducted on-site since the 1950s. The president of ASL recalled that, prior to 1950, the site was used as a real estate office and residential property. According to the PA questionnaire sent to ASL, sulfuric acid was the only chemical used and stored on-site. Sulfuric acid was used in small amounts for seed testing. Sulfuric acid was diluted with water and then poured into the sewer. The ASL PA questionnaire indicates that approximately 13 gallons of acid were stored on-site at one time and approximately 7 gallons of sulfuric acid were used at the facility in one year. No other chemicals were used or generated at the ASL site. According to the PA report, there was no evidence to suggest that hazardous substances or wastes were handled, stored, or disposed of at the site; therefore, this facility was not plotted on Figure 3.2.

The PA report concluded that there was not a documented release to the groundwater, surface water, or air from this site and that the potential for a release was low due to the low hazardous waste quantity used by the ASL facility.

3.6 UNDERGROUND STORAGE TANK AND LEAKING UNDERGROUND STORAGE TANK RESULTS

As mentioned in Section 2.0 above, HydroGeoLogic reviewed 16 UST files for facilities within the Industrial Survey No. 3 site boundary (see Table 3.3). Of the 16 facilities with UST files, 8 of these facilities also had LUST files, which HydroGeoLogic reviewed. No facilities within the site boundary had tanks containing solvent; therefore, Table 3.3 only lists UST and LUST files indicating bulk or used oil or unknown products. HydroGeoLogic included a column in the table that indicates if the COCs for the West Van Buren WQARF Registry site were tested for and whether analysis resulted in a positive reading for the COCs. The section below provides detailed information for each of the 16 facilities having USTs, including a more thorough analysis of sampling and results. The first eight files presented below are the results of the UST search, while the next eight facilities have both UST and LUST findings. See Figure 3.2 for the location of all UST and LUST facilities.⁸

3.6.1 Arizona Bag Company, Inc.

Arizona Bag Company, Inc. (Arizona Bag Company) was located at 2520 W. Buckeye Road and had four USTs on-site.⁹ On June 12, 1986, a UST notification form indicates that all four tanks were empty and that the last substance stored in three of the tanks was gasoline, while the last tank had an 8,000-gallon capacity and contained bulk oil. The notification form indicates that all four tanks were removed because the property was purchased by a business that did not require USTs; however, no date of removal is noted. The Arizona Bag Company submitted a notification to the ADEQ UST Compliance Unit on May 9, 1988 stating that all USTs at this facility had been removed. There is no documentation indicating that a leak occurred at this facility.

3.6.2 A & S Enterprises, Inc.

According to a UST notification for this facility, dated March 29, 1988, A & S Enterprises, Inc. (A & S Enterprises) was a private business located at 2344 W. Sherman Street. There were three USTs located at this site: one gasoline, one diesel, and one which contained 5,000 gallons of an unknown product. A second UST notification form, dated October 11, 1988, indicates that the three tanks had been closed in ground, were currently empty, and all contained unknown products. The UST file did not include information regarding leak detection or tank closure procedures. There was no LUST file for this site and no information was located indicating testing for chlorinated solvents had been performed.

⁸ It is important to note that, although information within the ADEQ file is inclusive of other tanks maintained on the property, detailed information has only been provided for the substances of interest for this site.

⁹ The ADEQ dry well database and the 2002 UST database indicate that the address for Arizona Bag Company is 2530 W. Buckeye Road. The UST notification included in the file for this facility, dated June 12, 1986, indicates that the address is 2520 W. Buckeye Road. For mapping purposes HydroGeoLogic assumed that the UST notification form was incorrect.

Table 3.3
UST/LUST Facilities

Operator	Address	Facility ID	Leak ID	No. of Tanks	Chemical	Tested for COCs	Positive for COCs	LUST Case Closure	Tank Closure
3030 Project	3030 W Buckeye Rd	0-009584	5185	1	1 Unknown Product	Y	N		2/15/00
3D One LLC/Gas Warz No. 305 ^a	3445 W Van Buren St	0-002682	1173	3	1 Used Oil	N	N/A	1/11/95	8/2/90 ^b
A & S Enterprises, Inc. ^c	2344 W Sherman St	0-006016	N/A	3	1 Unknown Product	N	N/A	N/A	
Arizona Bag Co, Inc.	2530 W Buckeye Rd	0-000171	N/A	4	1 Bulk Oil	N	N/A	N/A	
Arizona Transport Refrigeration, Inc. ^d	830 S 23 rd Ave	0-000441	8310	3	1 Used Oil	Y	N		5/9/97
Auto Safety House	2630 W Buckeye Rd	0-000479	1820	3	1 Used Oil	Y	N	8/6/96	5/2/91
Commercial Property	2222 W Grant St	0-009365	N/A	3	3 Unknown Products	N	N/A	N/A	3/90
Feeders Grain Co. ^e	310 S 24 th Ave	0-002107	N/A	8	1 Used Oil	N	N/A	N/A	
Fleming Foods	624 S 25 th Ave	0-000486	1394	13	1 Used Oil	Y	N	2/25/99	1/29/98 ^f
Holsum Bakery, Inc.	408 S 23 rd Ave	0-002512	2691	4	1 Used Oil	N	N/A	8/2/96	3/11/93

^a The most recent UST notification, dated July 15, 1999, indicates 3 D One LLC/Gas Warz 305 as the operator and owner of the tanks. Four previous UST notifications, dated from 1990 to 1991, indicate that Unocal Corporation/Unocal Service Station No. 4250 was the operator and owner of the tanks.

^b This is the date of closure for the used oil tank and two gasoline tanks. Three more gasoline tanks were installed June 1999, and according to the most recent UST notification, dated July 21, 1999, these tanks were still in use.

^c Detailed information regarding a tank closure, including a tank closure date, was not located in the UST facility file despite the fact that a UST notification, dated October 11, 1998, indicates that all tanks located at this site were closed.

^d UST notifications, dated June 23, 2000 and January 10, 1986, identify Arizona Transport Refrigeration, Inc. as the operator and owner of the tanks. However, a UST notification, dated April 11, 1997, indicates that C.T. Power, Inc. was both the owner and operator of the tanks.

^e Seven of the eight tanks at this facility have been closed. The single tank containing used oil remains in use according to the most recent UST notification on file, dated October 9, 1990.

^f This is the date of closure for the used oil tank only. Eight diesel tanks were closed on January 21, 1999; two diesel tanks were closed on June 20, 1990; and two gasoline tanks were closed on February 8, 1990.

WVHGLC015290

Table 3.3 (concluded)
UST/LUST Facilities

Operator	Address	Facility ID	Leak ID	No. of Tanks	Chemical	Tested for COCs	Positive for COCs	LUST Case Closure	Tank Closure
KPR Enterprises dba Econo Lube N' Tune ^g	202 N 19 th Ave	0-006580	N/A	1	1 Used Oil	N	N/A	N/A	
Silverado Radiator and Muffler Shop	2801 W Van Buren St	0-008819	N/A	5 or 6	5 or 6 Unknown Products	N	N/A	N/A	
Texaco Service Station ^h	3438 W Buckeye Rd	0-004288	1067	5	1 Used Oil	N	N/A	2/3/93	11/30/89
Unocal Service Station No. 6020	2225 W Grant St	0-005311	4275	3	1 Used Oil	N	N/A		3/3/92
Vacant Building	3201 W Harrison	0-008054	N/A	3	1 Used Oil	Y	N	N/A	11/17/92
W. Friedman and S. Lazerson	2101 W Van Buren St	0-002605	N/A	4	1 Used Oil	Y	N	N/A	

^g Prior UST notifications dating back to 1989 indicate different owners and operators, but all appear to relate to Econo Lube N Tune.

^h The most recent UST notification, dated March 6, 1990, indicates that Ferdi Sant was the owner/operator of the tanks, while also listing a former Texaco Service Station as the name of the facility where the tanks were located (same address). Comments on the same UST notification indicates that this facility was leased to the Texaco Service Station from October 1962 to October 1982.

3.6.3 Commercial Property

This commercial site was located at 2222 W. Grant Street. According to the UST notification for this facility, dated October 21, 1998, there were three orphan USTs located at this site of 6,000-, 8,000-, and 10,000-gallon capacity containing unknown products. All three tanks were estimated as having been installed in 1970 and were removed in March 1990. Comments on the UST notification form state that soil borings were drilled, sampled, and analyzed for unspecified substances in the area of the removed USTs. There was no indication from the sampling and analysis that any release of fuel had occurred. No information regarding the COCs identified within the West Van Buren WQARF Registry site was contained in the UST file for this facility.

3.6.4 Feeders Grain Company

Feeders Grain Company is a private, industrial facility located at 310 S 24th Avenue. There have been up to eight USTs located on this property. Five of the tanks were of varying capacities and contained gasoline. Two additional tanks contained diesel fuel and another tank contained 500 gallons of used motor oil. All of the tanks were removed except for the used motor oil tank; this tank was still in use at the time of the last UST notification for this facility, dated October 5, 1990. No leaks were documented as having occurred at this facility. It is important to note that the used motor oil tank located at this site was referred to as a used oil trap on each of the UST notification forms.

3.6.5 KPR Enterprises dba Econo Lube N' Tune

The Econo Lube N' Tune facility is an auto service facility located at 202 N. 19th Avenue. There is one UST located at this site that contains 500 gallons of used motor oil. The tank was installed in September of 1987 and, according to the most recent UST notification, dated June 4, 2001, is currently in use. There is no information indicating that a release has occurred at this facility.

3.6.6 Silverado Radiator and Muffler Shop

According to a UST tank notification for Silverado Radiator and Muffler Shop, dated January 10, 1996, this facility was an automotive repair shop located at 2801 W. Van Buren Street.¹⁵ There were five or six orphan tanks located at this site, all of which were empty at the time the UST notification was submitted. These tanks were of an unknown capacity. Silverado Radiator and Muffler Shop owners believed these tanks were associated with a gas station previously located at the site. No further information was detailed in the UST file for Silverado Radiator and Muffler Shop.

¹⁵ According to an ADEQ Compliance Assistance Inspection Report, dated November 19, 1998, this facility was located at 2731 W. Van Buren Street. A UST tank notification, dated January 10, 1996, indicates the address for this site was 2801 W. Van Buren.

3.6.7 Vacant Building

This vacant building was owned by Stutchman Trust Property and functioned as a commercial office building. The facility, located at 3201 W. Harrison Street, had three USTs located on-site: one gasoline tank, one diesel tank, and one 1,000-gallon used motor oil tank. All three of these tanks were closed on November 17, 1992. The tank closure report pertaining to the removal of the tank, dated November 17, 1992, indicates no evidence of a leak. A December 8, 1992 report titled "Tank Closure of Three Underground Storage Gasoline Tanks" detailing the removal of the gasoline, diesel, and waste oil tanks states that five representative soil samples were collected from the bottom of the tank pits and was analyzed for total petroleum hydrocarbons (TPH), volatile chlorinated hydrocarbons and volatile aromatic compounds. Analytical results indicate that TPH, volatile chlorinated hydrocarbons, and volatile aromatic compounds were all below detection limits.

3.6.8 W. Friedman and S. Lazerson

The W. Friedman and S. Lazerson property was located at 2101 W. Van Buren Street. According to a UST notification, dated May 10, 1989, there were four USTs located at this site. Three of these tanks contained gasoline and were removed by the site owner. The fourth tank was a 280-gallon used motor oil tank, which was closed by removal on May 10, 1989. All of these tanks were estimated as having been installed in 1964. According to a letter from Friedman and Lazerson, dated May 12, 1989, seven soil samples were taken from areas beneath and lateral to the used oil tank. The samples were tested and measured for petroleum related products including "numerous volatile organic and inorganic compounds." All of the seven samples analyzed resulted in measurements of zero parts per million for volatile organic and inorganic compounds including petroleum.

3.6.9 3 D One LLC/Gas Warz No. 305

The 3 D One LLC/Gas Warz 305 facility was a commercial gas station located at 3445 W. Van Buren Street. There were six USTs located at this site. Five of these tanks contained gasoline and one tank contained 550 gallons of used motor oil.¹⁹ A UST notification, dated April 11, 1990, indicates that evidence of leaks from two gasoline tanks and one used oil tank was detected on March 16, 1990. According to the tank closure report for this facility, dated June 23, 1994, a small hole was observed in the used oil UST when it was removed however, there were no signs of hydrocarbon constituents in the soils surrounding the tank and no other structural failures were observed. According to the Initial Site Characterization and Subsequent Assessment Studies report conducted to evaluate the presence and concentration of hydrocarbon constituents in the soil, dated July 31, 1990, a total of 34 soil samples were submitted for laboratory analysis. Thirty-two samples were analyzed for TPH and benzene, toluene, ethyl benzene, and xylene (BTEX). The remaining two soil samples were taken from an area adjacent to the waste oil tank and analyzed for total recoverable petroleum hydrocarbons (TRPH) and purgeable halocarbons. These borings did not detect hydrocarbon constituents in either the native soils adjacent to or beneath the tanks or in the backfill material.

¹⁹ A UST notification, dated February 1, 1991, states that the used oil tank had a 280-gallon capacity.

The LUST file was closed by the ADEQ on January 11, 1995 following the excavation and transportation of approximately 570.79 tons of petroleum contaminated soil. There was no information contained in the LUST file for this facility that indicates soil samples taken during the UST removal were analyzed for chlorinated solvents.

3.6.10 3030 Project

The 3030 Project was located at 3030 W. Buckeye Road. According to a UST notification, dated April 28, 2000, there was one orphan UST located at this site containing 1000 gallons of unknown product.²⁰ On February 15, 2000, the tank was closed and two soil samples were taken from beneath it. According to a tank closure report, dated April 11, 2000, these samples were analyzed for BTEX, TPH, and polycyclic hydrocarbons. No testing was performed for aromatic and volatile hydrocarbons. No information was located in the UST or LUST files for this facility that indicated the presence of chlorinated solvents.

3.6.11 Arizona Transport Refrigeration, Inc.

Arizona Transport Refrigeration, Inc. (Arizona Transport Refrigeration) was a trucking/transport facility located at 830 S. 23rd Avenue. According to a June 23, 2000 UST tank notification form, three USTs were located on-site. The facility maintained two diesel tanks and a 500-gallon waste oil tank, which was installed on an unknown date and removed on May 8, 1997.²¹ A release from the used oil UST was discovered upon removal of the tank and reported to the ADEQ on May 9, 1997. The UST closure report, dated May 9, 1997, indicates evidence of spills and/or overfills, stained soil, and petroleum odor emanating from the tank excavation. However, no holes were noted in the tank at the time it was removed. Two soil samples were taken from the UST excavation and were analyzed in the laboratory for TPHs and halogenated and aromatic VOCs. The 14-day letter report pertaining to the used oil release at this site, dated May 20, 1997, states that analytical testing for VOCs and TPH indicated no detectable concentrations above method detection limits.

3.6.12 Auto Safety House

The Auto Safety House was a bus and truck maintenance facility located at 2630 W. Buckeye Road. There were three USTs located at this site, two containing new motor oil and one containing 1,000 gallons of used motor oil. All three tanks were installed in approximately 1978 and closed by removal from the ground on May 2, 1991. The most recent UST notification, dated May 28, 1991, indicates that TPH contamination was detected in samples collected from the base of the tank pit and holes were observed in each of the tanks following the removal operation.

²⁰ According to a tank closure report received by the ADEQ in November 2000, the tank contained gasoline, but all other reports, correspondence, and notifications state that the substance contained in the tank is unknown.

²¹ UST tank notifications, dated April 11, 1997 and June 23, 2000, indicate that the used oil tank had a 250-gallon capacity. The UST tank closure report, dated May 9, 1997, indicates that the used oil tank had a 500-gallon capacity.

A LUST removal report, dated June 25, 1991, states that soil samples were taken from the T-shaped tank excavation pit created by the removal of the three tanks. Low levels of TCA and PCE were detected in samples collected from soils around the fill pipe during the tank pull operation. As a result, each of seven samples collected for the LUST removal report were analyzed for the presence of solvents including TCE, PCE, and TCA. Results of laboratory analysis were non-detects for the presence of chlorinated solvents. The ADEQ issued a LUST case closure letter to Auto Safety House in regard to this leak on August 6, 1996.

3.6.13 Fleming Foods

Fleming Foods was a private warehouse facility classified as a trucking/ transport operation located at 624 S. 25th Avenue. According to a UST notification for this facility, dated June 23, 1993, there were 13 USTs located at this site: 10 diesel tanks, 2 gasoline tanks, and one waste tank containing 200 gallons of waste oil. According to the UST file, the single used oil tank was ruptured during cleaning on December 4, 1997 and closed by removal on January 29, 1998.

A letter report of drilling assessment for Fleming Foods received by the ADEQ on February 17, 1998 addressed the removal of the used motor oil UST. This report states that bottom samples from soil borings were analyzed for TRPH and halogenated and aromatic VOCs. No detectable VOC or TRPH concentrations were found. The ADEQ issued a LUST case closure letter in reference to the used oil leak at this facility on February 25, 1999.

3.6.14 Holsum Bakery, Inc.

Holsum Bakery, Inc. (Holsum Bakery) was a commercial bakery with a maintenance building for delivery trucks located on the northwest corner of the property. This facility, which had four USTs on-site, was located at 408 S. 23rd Avenue. Two USTs contained diesel fuel; one contained new motor oil; and one tank contained 550 gallons of used motor oil. The used motor oil tank was installed in approximately 1982. According to the most recent UST notification received by the ADEQ on August 11, 1993, the 550-gallon used oil tank was closed by removal on March 11, 1993. Evidence of a leak due to overfill was noted prior to the removal of the used oil UST. An incident report, dated February 19, 1993, indicates that evidence of the used oil release was first discovered while installing an overfill device and that the tank was removed entirely following this discovery.

Excavation above the used oil UST on February 19, 1993 revealed additional contamination across the top of the UST and down the sides of the tank. The tank closure report, dated March 11, 1993, notes that stained soil, petroleum odor, and evidence of spills and/or overfills were visible at the time of tank removal. The "Site Investigation Report" for this facility, dated April 30, 1993, states that soil samples from both the used oil and new oil USTs were analyzed for volatile halocarbons, ignitability, TPH, and paint filter. Results indicate hydrocarbons were present in the soil. No evidence was found that indicate testing was done to determine whether chlorinated solvents were present in the area surrounding the used oil UST excavation. On August 2, 1996, the ADEQ issued a case closure letter regarding the LUST file associated with this site.

3.6.15 Texaco Service Station

A UST notification form, dated March 6, 1990, indicates that this site was leased to a Texaco Service Station (Texaco) by an individual named Ferdi Sant. The site, located at 3438 W. Buckeye Road, was operated as a Texaco from October 1962 until October 1982. From 1982 until October 1987, the property was operated as a gas station by an individual lessee named Red Berry. The five USTs located at this site were empty and out of use from 1987 until their removal in 1989. According to the March 6, 1990 UST notification, prior to 1987, four USTs contained gasoline and one UST contained 550 gallons of used motor oil. All five tanks were installed by Texaco on October 18, 1962 and removed from the ground on November 30, 1989. According to a letter to the ADEQ from Stanco Petroleum Equipment, Inc., dated March 14, 1990, soil samples were taken from tank excavation pits and were tested for TPH and BTEX only. There was no indication of VOC contamination.

3.6.16 Unocal Service Station No. 6020

Unocal Service Station No. 6020 was a commercial gas station located at 2225 W. Grant Street. There were three USTs located at this site. According an UST notification for this facility, dated January 30, 1992, two tanks contained gasoline, while the last tank contained 550 gallons of used motor oil. All three of these tanks were installed in 1968. A UST notification, dated January 30, 1992, indicated that all three USTs were going to be removed in February 1992. According to a report titled "Underground Storage Tank Removal Monitoring," which detailed the removal of the fuel storage distribution system and the used oil tank, dated July 8, 1992, a release occurred from one of the gasoline tanks located at this facility. During the UST removal monitoring, the waste oil tank was found to be in good condition and no soil staining was found around or beneath the tank. Soils clinging to the bottom of the tank and two additional samples taken from two feet below the tank were monitored for volatile organic vapors with a photoionization detector and all soils collected from the area of the used oil tank registered a reading of zero. In addition, soil samples taken from beneath the waste oil tank were analyzed for TRPHs and volatile halocarbons. Soil sample results from the used oil UST area were below the method detection levels. The only release documented as having occurred at this facility pertained to gasoline.

3.7 ADEQ STATE PERMITS LIST RESULTS

The ADEQ conducted a search of the applications and permits section of the water quality database using the zip code of 85009, which encompasses the industrial survey site boundaries. This search did not locate any facilities that had permits or applications within the industrial survey study area.

3.8 CITY OF PHOENIX FIRE DEPARTMENT INCIDENT REPORT RESULTS

HydroGeoLogic submitted a request for fire, hazardous materials, car accident, and medical emergency incident reports to the City of Phoenix Fire Department. Fire Department personnel provide HydroGeoLogic with an incident report finding aid pertinent to addresses falling within the industrial survey site boundaries. A search of the active database resulted in numerous hits; however, the fire department was not able to perform an archived search within the time allotted for industrial survey completion. The ADEQ directed HydroGeoLogic not to combine this research based on the level of effort needed.

HydroGeoLogic was informed that an archives search would need to be conducted in order to access records dating back to 1982.

3.9 CITY OF PHOENIX INDUSTRIAL PRETREATMENT VIOLATIONS RESULTS

The review of the city of Phoenix pretreatment violations reports did not identify any facilities with violations within the survey boundaries for the years 1988 through 2000. The Pollution Control Division did not maintain records that were dated prior to 1988.

3.10 OSHA VIOLATION OR INCIDENT RESULTS

HydroGeoLogic conducted searches for the facilities on the OSHA website using addresses obtained via city directory review. The establishment search feature allows for a query of the OSHA database by individual address. It was determined that 21 facility locations within the industrial survey boundaries had either OSHA inspections and/or violations. Among the 21 facilities identified, 57 inspections were conducted and 117 violations were cited. The inspections were conducted for planned purposes, follow-ups, complaints, referrals, and accidents.

The information provided by the OSHA inspections database is inclusive of the facility location, standard industrial classification code, type of inspection, type of violation, if any, and case closure date. A summary of the inspections is not provided in the database. Violations are categorized by ID type. Violation descriptions are not extensive and did not indicate use of the COCs or a release of COCs within the survey boundaries.

3.11 MARICOPA COUNTY NON-RESIDENTIAL SEPTIC TANK RESULTS

HydroGeoLogic submitted a list of 117 addresses and the corresponding legal descriptions of these properties to the Environmental Services Department of Maricopa County to request non-residential septic tank information. The non-residential septic tank records search yielded ten addresses that were associated with septic tank permit applications.

The non-residential septic tank results are summarized in Table 3.4 below and include facility name, property address, permit application number, and the date that Maricopa County received the septic tank permit application. All ten septic tank permit applications addressed in Table 3.4 were approved.

Over time the septic tank permit application forms were altered and improved upon. As a result, those applications from the 1950s and 1960s contained less information than permit applications from the 1970s. The septic tank permit applications HydroGeoLogic reviewed often did not list the names of the operators. HydroGeoLogic included any relevant information regarding non-residential septic tanks that fell within the industrial survey site boundaries in the table. The location of septic tank facilities are depicted in Figure 3.2.

Table 3.4
Septic Tank Results

Facility Name	Address	Permit No.	Date Received
Anderson Clayton Co. ^a	320 S 27 th Ave.	740295 & 791775	5/2/75 & 6/1/79
Arizona Industries for the Blind	3013 W Lincoln St.	5396	3/21/69
Associated Grocer's	624 S 25 th Ave.	6487	5/8/62
Capital Lumber Co.	200 S 35 th Ave.	711203	1/14/72
Desert Park Trailer Park	3010 W Lincoln St.	6709, 13305, 13306, & 13307 ^b	4/12/62, 4/7/64, 4/7/64, & 4/7/64
Not Specified	1018 S 27 th Ave.	102952	2/18/59
Not Specified	2745 W Lincoln St. ^c	102693	1/27/59
Not Specified	3309 W. Lincoln St.	2770	9/11/61
Rodgers Builders	2106 W Grant St.	15460	5/25/65
Sign Shop ^d	902 S 27 th Ave.	102382	1/5/59

3.12 MARICOPA COUNTY AIR QUALITY VIOLATIONS RESULTS

There were 11 companies with air quality violations that fell within the industrial survey boundary. On September 16, 1999, Moreno Auto Body Shop, located at 2835 W. Buckeye Road, received a Notice of Violation (NOV) for failing to obtain the required permit; however, the Maricopa County Air Quality Department does not maintain a file on this party.

^a The May 2, 1975 septic tank permit application states that this facility was a warehouse. The June 1, 1979 septic tank permit application lists the type of business as a cotton seed plant.

^b Permits numbered 13305, 13306, and 13307 were in reference to three separate septic tanks being installed on the same property.

^c The septic tank permit application form for this address, dated January 27, 1959, indicates that the address was 2745 W. Lincoln St.; however, the last two digits, 45, have been crossed out and re-listed as 29.

^d Permits numbered 13305, 13306, and 13307 were in reference to three separate septic tanks being installed on the same property.

On November 15, 2000, Holsum Bakery, Inc., located at 2322 W. Lincoln St., was issued an NOV due to the failure to pass a Condition 23 performance test. This test only analyzed emissions from yeast by-product VOCs. Neither of these companies received violations associated with the usage of COCs identified at the site and were not plotted in Figure 3.2.

The remaining nine companies with air quality violations conducted paint spray booth operations and were cited for violations related to spray booth usage (e.g., enclosure height, disposal methods).

TCE can be found in industrial paints, paint strippers, lacquers, and varnishes, although probably not in large quantities. It is unclear whether any of the facilities used the COCs associated with this industrial survey. Schuff Steel Co. listed chromium as a compound used in its operations, emitting .14 lbs/year. While National Metals had a lengthy list of public safety, health and environmental issues, including two explosions, none pertained to this industrial survey's COCs. The nine companies are listed below and have been plotted on Figure 3.2:

- Meyer & Lundahl Manufacturing Co., 2345 W. Lincoln St.
- Hi Tech Fabrication, 3040 W. Lincoln St.
- Steel Specialists, Inc., 3103 W. Lincoln St.
- Interstate Wreck Rebuilder, Inc. (IWR, Inc.), 3215 W. Lincoln St.
- Western Fabricators, Inc., 2506 W. Jackson St.
- Auto Safety House, L.L.C., 2630 W. Buckeye Rd.
- Schuff Steel Co., 420 S 19th Ave.
- M & D Electric Parts Remanufacturing, Inc., 2 N. 35th Ave.
- National Metals Co./Metal Management Arizona L.L.C., 320 S. 19th Ave.

3.13 REGISTERED DRY WELL RESULTS

HydroGeoLogic reviewed the ADEQ Dry Well database finding aid available online to identify facilities within the industrial survey boundaries having registered dry wells. HydroGeoLogic identified 39 dry wells at 22 facilities within the industrial survey site boundaries. The dry well review results are depicted in Table 3.5 and Figure 3.2. Almost all of the dry wells discussed are for the purpose of receiving rain water or storm water runoff. Table 3.5 includes general information regarding each of the 22 facilities with dry wells. A column has been included in the table which lists any COCs stored or generated on-site at a given facility. It is important to note that, while facilities in the table may have used or generated other chemicals, only the COCs for the West Van Buren WQARF Registry site have been included in the table. Those wastes included in the COCs column in Table 3.5 are wastes generated by facility operations. Available information does not indicate that a discharge of COCs to the dry well occurred.

It is further noted that Aquifer Protection Permits (APPs) have not been required for any of the facilities included in the table. However, the ADEQ requested APP applicability determination forms from five of the facilities listed in Table 3.5. These five facilities included 3010 W. Lincoln Venture, Consolidated Rebar, Inc., Donaldson Equipment Sales, Fortune Plastics, Inc., Office Warehouse Facility, and Warehouse Facility. APP applicability determination forms were not located in the dry well registration files for any of the facilities listed above.

Table 3.5
Registered Dry Wells

Facility Name	Facility Address	Registration Number	No. of Dry Wells	Facility Type	COCs	Initial Registration Date
27th Ave Swap Meet Property	310 S 27th Ave	7378	1	Offices and Retail Business	Solvents, Oil Thinners ^a	2/9/98
3010 W Lincoln Venture ^b	3010 W Lincoln St	8529 - 8533	5	Manufacturing and Painting of Clay Flower Pots	None	8/16/93
American Garage Door	3103 W Lincoln St	314 & 315	2	Offices and Retail/Warehouse	None	1/28/87
Arizona Bag Co., Inc.	2530 W Buckeye Rd	3007 & 3008	2	Warehouse & Manufacturing	None	9/21/89
Boise Cascade	200 S 35th Ave	10280	1	Wholesale Building Materials Distribution	None	2/14/95
Checker Auto Parts Store No. 1160	3409 W Van Buren St	15636 -15638 15715-15716	3 2	Office and Retail	None	3/20/98 3/30/98
Consolidated Freightways Corp. of Delaware	830 S 25 th Ave	9974	2	Common Freight and Shipping Terminal	None	10/31/94
Consolidated Rebar, Inc. ^c	321 S 27 th Ave	16085	1	Manufacturing	None	6/26/98
Donaldson Equipment Sales	2149 W Buckeye Rd	4409 & 4410	2	Used Auto Trading Facility	None	4/26/91

^a These chemicals were stored in their original containers for use by maintenance. None of them were stored near the drain area.

^b Desert Valley Pottery was a tenant at 3010 W. Lincoln Venture and is the sole facility addressed in the dry well registration file.

^c A dry well registration form, dated July 8, 1998, indicates that the facility name was Consolidated Rebar, Inc., while the property owner was RZ Properties L.L.C.

Table 3.5 (continued)
Registered Dry Wells

Facility Name	Facility Address	Registration Number	No. of Dry Wells	Facility Type	COCs	Initial Registration Date
Fortune Plastics, Inc.	3401 W Buckeye Rd	8105 & 8106	2	Manufacturing and Printing of Plastic Bags	F002 ^d	7/15/93
Horizon/Trotter Site No. 3310	3310 W Sherman St	10851 & 10852	2	Vacant Warehouse	None	6/19/95
Horizon/Trotter Site No. 3311	3311 W Lincoln St	10853	1	Oil Filter Recycling Service	None	6/19/95
Jose's Pallets	2135 W Buckeye Rd	18853	1	Office & Retail	None	1/21/00
Meyer and Lundahl Manufacturing Corporation	2345 W Lincoln St	3620, 3621, & 10109	2	Architectural Millwork-Manufacturing	None	12/20/94
Not Specified	3106 & 3108 W Lincoln St	16888 & 16889	2	Warehouse	None	11/13/98
Not Specified ^e	2821 W Van Buren St	21372	1	Former Alternator and Starter Rebuild Facility	None ^f	3/14/01
Office Warehouse Facility	2330 W Sherman St	12064	1	Warehouse	None	2/13/96
Reywest Commerce Center Building No. 5	2 N 35th Ave	2731	1	Warehouse/Manufacturing	None	6/21/89
Reywest Commerce Center Building No. 11	36 N 35th Ave	3478	1	Offices & Retail/Warehouse	None	7/17/91

^d F002 is defined as: the following spent halogenated solvents; tetrachloroethene, methylene chloride, trichloroethene, 1,1,1-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, trichlorofluoromethane, and 1,1,2-trichloroethane, all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the halogenated solvents listed in F001, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures

^e This facility operated from 1976 until 1999 as M & D Electrical Parts Remanufacturing, Inc.

^f Sludge was tested for VOCs upon dry well closure, but sample results were negative. TPH, polyaromatic hydrocarbons (PAHs), and metals were found at low concentrations.

Table 3.5 (concluded)
Registered Dry Wells

Facility Name	Facility Address	Registration Number	No. of Dry Wells	Facility Type	COCs	Initial Registration Date
Vacant Former Warehouse	520 S 19 th Ave	14468	1	Warehouse	None Specified	8/28/97
Valley American Corporation	1918 W Van Buren St	4017	1	Warehouse	None	11/7/90
Warehouse Facility	3315 W Buckeye Rd	17408 & 17409	2	Aircraft/Automobile Servicing and Window Manufacturing ^g	Safety-Kleen Parts Washer	4/16/98

^g This facility is comprised of two buildings and has several tenants. An APP applicability determination form, dated April 16, 1999, indicates that the window manufacturing tenant, Glazing Industries, is the only potential concern identified at the property.

3.14 AERIAL PHOTOGRAPH ANALYSIS

HydroGeoLogic retained the services of Jack Robertson, P.G., consulting hydrogeologist to HydroGeoLogic, to evaluate two aerial photographs representative of the eastern portion of the West Van Buren WQARF Registry site and the middle-eastern portion of the West Van Buren WQARF site. The coverage of the aerial photographs encompasses the industrial survey study area and Mr. Robertson focused his analysis on this area. The source and date of the photographs are unknown. Both photographs are poor quality color copies of color originals at a relatively large scale. In conducting his analysis, Mr. Robertson looked for evidence of commercial or industrial operations conducted in the study area and evidence of environmental contamination. Specific observations are noted below and correspond to areas on Figure 3.3 identified by the letters A through N (Area A, Area B, etc.).

- Area A: Heavily stained and “junky” looking area indicating a potential metals salvage yard and potential drum recycling/cleaning facilities.
- Area B: Major industrial center with many buildings in somewhat deteriorated-looking condition; possible railroad repair/maintenance facility or a metal product manufacturing facility. Both business types are likely past users of chlorinated solvents. There appears to be dark-stained soils in the area.
- Area C: Relatively small area containing what appears to be dark-stained soils.
- Area D: Industrial complex with areas of what appear to be dark-stained soils.
- Area E: Industrial complex with a very dark-toned feature, possibly sludge or waste lagoon.
- Area F: Area with apparent dark-stained soil; possible cattle feed lot or automobile salvage yard.
- Area G: Very large industrial complex with many buildings and many stockpiles of various materials. It is probable that many solvent users operated within such a complex.
- Area H: Huge industrial facility; possible major manufacturer of metal products, which is a likely past user of chlorinated solvents.
- Area I: Variable-toned soils in the area.
- Area J: Large, complex industrial area with many buildings, stockpiles, vehicles, etc; variable-toned soils in the area.
- Area K: Appears to be an area where fresh fill soil has been spread.
- Area L: Area containing dark features, possibly vegetation, waste-stained soil, or waste lagoons/sludge spreading areas.
- Area M: Large area with multiple small to medium industrial facilities of many different types and sizes; some stained soils; many likely former solvent users within such a complex.

3.15 INTERVIEW SUMMARY RESULTS
















The interview summaries of the individuals HydroGeoLogic contacted are found in Appendix D of this report.

Figure 3.3
Aerial Analysis Reference Map
Industrial Survey within the
West Van Buren WQARF Registry Site

Arizona Department of
Environmental Quality



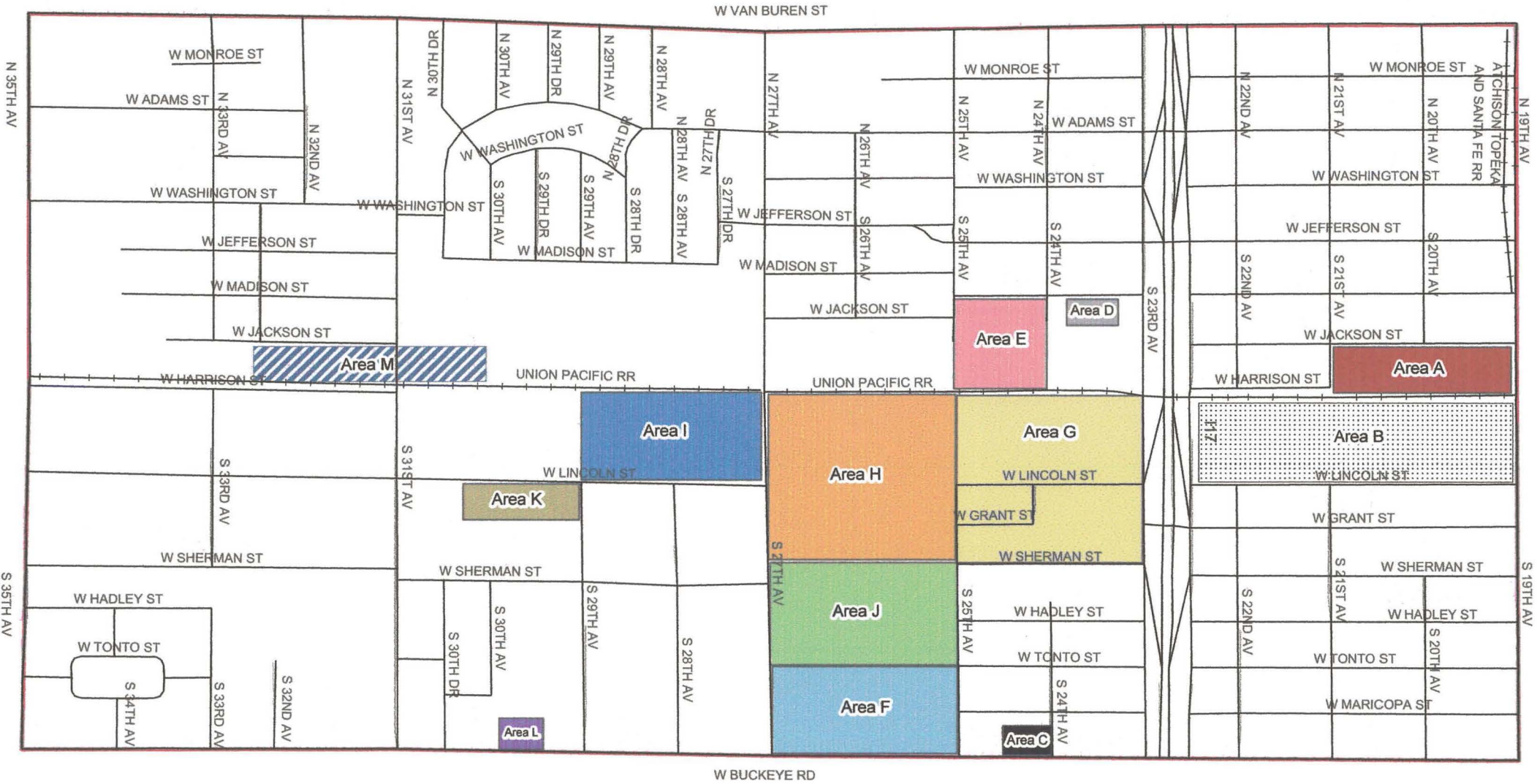
Legend

-  Area A
-  Area B
-  Area C
-  Area D
-  Area E
-  Area F
-  Area G
-  Area H
-  Area I
-  Area J
-  Area K
-  Area L
-  Area M
-  Industrial Survey Boundary
-  Railroad



WVHGLC015304

Filename: x:\phoenix\graphics\Ta21\Aerial.mxd
Project: ARI002- 021
Created: 5/12/02 RPetrillo
Revised: 8/15/02 RP
Source: City of Phoenix (Basemap 01/02)
Aerial Photograph (Source, Date,
and Scale Unknown)



Section 4

WVHGLC015305

4.0 DATA GAPS

HydroGeoLogic conducted research at Arizona State University's Hayden Library, the City of Phoenix Public Library, and the State Capitol Library to review and obtain copies of city directories. In addition, HydroGeoLogic conducted file reviews of various sources of documents from the federal, state, and local levels. Based on this research, HydroGeoLogic compiled detailed information regarding facilities located within the industrial survey boundaries. However, various data gaps have been discovered during the course of the project and are presented below.

- HydroGeoLogic was not able to locate Phoenix city directories or Yellow Pages for 1943, 1944, or 1954.
- Information regarding city of Phoenix Industrial Pretreatment Violations was unavailable for years prior to 1988.
- HydroGeoLogic was unable to perform a comprehensive search of the OSHA database for the area within the industrial survey site boundary because the OSHA database is not searchable by address range or zip code. As an alternative, HydroGeoLogic formulated a list of company names using the results of the Phoenix city directory review. The OSHA database was searched for individual company names and OSHA results were based on these findings. Consequently, HydroGeoLogic could not search the OSHA database for information on facilities that may not have been identified via city directory review.
- HydroGeoLogic was unable to perform a comprehensive search of Maricopa County septic tank data for the area within the industrial survey site boundary. This limitation was due to the fact that records for an individual property could not be located without the legal description for that property. As an alternative, HydroGeoLogic formulated a list of addresses and corresponding legal description for facilities identified via Phoenix city directory review. This list was submitted to the Maricopa County septic tank records custodian who performed a search using the 117 legal descriptions provided. HydroGeoLogic could not search Maricopa County septic tank records for information on facilities that may not have been identified via city directory review. In addition, legal descriptions for several of the addresses identified through HydroGeoLogic's city directory review were not available through the Maricopa County Assessor's office and no search was conducted for these addresses.
- The septic tank permit applications HydroGeoLogic reviewed often did not list the names of the operators that corresponded with the properties having non-residential septic tanks. HydroGeoLogic included any available information regarding non-residential septic tanks that functioned within the industrial survey site boundaries.

- Maricopa County Air Quality records were unavailable beyond the past five years. In addition, HydroGeoLogic was unable to perform a comprehensive search of these records for the area within the industrial survey site boundary because the Air Quality Division database can not be searched by address range or zip code. As an alternative, HydroGeoLogic formulated a list of company names and addresses for those facilities in operation within the past five years using the results of the Phoenix city directory review. This list was submitted to the Maricopa County Air Quality Division records custodian who performed a search using the 117 legal descriptions provided. HydroGeoLogic could not search air quality database for information on facilities that may not have been identified via city directory review or those facilities without legal descriptions.

**APPENDIX A
INFORMATION SOURCES**

**INDUSTRIAL SURVEY NO. 3
WITHIN THE
WEST VAN BUREN WQARF REGISTRY SITE**

TABLE OF CONTENTS

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**APPENDIX A
INFORMATION SOURCES
INDUSTRIAL SURVEY NO. 3
WITHIN THE
WEST VAN BUREN WQARF REGISTRY SITE**

1.0 INTRODUCTION

This appendix lists the sources contacted by HydroGeoLogic, Inc. (HydroGeoLogic) for information during the course of conducting the industrial survey within the West Van Buren WQARF Registry site. Sources include various federal, state, and local governmental entities as well as public and private entities.

2.0 INFORMATION SOURCES

2.1 U.S. GOVERNMENT

U.S. Department of Labor
Occupational Safety and Health Administration (OSHA)
<http://www.osha.gov>
<http://www.osha.gov/oshstats/index.html>

HydroGeoLogic queried the OSHA inspection data establishment search database by entering facility names identified through the city directory review.

U.S. Environmental Protection Agency (EPA)
Region 9 (AZ, CA, HI, NV)
75 Hawthorne Street
San Francisco, California 94105
<http://www.epa.gov>
http://www.epa.gov/enviro/html/cerclis/cerclis_query.html
(415) 744-1305

HydroGeoLogic searched the EPA Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) website and the CERCLIS archives sites database for facilities within the focus area of the industrial survey.

2.2 STATE OF ARIZONA

Arizona Department of Environmental Quality (ADEQ)

3033 North Central Avenue

Phoenix, Arizona 85012

Julie Riemenschneider, Project Manager

(602) 207-4192

Kevin Snyder, Project Hydrologist

(602) 207-4186

Ms. Riemenschneider and Mr. Snyder provided HydroGeoLogic with the boundaries of the industrial survey and guidelines for the deliverable product. Mr. Snyder also provided names of potential interviewees.

Arizona Department of Environmental Quality (ADEQ)

3033 North Central Avenue

Phoenix, Arizona 85012

UST/LUST File Room

(602) 207-4345

<http://www.adeq.state.az.us/environ/waste/ust/index.html>

HydroGeoLogic reviewed the underground storage tank (UST) and leaking underground storage tank (LUST) finding aids available through the ADEQ website. Files were reviewed for those facilities indicated by the finding aid as having a UST that contained used oil, waste oil, solvents or unknown product. HydroGeoLogic also reviewed LUST files within the survey boundaries for those facilities that maintained USTs containing the above-listed materials.

ADEQ

3033 North Central Avenue

Phoenix, Arizona 85012

Central File Room

(602) 207-4380

After researching document availability in finding aids, HydroGeoLogic reviewed Resource Conservation and Recovery Act (RCRA) notifications, RCRA case files, dry well notifications, and preliminary assessment/site investigation (PA/SI) records in the ADEQ central file room. Relevant documents were copied.

ADEQ

3033 North Central Avenue

Phoenix, Arizona 85012

Ramona Rodriguez

(602) 207-4686

http://www.adeq.state.az.us/environ/water/permits/dry_wellsearch.html

HydroGeoLogic queried the ADEQ dry well database to locate dry wells within the West Van Buren industrial survey site boundary. HydroGeoLogic then contacted Ramona Rodriguez in order to obtain dry well registration information pertaining to the identified facilities. Ms. Rodriguez located the appropriate files and conveyed them to the ADEQ Central File Room where HydroGeoLogic reviewed them.

ADEQ

3033 North Central Avenue
Phoenix, Arizona 85012
Hazardous Waste and Compliance Section
Felicia Kerzwicki
(602) 207-4108
Wilma Molitor
(602) 207-4147

After reviewing the RCRA hazardous waste generator finding aid, HydroGeoLogic contacted Ms. Molitor to request RCRA notification files for those facilities identified within the industrial survey boundaries. After reviewing both the RCRA open case file and closed case file finding aids, HydroGeoLogic contacted Ms. Kerzwicki to request the appropriate files for review. Ms. Molitor and Ms. Kerzwicki located the requested files and conveyed them to the ADEQ Central File room where HydroGeoLogic reviewed them. In addition, HydroGeoLogic faxed a request to Ms. Kerzwicki to determine the number of identified RCRA case files that contain confidential information. The presence of confidential files is footnoted in the body of the report.

ADEQ

3033 North Central Avenue
Phoenix, Arizona 85012
Jerry Smit, Responsible Party Search Manager
(602) 207-2220

Mr. Smit provided HydroGeoLogic with overall project direction regarding necessary measures for conducting an industrial survey of the site. Mr. Smit supplied HydroGeoLogic with finding aids for available documents regarding RCRA, PA/SI, USTs, LUSTs, and dry well installation. This material was reviewed to determine what records were available. HydroGeoLogic also coordinated with Mr. Smit to conduct a search of the ADEQ state permits list. Mr. Smit provided HydroGeoLogic with the results of this search.

ADEQ

3033 North Central Avenue
Phoenix, Arizona 85012
Richard Olm, Project Manager
(602) 207-4223

HydroGeoLogic contacted Mr. Richard Olm at the direction of Kevin Snyder, the ADEQ project hydrologist for the site. Mr. Olm was a former project manager for the West Van Buren WQARF Registry site. See Appendix D for an interview summary with Mr. Olm.

Department of Library, Archives, and Public Records

History & Archives Division
1700 West Washington
Phoenix, Arizona 85007
Donald H. Langlois
(602) 542-4159

HydroGeoLogic reviewed the City of Phoenix Directory for 2001 and copied the street range information within the survey boundaries.

Industrial Commission of Arizona

Arizona Occupational Safety and Health Department
800 W. Washington Street
Phoenix, Arizona 85007
Diane Marks, Administrative Assistant
(602) 542-5795

HydroGeoLogic contacted the Arizona OSHA to inquire about how to perform a search of violations for facilities within the site boundaries. Ms. Marks stated that because the street range and address information is so large, she is unable to conduct a search for each individual property within the site boundaries. Ms. Marks suggested that HydroGeoLogic access OSHA information through the U.S. Department of Labor OSHA website by searching on the names of the facilities of interest.

2.3 MARICOPA COUNTY

Maricopa County

Environmental Services Division
1001 North Central Avenue, Suite 150
Phoenix, Arizona 85004
(602) 506-6666, Ext. 4

HydroGeoLogic visited the Environmental Services Division to submit a written request for information regarding non-residential septic tank permits within the survey boundaries. The request included 117 property addresses identified through HydroGeoLogic's city directory review and their corresponding property descriptions obtained through the Maricopa County Assessor's website. Although additional addresses were identified through HydroGeoLogic's city directory review, some

addresses did not yield a property description in HydroGeoLogic's search. The Environmental Services Division cannot conduct a search without a property description. Of the 117 facility addresses submitted, the Environmental Services Division located information on ten properties.

Maricopa County

Air Quality Department
1001 North Central Avenue, Suite 201
Phoenix, Arizona 85004
Ron Sands, Custodian of Records
(602) 506-6201

HydroGeoLogic contacted the Maricopa County Air Quality Department in order to determine which facilities within the site boundaries have air quality violations. HydroGeoLogic learned that the permit and violation files are only retained for a period of five years. HydroGeoLogic reviewed its city directory research results to identify those parties operating within the past five years and submitted a request to the Air Quality Department containing approximately 90 facility names. The Air Quality Department searched its violations database by entering the facility names provided by HydroGeoLogic. HydroGeoLogic then visited the Air Quality Department to review the files on 12 parties identified within the survey boundaries with violation(s).

Maricopa County

County Assessor's Office
301 West Jefferson Street, 1st Floor
Phoenix, Arizona 85007
(602) 506-3406
<http://www.maricopa.gov/parcelApplication/>

HydroGeoLogic queried the county assessor's website to locate property descriptions for those addresses identified through the city directory review. This information was included in an information request to the Environmental Services Division for non-residential septic tank information. The Environmental Services Division requires legal property description information in order for it to conduct a search for septic tank information. HydroGeoLogic located legal property descriptions for 117 properties. All other addresses identified through HydroGeoLogic's city directory review did not yield any property description information.

2.4 CITY OF PHOENIX

City of Phoenix Fire Department

10 South 12th Street
Phoenix, Arizona 85034
Kathy Guzman, Custodian of Records
(602) 534-6155

HydroGeoLogic mailed a request to the City of Phoenix Fire Department for information regarding any incidents including hazardous materials reports, medical incidents, and fire calls that occurred within the industrial survey boundaries. Records maintained by the fire department date back to

March 29, 1982. The City of Phoenix Fire Department conducted a search based on specific address information provided by HydroGeoLogic. The department provided HydroGeoLogic with an index to all incidents within the survey boundaries.

HydroGeoLogic then requested to review the full incident reports for the facilities of interest; however, since an archives search would need to be conducted in order to access records dating back to 1982, the fire department was unable to accommodate HydroGeoLogic's records request within the time allotted for industrial survey completion. As a result, HydroGeoLogic was unable to complete a review of the fire department's incidents report for addresses within the industrial survey site boundaries. HydroGeoLogic omitted fire department results from the draft industrial survey at the direction of the ADEQ.

Phoenix Public Library
1221 North Central Avenue
Phoenix, Arizona 85012
(602) 262-4636

HydroGeoLogic visited the library and made copies of relevant pages from the Street Number and Address Guide portion of the city of Phoenix directories.

Pollution Control Division
2474 South 22nd Avenue, Building 31
Phoenix, Arizona
Ken Karnes, Chief Water Quality Inspector
(602) 262-6697

HydroGeoLogic visited the City of Phoenix Pollution Control Division to review annual industrial pretreatment reports published by the agency to search for facilities within the survey boundaries that were cited for pretreatment violations. Reports available through this department date back to 1988. HydroGeoLogic did not locate any information relevant to the industrial survey study area during this search.

2.5 PUBLIC SOURCES

Arizona State University (ASU)
Hayden Library
P.O. Box 871006
Tempe, Arizona 85287
(480) 965-4932

HydroGeoLogic visited this facility and reviewed its holdings of the city of Phoenix directories. Pertinent pages from the directories' Street Number and Address Guides were copied by ASU staff.

2.6 PRIVATE SOURCES

Tom Curry
23636 N. 7th Street
Phoenix, Arizona 85024
(623) 869-2353

HydroGeoLogic contacted Mr. Tom Curry at the direction of Kevin Snyder, the ADEQ project hydrologist for the site, for information regarding operations within the industrial survey boundary. Mr. Curry was a former project manager for the West Van Buren WQARF Registry site. See Appendix D for an interview summary with Mr. Curry.

**APPENDIX B
CITY DIRECTORY REVIEW RESULTS
BY BUSINESS TYPE**

**INDUSTRIAL SURVEY NO. 3
WITHIN THE
WEST VAN BUREN WQARF REGISTRY SITE**

APPENDIX B
CITY DIRECTORY REVIEW RESULTS BY BUSINESS TYPE
INDUSTRIAL SURVEY WITHIN THE
WEST VAN BUREN WQARF REGISTRY SITE

Business Type	Business Name	Address	Years of Operation
Air Conditioning Manufacturing			
	Continental Manufacturing Co	712 S 23rd Ave	1955–1959
	International Metal Products	712 S 23rd Ave	1960
	Mountaineer Manufacturing Co	2246 W Jackson St	1950–1952
Aircraft Repair			
	National Aircraft Division	320 S 19th Ave	1969–1974
	Rotorway Aircraft	2501 W Jackson St	1989–1990
	Rotorway Aircraft	300 S 25th Ave	1991–1992
	Rotorway International	300 S 25th Ave	1991
	Rotorway International	300 S 25th Ave	1993
Auto Body Repair			
	A and R Auto Body	3401 W Van Buren St	1997
	A and T Rebuilding	2048 W Grant St	1981–1987
	Alex Body Shop	3001 W Van Buren St	2002
	Als Auto Body Shop	1005 S 35th Ave	1971
	American Hammered Auto	720 S 23rd Ave	1978–1982
	Arts Paint and Body	2724 W Buckeye Rd	1981
	Audobe Auto Body	721 S 19th Ave	1991–1992
	B and M Body Shop	3038 W Buckeye Rd	1950–1951
	Bakepaint Body Shop	2919 W Buckeye Rd	1972–1973
	Bakepaint Body Shop	3011 W Buckeye Rd	1974
	Body Works	2835 W Buckeye Rd	1996
	C and C Truck Body Repair	2810 W Buckeye Rd	1971
	C and C Truck Body Repair	2801 W Buckeye Rd	1973
	C C Body Shop	2905 W Lincoln St	1998
	C C Body Shop	2933 W Lincoln St	1999–2002
	Capitol Collision Repair	902 S 19th Ave	1991–2002
	Central Auto Shop	310 S 23rd Ave	1966
	Central Auto Shop	610 S 23rd Ave	1964–1965
	Classic Car Specialists	2724 W Buckeye Rd	1982–1984
	Commercial Body and Paint Shop	721 S 19th Ave	1977–1983
	Complete Paint and Body Center	2323 W Van Buren St	1992–2002
	Coulter Cadillac	2520 W Jackson St	1957–1959
	Coulter Motor Co	2520 W Jackson St	1951–1956
	D and S Auto Body	2905 W Lincoln St	1986–1994
	D and W Auto Body Shop	2539 W Buckeye Rd	1961
	Diamond Auto Body	411 S 35th Ave	1989–1990
	El Valle Body Shop	3307 W Van Buren St	1998
	Espinoza Body Shop	2736 W Buckeye Rd	2002

Appendix B (continued)
City Directory Review Results by Business Type

Business Type	Business Name	Address	Years of Operation
Auto Body Repair (continued)			
	Fleet Painting and Body Shop	3301 W Lincoln St	1982
	Fleet Painting and Body Shop	3311 W Lincoln St	1982–1983
	Fleet Painting and Body Shop	3432 W Sherman St	1984–2002
	Floris Painting and Body Shop	2736 W Buckeye Rd	1988
	Freds Truck and Body Repair	1015 S 35th Ave	1976–1977
	Freds Truck and Body Repair	1015 S 35th Ave	1979–1980
	Goldies Auto Rebuilding and Salvage Co	602 S 23rd Ave	1952–1953
	H A Bachus	2702 W Van Buren St	1945–1946
	Hanks Body Shop	610 S 23rd Ave	1982–1983
	Hanks Body Shop	902 S 23rd Ave	1975
	Hanks Body Shop	902 S 23rd Ave	1978–1981
	Hanks Body Shop	2425 W Buckeye Rd	1988–1989
	Interstate Wreck Rebuilder	3215 W Lincoln St	1987–2002
	J and B Auto Clinic	2724 W Buckeye Rd	1968–1969
	J and O Machine and Body Shop	2826 W Van Buren St	1992
	J and O Paint and Body Shop	620 S 33rd Ave	1984–1986
	J and R Body Shop	2736 W Buckeye Rd	2000–2001
	J and R Paint and Body	2020 W Buckeye Rd	1988
	Jesses Body Shop	1938 W Buckeye Rd	1998–2002
	Jesses Body Shop	2028 W Buckeye Rd	1989
	Jesses Body Shop	2017 W Maricopa St	1990–1997
	KMA Body Shop	3190 W Van Buren St	1979–1982
	L and B Body Shop	2731 W Lincoln St	1987
	L and B Body Shop	2434 W Van Buren St	1981–1986
	L and B Body Shop	2434 W Van Buren St	1988–1990
	La Palma Auto Body and Paint	2145 W Grant St	1983–1988
	Leons Body Shop	3237 W Van Buren St	1990
	Louis Paint and Body	3029 W Buckeye Rd	1996
	M G Body Shop	2930 W Lincoln St	1997–2000
	Maaco Auto Painting and Bodyworks	2323 W Van Buren St	1974–1991
	Magic Touch Paint and Body Shop	2316 W Buckeye Rd	1982–1985
	Malverde Body Shop	5 S 35th Ave	1989–1990
	Morenos Paint and Body	2835 W Buckeye Rd	2000
	Oros Body Shop	2320 W Buckeye Rd	1991
	Oscars Body Shop	2020 W Buckeye Rd	1993–1994
	Oscars Body Shop	2724 W Buckeye Rd	1992–1995
	Oscars Body Shop	3001 W Buckeye Rd	1997–1999
	Premier Frame and Body	2425 W Sherman St	1990–1991
	Quality Paint and Body Shop	2032 W Buckeye Rd	1963
	Quintana Body Works	2835 W Buckeye Rd	1995

Appendix B (continued)
City Directory Review Results by Business Type

Business Type	Business Name	Address	Years of Operation
Auto Body Repair (concluded)			
	Rainbow Paint and Body	2726 W Van Buren St	1983–1993
	Rainbow Paint and Body	2726 W Van Buren St	1995–2000
	Raul Body Shop and Paint	3045 W Buckeye Rd	2001–2002
	Rebuild	1015 S 35th Ave	1963
	Renaissance Auto Body	2417 W Lincoln St	1986–1987
	Robertos Body Shop	2736 W Buckeye Rd	1991
	Rucos Body Shop	2316 W Buckeye Rd	1991
	Rudys Body Shop	2020 W Buckeye Rd	1989
	Rudys Body Shop	2826 W Van Buren St	1978–1980
	Sams Body Shop	2745 W Lincoln St	1990–2002
	Smokies Body and Paint	2826 W Van Buren St	1974–1975
	Sonnys Body Shop	2724 W Buckeye Rd	1986–1987
	Square Deal Garage	1015 S 35th Ave	1959
	Steves Auto Body	2316 W Buckeye Rd	1978–1980
	Steves Auto Body	2320 W Buckeye Rd	1981
	The Best Body Shop	3134 W Van Buren St	1987–1988
	The Best Body Shop	3190 W Van Buren St	1984–1986
	The Old Body Shop	3190 W Van Buren St	1983
	Tonys Auto Body	2746 W Buckeye Rd	1990
	Van Buren Auto Body	2434 W Van Buren St	1974–1975
	W and W Auto Repair and Body Shop	2802 W Buckeye Rd	1976
	Wild West Body Shop	2950 W Buckeye Rd	1982
Auto Painting Operations			
	Ace Refinishing Service	3205 W Washington St	1984–1992
	Arts Paint and Body	2724 W Buckeye Rd	1981
	Cobbs Sandblasting and Truck Painting	3311 W Lincoln St	1982
	Cobbs Truck Painting and Sandblasting	3422 W Lincoln St	1979
	Commercial Body and Paint Shop	721 S 19th Ave	1977–1983
	Complete Paint and Body Center	2323 W Van Buren St	1992–2002
	Coulter Motor Co	2520 W Jackson St	1951–1956
	Fleet Painting and Body Shop	3301 W Lincoln St	1982
	Fleet Painting and Body Shop	3311 W Lincoln St	1982–1983
	Fleet Painting and Body Shop	3432 W Sherman St	1984–2002
	Floris Painting and Body Shop	2736 W Buckeye Rd	1988
	J and O Paint and Body Shop	620 S 33rd Ave	1984–1986
	J and R Paint and Body	2020 W Buckeye Rd	1988
	La Palma Auto Body and Paint	2145 W Grant St	1983–1988
	Louis Paint and Body	3029 W Buckeye Rd	1996
	Maaco Auto Painting and Bodyworks	2323 W Van Buren St	1974–1991
	Mack and Nye	3190 W Van Buren St	1949
	Magic Touch Paint and Body Shop	2316 W Buckeye Rd	1982–1985
	Morenos Paint and Body	2835 W Buckeye Rd	2000

Appendix B (continued)
City Directory Review Results by Business Type

Business Type	Business Name	Address	Years of Operation
Auto Painting Operations (concluded)			
	Quality Paint and Body Shop	2032 W Buckeye Rd	1963
	Rainbow Paint and Body	2726 W Van Buren St	1983–1993
	Rainbow Paint and Body	2726 W Van Buren St	1995–2000
	Raul Body Shop and Paint	3045 W Buckeye Rd	2001–2002
	Raymond Martin	3190 W Van Buren St	1950
	Smokies Body and Paint	2826 W Van Buren St	1974–1975
	Square Deal Garage	1015 S 35th Ave	1959
	Square Deal Paint Shop	1015 S 35th Ave	1952
Auto Repair			
	Andys Transmission Specialists	2316 W Buckeye Rd	1987
	D and D Diesel Repair	1011 S 19th Ave	1992–1995
	F and R Truck and Trailer Repair	1027 S 25th Ave	1989–1990
	Fast Diesel and Auto	2210 W Jackson St	1972
	Franks Standard and Automatic	411 S 31st Ave	2000–2001
	Hi-Tech Transmissions	1 N 35th Ave	1992–1997
	Japanese Engines	2018 W Buckeye Rd	1991
	M Y Auto and Diesel Repair	3111 W Harrison St	1999–2000
	Macs Diesel Service	610 S 23rd Ave	1971
	Maricopa Tractor Co	2106 W Grant St	1970–1974
	Mobile Diesel Repair	2149 W Buckeye Rd	1981–1982
	Motor Works	126 N 28th Ave	1990
	Nates Diesel Service	2802 W Buckeye Rd	1985
	Petes Diesel Repair	2628 W Van Buren St	1998
	Phoenix Motor Works	126 N 28th Ave	1991
	Pruetts Automatic Transmission	2950 W Buckeye Rd	1969
	Pruetts Automatic Transmission	2950 W Buckeye Rd	1971
	Pruetts Automatic Transmission	2950 W Buckeye Rd	1976–1977
	Pruetts Automatic Transmission	2950 W Buckeye Rd	1979–2002
	Sun Motor Exchange	2214 W Washington St	1958
	T and C Truck and Trailer Service	2539 W Buckeye Rd	1982–1995
	Truck Works	3212 W Sherman St	2000–2002
	Truck Works	3216 W Sherman St	1998–1999
	Valley Diesel Service	2032 W Buckeye Rd	1975–1977
	Waynes Truck Service	2822 W Buckeye Rd	1971
Chemical Manufacturing and Distribution			
	Action Chemical Co	2547 W Jackson St	1996
	Apex Chemical Corp	2547 W Jackson St	1997–1998
	Arizona Chemical Co	2008 W Jackson St	1948
	Atlas Powder Agency	490 S 19th Ave	1938–1946
	Commander Chemical and Supply Co Inc	2020 W Buckeye Rd	1962–1969
	Hanson-Loran Chemical	3401 W Buckeye Rd	1982
	Pacific Chemical Co	2011 W Jackson St	1949

Appendix B (continued)
City Directory Review Results by Business Type

Business Type	Business Name	Address	Years of Operation
Chemical Manufacturing and Distribution (concluded)			
	Rankin Oil and Chemical	2335 W Sherman St	1985
	Taylor Chemical Co	2547 W Jackson St	1958
	Valley Agro-Chem	1918 W Van Buren St	1962
Dry Cleaning Operations			
	Aero Cleaners	3131 W Van Buren St	1950–1967
	Agency Dry Cleaners	1902 W Hadley St	1951
	Artistic Cleaners	928 S 19th Ave	1953
	Bella Vista Drapery Cleaners and Interiors	2850 W Van Buren St	1970–1989
	Bella Vista Specialized Cleaners	2850 W Van Buren St	1962–1969
	Bowmans Cleaners	2850 W Van Buren St	1952–1960
	Bowmans Cleaners	2850 W Van Buren St	1962
	Buckeye Road Cleaners	2901 W Buckeye Rd	2002
	Classy Cleaners	2942 W Buckeye Rd	1951
	Complete Laundry and Dry Cleaning	1128 S 35th Ave	1971
	Dot Cleaners	2010 W Van Buren St	1957–1968
	Golden Star Cleaners	2445 W Washington St	1948
	H and I Laundry and Dry Cleaners	3371 W Van Buren St	1959–1962
	Hess Laundry and Dry Cleaners	1110 S 23rd Ave	1953
	Holiday Cleaners and Laundry	2909 W Van Buren St	1978–1993
	Laundry Dry Cleaning	3127 W Van Buren St	1971
	Master Cleaners	3000 W Van Buren St	1951
	McKeans Laundry and Dry Cleaners	2010 W Van Buren St	1951
	Nifty Cleaners	2040 W Buckeye Rd	1949
	Palms Cleaners	928 S 19th Ave	1952
	Piro Dry Cleaners	3313 W Van Buren St	1951
	Quality Cleaners	2848 W Van Buren St	1961
	Quality Cleaners	2850 W Van Buren St	1961–1968
	Sav-N-Takit Dry Cleaners	3442 W Van Buren St	1971
	Sav-N-Takit Dry Cleaners	3442 W Van Buren St	1973
	Sav-N-Takit Quality Dry Cleaning	3302 W Van Buren St	1963–1967
	Sheridan Tailors and Cleaners	2010 W Van Buren St	1952
	Shorts Cleaners	3313 W Van Buren St	1950
	Shorts Cleaners	3357 W Van Buren St	1952–1955
	Supermat Laundry and Dry Cleaning	1128 S 35th Ave	1978
	Vogue Cleaners	3000 W Van Buren St	1947
	Westside Norge Village	3102 W Van Buren St	1964–1969

Appendix B (continued)
City Directory Review Results by Business Type

Business Type	Business Name	Address	Years of Operation
Foundry Operations			
	Arizona Iron Works	301 S 19th Ave	1935–1953
	Armstrong Manufacturing	2315 W Van Buren St	1945–1946
	Desanno Foundry	300 S 25th Ave	1992
	Desanno Foundry	2501 W Jackson St	1993–1995
	Rotorway Foundries	2501 W Jackson St	1989
	Service Brass Foundry	2501 W Jackson St	2001–2002
Fumigant Production and Use			
	Allied Grain Co	310 S 24th Ave	1946–1956
	Allied Seed and Grain Co	310 S 24th Ave	1957–1961
	Continental Grain Co	310 S 24th Ave	1960–1962
	Crowley Pest Control	2801 W Van Buren St	1965–1966
	Feeders Grain Co Inc	310 S 24th Ave	1963–2002
	Francies Date Co	2125 W Jackson St	1958–1999
	Spray-Dust	2550 W Van Buren St	1951–1952
Insecticide Production and Formulation			
	Crowley Pest Control	2801 W Van Buren St	1965–1966
	Spray-Dust	2550 W Van Buren St	1951–1952
Manufacturing Operations			
	Abridge Tool and Manufacturing	3406 W Buckeye Rd	1972–1975
	Apache Iron Works	1919 W Grant St	1953
	Arizona Carburetor Manufacturing	2040 W Buckeye Rd	2000–2001
	Arizona Carburetor Manufacturing	2046 W Buckeye Rd	2002
	Arizona Mobile Office Manufacturing	2148 W Van Buren St	1972–1983
	Blandin Camper Manufacturing	2519 W Jackson St	1972–1974
	Certified Machine and Manufacturing Inc	2032 W Buckeye Rd	1981
	Clements Tool and Engineering	3207 W Harrison St	1969–1992
	Cotton Gin Supply Co	2827 W Van Buren St	1963–1969
	E H Goetz Manufacturing Co	2541 W Buckeye Rd	1968
	Engle and Hoskin Inc	2034 W Jackson St	1998–2002
	Engle and Hoskin Radiator Exchange Inc	2034 W Jackson St	1959–1997
	Grand Avenue Auto Parts	602 S 23rd Ave	1965–1974
	M-D Electric Parts Manufacturing Co	2821 W Van Buren St	1977
	M-D Electric Parts Manufacturing Co	2821 W Van Buren St	1979–1980
	M-D Electric Parts Manufacturing Co	2821 W Van Buren St	1982–1983
	Minder Gear and Transmission Co	2347 W Lincoln St	1961–1964
	Play Boy Campers Inc	2148 W Van Buren St	1969–1972
	Porta House Inc	3100 W Buckeye Rd	1990
	Porta House Inc	2150 W Van Buren St	1972–1989
	Precision Manufacturing Co	2341 W Sherman St	1960

Appendix B (continued)
City Directory Review Results by Business Type

Business Type	Business Name	Address	Years of Operation
Manufacturing Operations (concluded)			
	Ray and Bobs Trucks and Salvage	101 S 35th Ave	1970–1993
	Screw Works Manufacturing Inc	2206 W Sherman St	1996–1997
	Venus Manufacturing Co	2315 W Van Buren St	1970–1972
	Vernon Tool Co of Arizona	710 S 35th Ave	1950–1963
Metal Fabrication and Plating—Aluminum			
	Allison Steel Manufacturing Co	420 S 19th Ave	1964–1967
	Allison Steel Manufacturing Co	490 S 19th Ave	1935–1953
	Allison Steel Manufacturing Co	498 S 19th Ave	1956
	Allison Steel Manufacturing Co	499 S 19th Ave	1952–1955
	Allison Steel Manufacturing Co	499 S 19th Ave	1957–1963
	Araco Manufacturing Co	2344 W Sherman St	1957
	Service Aluminum	2501 W Jackson St	1996–2000
	Valley Aluminum Co	2032 W Buckeye Rd	1971
	VRP Fabrication	2320 W Buckeye Rd	1977–1980
Metal Fabrication and Plating—Non-Aluminum			
	AAA Fabricators	3300 W Buckeye Rd	1974–1975
	Ace Refinishing Service	3205 W Washington St	1984–1992
	Allied Industries	2506 W Jackson St	1960–1962
	Allied Metals	2119 W Buckeye Rd	1970–1978
	Allied Porcerell Inc	1921 W Grant St	1955–1956
	Alpine Steel Inc	2101 W Jackson St	1994–2002
	Anco Fabricators	3340 W Lincoln St	1992–1993
	Arizona Rebar Inc	2101 W Jackson St	1991–1993
	Arizona Rebar Inc	2117 W Jackson St	1991
	Arizona Sheet Fabrications	2519 W Jackson St	2001–2002
	Arizona Sheet Fabrications	310 S 24th Ave	1994–2000
	Armor Metals Inc	3040 W Buckeye Rd	1970–1991
	Armor Retinning Works	3040 W Buckeye Rd	1961
	Barrys Chrome Shop	431 S 31st Ave	1982–1985
	Bear River Steel	2101 W Jackson St	1984–1988
	Bear River Steel	2117 W Jackson St	1989–1990
	C and C Fabrications	1018 S 27th Ave	1981
	Cals Sheet Metal	2347 W Lincoln St	1987–1988
	Certified Machine and Manufacturing Inc	2021 W Buckeye Rd	1982–1988
	Certified Machine and Manufacturing Inc	2028 W Buckeye Rd	1983–1987
	Chetco Steel	3131 W Harrison St	1987–1990
	Chetco Steel	3131 W Harrison St	1992–2002
	Circle Metals Co	550 S 35th Ave	1982
	Coates Steel Co	301 S 19th Ave	1950–1951
	Consolidated Rebar Inc	321 S 27th Ave	1997–2002
	Consolidated Rebar Inc	2601 W Jackson St	1995–1996

Appendix B (continued)
City Directory Review Results by Business Type

Business Type	Business Name	Address	Years of Operation
Metal Fabrication and Plating—Non-Aluminum (continued)			
	Custom Metal Finishing	801 S 25th Ave	1990–1991
	Desert Steel Co Inc	2103 W Jefferson St	1970
	Desert Steel Co Inc	2101 W Jefferson St	1971
	Desert Steel Co Inc	2101 W Jefferson St	1973
	Designers Manufacturing Corp	602 S 23rd Ave	1948
	Diamond Perforated Metal	550 S 35th Ave	1982
	Fab Four Steel Inc	2601 W Jackson St	1998–2001
	Folsum Metals	1948 W Van Buren St	1992
	Harris Arizona Rebar Inc	2101 W Jackson St	1994–2002
	Hi Tech Fabrication and Welding	2709 W Lincoln St	1986–1990
	Hi Tech Fabrication and Welding	3040 W Lincoln St	1990–2002
	Hi Tech Fabrication and Welding	3224 W Lincoln St	2001–2002
	Hughes Converters	1102 S 23rd Ave	1978–1986
	J D Steel Co Inc	2101 W Jackson St	1984–2002
	J D Steel Co Inc	2101 W Jefferson St	1971–1980
	Kema Steel Inc	3137 W Lincoln St	1981–1990
	Louies Black Oxide	2008 W Jackson St	1991–2002
	Mapco Core and Metals	2040 W Buckeye Rd	1996–1998
	Marathon Steel	620 S 19th Ave	1974–1975
	McDowell Steel Co	2601 W Jackson St	1962
	McDowell Steel Co	2601 W Jackson St	1970–1982
	Mohawk Steel	2519 W Jackson St	1970
	National Iron and Metal Co	320 S 19th Ave	1941–1943
	National Iron and Metal Co	320 S 19th Ave	1946–1952
	National Metals Co	320 S 19th Ave	1953–2002
	National Steel and Construction Co	320 S 19th Ave	1953–1974
	Navajo Steel	2401 W Madison St	1998–2002
	Olson Erectors	321 S 27th Ave	1986–1992
	Olson Steel Co	2609 W Jackson St	1974–1986
	P and M Steel Fabrication Co	212 S 25th Ave	1959
	Paradise Rebar	2609 W Jackson St	1997–2002
	Phoenix Chrome Specialty	2121 W Buckeye Rd	1989
	Phoenix Steel Manufacturing Co	2601 W Jackson St	1961–1985
	Pioneer Heating and Cooling	3001 W Van Buren St	1958–1961
	R and D Fabricating	2609 W Jackson St	1988–1991
	R E Eade	2716 W Van Buren St	1949
	Republic Steel Corp	2547 W Jackson St	1961–1963
	Reynolds Metals Co	301 S 19th Ave	1964–1977
	Richwood Metals Corp	2733 W Buckeye Rd	1983–1988
	Ring of Steel	3031 W Lincoln St	1978
	Ring of Steel	3031 W Lincoln St	1981–1982

Appendix B (continued)
City Directory Review Results by Business Type

Business Type	Business Name	Address	Years of Operation
Metal Fabrication and Plating—Non-Aluminum (concluded)			
	S Diamond Steel	2506 W Jackson St	2002
	Schuff Steel Co	420 S 19th Ave	1987–2002
	Sentry Steel Inc	2117 W Jackson St	1984–1985
	Skyline Metal	3207 W Harrison St	1995–2002
	Solar Steel	3131 W Harrison St	2000–2002
	Southwest Manufacturing Co Inc	2114 W Madison St	1963
	Southwest Metal Industries	710 S 35th Ave	1964–1971
	Statewide Steel	2601 W Jackson St	1986
	Steel Erection and Maintenance	2709 W Lincoln St	1982–2002
	Steel Fabricators	2032 W Buckeye Rd	1987
	Steel Motions Co	720 S 23rd Ave	1983–1986
	Steel Motions Co	2306 W Sherman St	1982
	Steel Specialists Inc	3103 W Lincoln St	1996–2002
	Stud Welding Specialists	2040 W Buckeye Rd	1982–1983
	Sun Plating	401 S 31st Ave	1981–1982
	Sun Plating Enterprises	3308 W Sherman St	1984–1986
	Sunshine Steel Products	2609 W Jackson St	1981–1987
	T and J Steel Co	3210 W Lincoln St	1982–1988
	TRW Steel Works Inc	3137 W Lincoln St	1992–2002
	TRW Steel Works Inc	3310 W Sherman St	1984–1991
	Verlin Co Inc	3309 W Lincoln St	1983
	Viking Steel	321 S 27th Ave	1986–1992
	Western Fabricators Inc	2506 W Jackson St	1963–2002
	Young Steel Buildings	212 S 25th Ave	1955
Plastic Manufacturing			
	A-1 Film and Tarp Co	2530 W Buckeye Rd	1996–2000
	A-1 Poly Arizona Bag	2540 W Buckeye Rd	1996–1997
	A-1 Polyethylene Film	2530 W Buckeye Rd	1981–1995
	A-1 Polyethylene Film	2540 W Buckeye Rd	1984–1995
	A-1 Polyethylene Sheeting and Tarp Co	2530 W Buckeye Rd	1972–1980
	A-1 Polyethylene Sheeting and Tarp Co	2540 W Buckeye Rd	1981–1983
	Apache Plastics Inc	2547 W Jackson St	1976
	Arizona Plastic Extrusion Co	2547 W Jackson St	1966–1973
	Finn Industries Inc	2547 W Jackson St	1977–1992
	Fortune Plastics Arizona	3401 W Buckeye Rd	1992–1997
	Poly-Flex Inc	3401 W Buckeye Rd	1980–1991
Potential Fleet Maintenance			
	Arizona Fleet Service	3001 W Van Buren St	1979

Appendix B (concluded)
City Directory Review Results by Business Type

Business Type	Business Name	Address	Years of Operation
Printing Operations			
	Business Printing Service	3344 W Buckeye Rd	1961
	Business Printing Service	3344 W Buckeye Rd	1963
	D and C Printing Co	2006 W Van Buren St	1971
	Globe Ticket Co	3315 W Buckeye Rd	1967–1969
	Pryor Printers	2608 W Van Buren St	1935–1938
	RRR Print Shop	2826 W Van Buren St	1986
	Taylors Printing	3033 W Van Buren St	1974–1975
Textile Processing and Manufacturing			
	Venus Sales Co	3315 W Buckeye Rd	1978–1982
Transformers			
	M-D Electric Parts Manufacturing Co	2821 W Van Buren St	1977
	M-D Electric Parts Manufacturing Co	2821 W Van Buren St	1979–1980
	M-D Electric Parts Manufacturing Co	2821 W Van Buren St	1982–1983
Vulcanizing Operations			
	Arizona Industrial Retreading	420 S 35th Ave	1984–1994
	Firestone Mastercraft	3333 W Buckeye Rd	1989–1991
	Firestone Tire and Rubber Co	3333 W Buckeye Rd	1980–1988
	Firestone Truck and Farm	3333 W Buckeye Rd	1992–1994
	Goodyear Retread Plant	420 S 35th Ave	1972–1982
	Superior Retreading	420 S 35th Ave	1984–1993

Appendix C

APPENDIX C
CITY DIRECTORY REVIEW RESULTS
BY CONTAMINANTS OF CONCERN

INDUSTRIAL SURVEY NO. 3
WITHIN THE
WEST VAN BUREN WQARF REGISTRY SITE

APPENDIX C
CITY DIRECTORY REVIEW RESULTS
BY CONTAMINANTS OF CONCERN
INDUSTRIAL SURVEY WITHIN THE
WEST VAN BUREN WQARF REGISTRY SITE

Chemical	Business Type	Business Name	Address	Years of Operation
DCA				
	Air Conditioning Manufacturing			
		Continental Manufacturing Co	712 S 23rd Ave	1955-1959
		International Metal Products	712 S 23rd Ave	1960
		Mountaineer Manufacturing Co	2246 W Jackson St	1950-1952
	Aircraft Repair			
		National Aircraft Division	320 S 19th Ave	1969-1974
		Rotorway Aircraft	300 S 25th Ave	1991-1992
		Rotorway Aircraft	2501 W Jackson St	1989-1990
		Rotorway International	300 S 25th Ave	1991
		Rotorway International	300 S 25th Ave	1993
	Auto Body Repair			
		A and R Auto Body	3401 W Van Buren St	1997
		A and T Rebuilding	2048 W Grant St	1981-1987
		Alex Body Shop	3001 W Van Buren St	2002
		Als Auto Body Shop	1005 S 35th Ave	1971
		American Hammered Auto	720 S 23rd Ave	1978-1982
		Arts Paint and Body	2724 W Buckeye Rd	1981
		Audobe Auto Body	721 S 19th Ave	1991-1992
		B and M Body Shop	3038 W Buckeye Rd	1950-1951
		Bakepaint Body Shop	2919 W Buckeye Rd	1972-1973
		Bakepaint Body Shop	3011 W Buckeye Rd	1974
		Body Works	2835 W Buckeye Rd	1996
		C and C Truck Body Repair	2801 W Buckeye Rd	1973
		C and C Truck Body Repair	2810 W Buckeye Rd	1971
		C C Body Shop	2905 W Lincoln St	1998
		C C Body Shop	2933 W Lincoln St	1999-2002
		Capitol Collision Repair	902 S 19th Ave	1991-2002
		Central Auto Shop	310 S 23rd Ave	1966
		Central Auto Shop	610 S 23rd Ave	1964-1965
		Classic Car Specialists	2724 W Buckeye Rd	1982-1984
		Commercial Body and Paint Shop	721 S 19th Ave	1977-1983
		Complete Paint and Body Center	2323 W Van Buren St	1992-2002
		Coulter Cadillac	2520 W Jackson St	1957-1959
		Coulter Motor Co	2520 W Jackson St	1951-1956
		D and S Auto Body	2905 W Lincoln St	1986-1994
		D and W Auto Body Shop	2539 W Buckeye Rd	1961

Appendix C (continued)
City Directory Review Results by Contaminants of Concern

Chemical	Business Type	Business Name	Address	Years of Operation
DCA (continued)				
	Auto Body Repair (continued)			
		Diamond Auto Body	411 S 35th Ave	1989–1990
		El Valle Body Shop	3307 W Van Buren St	1998
		Espinoza Body Shop	2736 W Buckeye Rd	2002
		Fleet Painting and Body Shop	3301 W Lincoln St	1982
		Fleet Painting and Body Shop	3311 W Lincoln St	1982–1983
		Fleet Painting and Body Shop	3432 W Sherman St	1984–2002
		Floris Painting and Body Shop	2736 W Buckeye Rd	1988
		Freds Truck and Body Repair	1015 S 35th Ave	1976–1977
		Freds Truck and Body Repair	1015 S 35th Ave	1979–1980
		Goldies Auto Rebuilding and Salvage Co	602 S 23rd Ave	1952–1953
		H A Bachus	2702 W Van Buren St	1945–1946
		Hanks Body Shop	610 S 23rd Ave	1982–1983
		Hanks Body Shop	902 S 23rd Ave	1975
		Hanks Body Shop	902 S 23rd Ave	1978–1981
		Hanks Body Shop	2425 W Buckeye Rd	1988–1989
		Interstate Wreck Rebuilder	3215 W Lincoln St	1987–2002
		J and B Auto Clinic	2724 W Buckeye Rd	1968–1969
		J and O Machine and Body Shop	2826 W Van Buren St	1992
		J and O Paint and Body Shop	620 S 33rd Ave	1984–1986
		J and R Body Shop	2736 W Buckeye Rd	2000–2001
		J and R Paint and Body	2020 W Buckeye Rd	1988
		Jesses Body Shop	1938 W Buckeye Rd	1998–2002
		Jesses Body Shop	2028 W Buckeye Rd	1989
		Jesses Body Shop	2017 W Maricopa St	1990–1997
		KMA Body Shop	3190 W Van Buren St	1979–1982
		L and B Body Shop	2731 W Lincoln St	1987
		L and B Body Shop	2434 W Van Buren St	1981–1986
		L and B Body Shop	2434 W Van Buren St	1988–1990
		La Palma Auto Body and Paint	2145 W Grant St	1983–1988
		Leons Body Shop	3237 W Van Buren St	1990
		Louis Paint and Body	3029 W Buckeye Rd	1996
		M G Body Shop	2930 W Lincoln St	1997–2000
		Maaco Auto Painting and Bodyworks	2323 W Van Buren St	1974–1991
		Magic Touch Paint and Body Shop	2316 W Buckeye Rd	1982–1985
		Malverde Body Shop	5 S 35th Ave	1989–1990
		Morenos Paint and Body	2835 W Buckeye Rd	2000
		Oros Body Shop	2320 W Buckeye Rd	1991
		Oscars Body Shop	2020 W Buckeye Rd	1993–1994
		Oscars Body Shop	2724 W Buckeye Rd	1992–1995
		Oscars Body Shop	3001 W Buckeye Rd	1997–1999

Appendix C (continued)
City Directory Review Results by Contaminants of Concern

Chemical	Business Type	Business Name	Address	Years of Operation
DCA (continued)				
Auto Body Repair (concluded)				
		Premier Frame and Body	2425 W Sherman St	1990–1991
		Quality Paint and Body Shop	2032 W Buckeye Rd	1963
		Quintana Body Works	2835 W Buckeye Rd	1995
		Rainbow Paint and Body	2726 W Van Buren St	1983–1993
		Rainbow Paint and Body	2726 W Van Buren St	1995–2000
		Raul Body Shop and Paint	3045 W Buckeye Rd	2001–2002
		Rebuild	1015 S 35th Ave	1963
		Renaissance Auto Body	2417 W Lincoln St	1986–1987
		Robertos Body Shop	2736 W Buckeye Rd	1991
		Rucos Body Shop	2316 W Buckeye Rd	1991
		Rudys Body Shop	2020 W Buckeye Rd	1989
		Rudys Body Shop	2826 W Van Buren St	1978–1980
		Sams Body Shop	2745 W Lincoln St	1990–2002
		Smokies Body and Paint	2826 W Van Buren St	1974–1975
		Sonnys Body Shop	2724 W Buckeye Rd	1986–1987
		Square Deal Garage	1015 S 35th Ave	1959
		Steves Auto Body	2316 W Buckeye Rd	1978–1980
		Steves Auto Body	2320 W Buckeye Rd	1981
		The Best Body Shop	3134 W Van Buren St	1987–1988
		The Best Body Shop	3190 W Van Buren St	1984–1986
		The Old Body Shop	3190 W Van Buren St	1983
		Tonys Auto Body	2746 W Buckeye Rd	1990
		Van Buren Auto Body	2434 W Van Buren St	1974–1975
		W and W Auto Repair and Body Shop	2802 W Buckeye Rd	1976
		Wild West Body Shop	2950 W Buckeye Rd	1982
Auto Painting Operations				
		Ace Refinishing Service	3205 W Washington St	1984–1992
		Arts Paint and Body	2724 W Buckeye Rd	1981
		Cobbs Sandblasting and Truck Painting	3311 W Lincoln St	1982
		Cobbs Truck Painting and Sandblasting	3422 W Lincoln St	1979
		Commercial Body and Paint Shop	721 S 19th Ave	1977–1983
		Complete Paint and Body Center	2323 W Van Buren St	1992–2002
		Coulter Motor Co	2520 W Jackson St	1951–1956
		Fleet Painting and Body Shop	3301 W Lincoln St	1982
		Fleet Painting and Body Shop	3311 W Lincoln St	1982–1983
		Fleet Painting and Body Shop	3432 W Sherman St	1984–2002
		Floris Painting and Body Shop	2736 W Buckeye Rd	1988
		J and O Paint and Body Shop	620 S 33rd Ave	1984–1986
		J and R Paint and Body	2020 W Buckeye Rd	1988
		La Palma Auto Body and Paint	2145 W Grant St	1983–1988
		Louis Paint and Body	3029 W Buckeye Rd	1996

Appendix C (continued)
City Directory Review Results by Contaminants of Concern

Chemical	Business Type	Business Name	Address	Years of Operation
DCA (continued)				
	Auto Painting Operations (concluded)			
		Maaco Auto Painting and Bodyworks	2323 W Van Buren St	1974–1991
		Mack and Nye	3190 W Van Buren St	1949
		Magic Touch Paint and Body Shop	2316 W Buckeye Rd	1982–1985
		Morenos Paint and Body	2835 W Buckeye Rd	2000
		Quality Paint and Body Shop	2032 W Buckeye Rd	1963
		Rainbow Paint and Body	2726 W Van Buren St	1983–1993
		Rainbow Paint and Body	2726 W Van Buren St	1995–2000
		Raul Body Shop and Paint	3045 W Buckeye Rd	2001–2002
		Raymond Martin	3190 W Van Buren St	1950
		Smokies Body and Paint	2826 W Van Buren St	1974–1975
		Square Deal Garage	1015 S 35th Ave	1959
		Square Deal Paint Shop	1015 S 35th Ave	1952
	Auto Repair			
		Andys Transmission Specialists	2316 W Buckeye Rd	1987
		D and D Diesel Repair	1011 S 19th Ave	1992–1995
		F and R Truck and Trailer Repair	1027 S 25th Ave	1989–1990
		Fast Diesel and Auto	2210 W Jackson St	1972
		Franks Standard and Automatic	411 S 31st Ave	2000–2001
		Hi-Tech Transmissions	1 N 35th Ave	1992–1997
		Japanese Engines	2018 W Buckeye Rd	1991
		M Y Auto and Diesel Repair	3111 W Harrison St	1999–2000
		Macs Diesel Service	610 S 23rd Ave	1971
		Maricopa Tractor Co	2106 W Grant St	1970–1974
		Mobile Diesel Repair	2149 W Buckeye Rd	1981–1982
		Motor Works	126 N 28th Ave	1990
		Nates Diesel Service	2802 W Buckeye Rd	1985
		Petes Diesel Repair	2628 W Van Buren St	1998
		Phoenix Motor Works	126 N 28th Ave	1991
		Pruetts Automatic Transmission	2950 W Buckeye Rd	1969
		Pruetts Automatic Transmission	2950 W Buckeye Rd	1971
		Pruetts Automatic Transmission	2950 W Buckeye Rd	1976–1977
		Pruetts Automatic Transmission	2950 W Buckeye Rd	1979–2002
		Sun Motor Exchange	2214 W Washington St	1958
		T and C Truck and Trailer Service	2539 W Buckeye Rd	1982–1995
		Truck Works	3212 W Sherman St	2000–2002
		Truck Works	3216 W Sherman St	1998–1999
		Valley Diesel Service	2032 W Buckeye Rd	1975–1977
		Waynes Truck Service	2822 W Buckeye Rd	1971

Appendix C (continued)
City Directory Review Results by Contaminants of Concern

Chemical	Business Type	Business Name	Address	Years of Operation
DCA (continued)				
	Chemical Manufacturing and Distribution			
		Action Chemical Co	2547 W Jackson St	1996
		Apex Chemical Corp	2547 W Jackson St	1997–1998
		Arizona Chemical Co	2008 W Jackson St	1948
		Atlas Powder Agency	490 S 19th Ave	1938–1946
		Commander Chemical and Supply Co Inc	2020 W Buckeye Rd	1962–1969
		Hanson-Loran Chemical	3401 W Buckeye Rd	1982
		Pacific Chemical Co	2011 W Jackson St	1949
		Rankin Oil and Chemical	2335 W Sherman St	1985
		Taylor Chemical Co	2547 W Jackson St	1958
		Valley Agro-Chem	1918 W Van Buren St	1962
	Foundry Operations			
		Arizona Iron Works	301 S 19th Ave	1935–1953
		Armstrong Manufacturing	2315 W Van Buren St	1945–1946
		Desanno Foundry	300 S 25th Ave	1992
		Desanno Foundry	2501 W Jackson St	1993–1995
		Rotorway Foundries	2501 W Jackson St	1989
		Service Brass Foundry	2501 W Jackson St	2001–2002
	Fumigant Production and Use			
		Allied Grain Co	310 S 24th Ave	1946–1956
		Allied Seed and Grain Co	310 S 24th Ave	1957–1961
		Continental Grain Co	310 S 24th Ave	1960–1962
		Crowley Pest Control	2801 W Van Buren St	1965–1966
		Feeders Grain Co Inc	310 S 24th Ave	1963–2002
		Francies Date Co	2125 W Jackson St	1958–1999
		Spray-Dust	2550 W Van Buren St	1951–1952
	Insecticide Production and Formulation			
		Crowley Pest Control	2801 W Van Buren St	1965–1966
		Spray-Dust	2550 W Van Buren St	1951–1952
	Manufacturing Operations			
		Abridge Tool and Manufacturing	3406 W Buckeye Rd	1972–1975
		Apache Iron Works	1919 W Grant St	1953
		Arizona Carburetor Manufacturing	2040 W Buckeye Rd	2000–2001
		Arizona Carburetor Manufacturing	2046 W Buckeye Rd	2002
		Arizona Mobile Office Manufacturing	2148 W Van Buren St	1972–1983
		Blandin Camper Manufacturing	2519 W Jackson St	1972–1974
		Certified Machine and Manufacturing Inc	2032 W Buckeye Rd	1981
		Clements Tool and Engineering	3207 W Harrison St	1969–1992
		Cotton Gin Supply Co	2827 W Van Buren St	1963–1969
		E H Goetz Manufacturing Co	2541 W Buckeye Rd	1968
		Engle and Hoskin Inc	2034 W Jackson St	1998–2002
		Engle and Hoskin Radiator Exchange Inc	2034 W Jackson St	1959–1997

Appendix C (continued)
City Directory Review Results by Contaminants of Concern

Chemical	Business Type	Business Name	Address	Years of Operation
DCA (continued)				
	Manufacturing Operations (concluded)			
		Grand Avenue Auto Parts	602 S 23rd Ave	1965–1974
		M-D Electric Parts Manufacturing Co	2821 W Van Buren St	1977
		M-D Electric Parts Manufacturing Co	2821 W Van Buren St	1979–1980
		M-D Electric Parts Manufacturing Co	2821 W Van Buren St	1982–1983
		Minder Gear and Transmission Co	2347 W Lincoln St	1961–1964
		Play Boy Campers Inc	2148 W Van Buren St	1969–1972
		Porta House Inc	3100 W Buckeye Rd	1990
		Porta House Inc	2150 W Van Buren St	1972–1989
		Precision Manufacturing Co	2341 W Sherman St	1960
		Ray and Bobs Trucks and Salvage	101 S 35th Ave	1970–1993
		Screw Works Manufacturing Inc	2206 W Sherman St	1996–1997
		Venus Manufacturing Co	2315 W Van Buren St	1970–1972
		Vernon Tool Co of Arizona	710 S 35th Ave	1950–1963
	Metal Fabrication and Plating—Aluminum			
		Allison Steel Manufacturing Co	420 S 19th Ave	1964–1967
		Allison Steel Manufacturing Co	490 S 19th Ave	1935–1953
		Allison Steel Manufacturing Co	498 S 19th Ave	1956
		Allison Steel Manufacturing Co	499 S 19th Ave	1952–1955
		Allison Steel Manufacturing Co	499 S 19th Ave	1957–1963
		Araco Manufacturing Co	2344 W Sherman St	1957
		Service Aluminum	2501 W Jackson St	1996–2000
		Valley Aluminum Co	2032 W Buckeye Rd	1971
		VRP Fabrication	2320 W Buckeye Rd	1977–1980
	Metal Fabrication and Plating—Non-Aluminum			
		AAA Fabricators	3300 W Buckeye Rd	1974–1975
		Ace Refinishing Service	3205 W Washington St	1984–1992
		Allied Industries	2506 W Jackson St	1960–1962
		Allied Metals	2119 W Buckeye Rd	1970–1978
		Allied Porcerell Inc	1921 W Grant St	1955–1956
		Alpine Steel Inc	2101 W Jackson St	1994–2002
		Anco Fabricators	3340 W Lincoln St	1992–1993
		Arizona Rebar Inc	2101 W Jackson St	1991–1993
		Arizona Rebar Inc	2117 W Jackson St	1991
		Arizona Sheet Fabrications	2519 W Jackson St	2001–2002
		Arizona Sheet Fabrications	310 S 24th Ave	1994–2000
		Armor Metals Inc	3040 W Buckeye Rd	1970–1991
		Armor Retinning Works	3040 W Buckeye Rd	1961
		Barrys Chrome Shop	431 S 31st Ave	1982–1985
		Bear River Steel	2101 W Jackson St	1984–1988
		Bear River Steel	2117 W Jackson St	1989–1990

Appendix C (continued)
City Directory Review Results by Contaminants of Concern

Chemical	Business Type	Business Name	Address	Years of Operation
DCA (continued)				
	Metal Fabrication and Plating—Non-Aluminum (continued)			
		C and C Fabrications	1018 S 27th Ave	1981
		Cals Sheet Metal	2347 W Lincoln St	1987–1988
		Certified Machine and Manufacturing Inc	2021 W Buckeye Rd	1982–1988
		Certified Machine and Manufacturing Inc	2028 W Buckeye Rd	1983–1987
		Chetco Steel	3131 W Harrison St	1987–1990
		Chetco Steel	3131 W Harrison St	1992–2002
		Circle Metals Co	550 S 35th Ave	1982
		Coates Steel Co	301 S 19th Ave	1950–1951
		Consolidated Rebar Inc	321 S 27th Ave	1997–2002
		Consolidated Rebar Inc	2601 W Jackson St	1995–1996
		Custom Metal Finishing	801 S 25th Ave	1990–1991
		Desert Steel Co Inc	2103 W Jefferson St	1970
		Desert Steel Co Inc	2101 W Jefferson St	1971
		Desert Steel Co Inc	2101 W Jefferson St	1973
		Designers Manufacturing Corp	602 S 23rd Ave	1948
		Diamond Perforated Metal	550 S 35th Ave	1982
		Fab Four Steel Inc	2601 W Jackson St	1998–2001
		Folsum Metals	1948 W Van Buren St	1992
		Harris Arizona Rebar Inc	2101 W Jackson St	1994–2002
		Hi Tech Fabrication and Welding	2709 W Lincoln St	1986–1990
		Hi Tech Fabrication and Welding	3040 W Lincoln St	1990–2002
		Hi Tech Fabrication and Welding	3224 W Lincoln St	2001–2002
		Hughes Converters	1102 S 23rd Ave	1978–1986
		J D Steel Co Inc	2101 W Jackson St	1984–2002
		J D Steel Co Inc	2101 W Jefferson St	1971–1980
		Kema Steel Inc	3137 W Lincoln St	1981–1990
		Louies Black Oxide	2008 W Jackson St	1991–2002
		Mapco Core and Metals	2040 W Buckeye Rd	1996–1998
		Marathon Steel	620 S 19th Ave	1974–1975
		McDowell Steel Co	2601 W Jackson St	1962
		McDowell Steel Co	2601 W Jackson St	1970–1982
		Mohawk Steel	2519 W Jackson St	1970
		National Iron and Metal Co	320 S 19th Ave	1941–1943
		National Iron and Metal Co	320 S 19th Ave	1946–1952
		National Metals Co	320 S 19th Ave	1953–2002
		National Steel and Construction Co	320 S 19th Ave	1953–1974
		Navajo Steel	2401 W Madison St	1998–2002
		Olson Erectors	321 S 27th Ave	1986–1992
		Olson Steel Co	2609 W Jackson St	1974–1986

Appendix C (continued)
City Directory Review Results by Contaminants of Concern

Chemical	Business Type	Business Name	Address	Years of Operation
DCA (continued)				
	Metal Fabrication and Plating—Non-Aluminum (concluded)			
		P and M Steel Fabrication Co	212 S 25th Ave	1959
		Paradise Rebar	2609 W Jackson St	1997–2002
		Phoenix Chrome Specialty	2121 W Buckeye Rd	1989
		Phoenix Steel Manufacturing Co	2601 W Jackson St	1961–1985
		Pioneer Heating and Cooling	3001 W Van Buren St	1958–1961
		R and D Fabricating	2609 W Jackson St	1988–1991
		R E Eade	2716 W Van Buren St	1949
		Republic Steel Corp	2547 W Jackson St	1961–1963
		Reynolds Metals Co	301 S 19th Ave	1964–1977
		Richwood Metals Corp	2733 W Buckeye Rd	1983–1988
		Ring of Steel	3031 W Lincoln St	1978
		Ring of Steel	3031 W Lincoln St	1981–1982
		S Diamond Steel	2506 W Jackson St	2002
		Schuff Steel Co	420 S 19th Ave	1987–2002
		Sentry Steel Inc	2117 W Jackson St	1984–1985
		Skyline Metal	3207 W Harrison St	1995–2002
		Solar Steel	3131 W Harrison St	2000–2002
		Southwest Manufacturing Co Inc	2114 W Madison St	1963
		Southwest Metal Industries	710 S 35th Ave	1964–1971
		Statewide Steel	2601 W Jackson St	1986
		Steel Erection and Maintenance	2709 W Lincoln St	1982–2002
		Steel Fabricators	2032 W Buckeye Rd	1987
		Steel Motions Co	720 S 23rd Ave	1983–1986
		Steel Motions Co	2306 W Sherman St	1982
		Steel Specialists Inc	3103 W Lincoln St	1996–2002
		Stud Welding Specialists	2040 W Buckeye Rd	1982–1983
		Sun Plating	401 S 31st Ave	1981–1982
		Sun Plating Enterprises	3308 W Sherman St	1984–1986
		Sunshine Steel Products	2609 W Jackson St	1981–1987
		T and J Steel Co	3210 W Lincoln St	1982–1988
		TRW Steel Works Inc	3137 W Lincoln St	1992–2002
		TRW Steel Works Inc	3310 W Sherman St	1984–1991
		Verlin Co Inc	3309 W Lincoln St	1983
		Viking Steel	321 S 27th Ave	1986–1992
		Western Fabricators Inc	2506 W Jackson St	1963–2002
		Young Steel Buildings	212 S 25th Ave	1955

Appendix C (continued)
City Directory Review Results by Contaminants of Concern

Chemical	Business Type	Business Name	Address	Years of Operation
DCA (concluded)				
	Plastic Manufacturing			
		A-1 Film and Tarp Co	2530 W Buckeye Rd	1996–2000
		A-1 Poly Arizona Bag	2540 W Buckeye Rd	1996–1997
		A-1 Polyethylene Film	2530 W Buckeye Rd	1981–1995
		A-1 Polyethylene Film	2540 W Buckeye Rd	1984–1995
		A-1 Polyethylene Sheeting and Tarp Co	2530 W Buckeye Rd	1972–1980
		A-1 Polyethylene Sheeting and Tarp Co	2540 W Buckeye Rd	1981–1983
		Apache Plastics Inc	2547 W Jackson St	1976
		Arizona Plastic Extrusion Co	2547 W Jackson St	1966–1973
		Finn Industries Inc	2547 W Jackson St	1977–1992
		Fortune Plastics Arizona	3401 W Buckeye Rd	1992–1997
		Poly-Flex Inc	3401 W Buckeye Rd	1980–1991
	Potential Fleet Maintenance			
		Arizona Fleet Service	3001 W Van Buren St	1979
	Printing Operations			
		Business Printing Service	3344 W Buckeye Rd	1961
		Business Printing Service	3344 W Buckeye Rd	1963
		D and C Printing Co	2006 W Van Buren St	1971
		Globe Ticket Co	3315 W Buckeye Rd	1967–1969
		Pryor Printers	2608 W Van Buren St	1935–1938
		RRR Print Shop	2826 W Van Buren St	1986
		Taylor's Printing	3033 W Van Buren St	1974–1975
	Textile Processing and Manufacturing			
		Venus Sales Co	3315 W Buckeye Rd	1978–1982
	Vulcanizing Operations			
		Arizona Industrial Retreading	420 S 35th Ave	1984–1994
		Firestone Mastercraft	3333 W Buckeye Rd	1989–1991
		Firestone Tire and Rubber Co	3333 W Buckeye Rd	1980–1988
		Firestone Truck and Farm	3333 W Buckeye Rd	1992–1994
		Goodyear Retread Plant	420 S 35th Ave	1972–1982
		Superior Retreading	420 S 35th Ave	1984–1993
DCE				
	Air Conditioning Manufacturing			
		Continental Manufacturing Co	712 S 23rd Ave	1955–1959
		International Metal Products	712 S 23rd Ave	1960
		Mountaineer Manufacturing Co	2246 W Jackson St	1950–1952

Appendix C (continued)
City Directory Review Results by Contaminants of Concern

Chemical	Business Type	Business Name	Address	Years of Operation
DCE (continued)				
	Aircraft Repair			
		National Aircraft Division	320 S 19th Ave	1969–1974
		Rotorway Aircraft	300 S 25th Ave	1991–1992
		Rotorway Aircraft	2501 W Jackson St	1989–1990
		Rotorway International	300 S 25th Ave	1991
		Rotorway International	300 S 25th Ave	1993
	Auto Body Repair			
		A and R Auto Body	3401 W Van Buren St	1997
		A and T Rebuilding	2048 W Grant St	1981–1987
		Alex Body Shop	3001 W Van Buren St	2002
		Als Auto Body Shop	1005 S 35th Ave	1971
		American Hammered Auto	720 S 23rd Ave	1978–1982
		Arts Paint and Body	2724 W Buckeye Rd	1981
		Audobe Auto Body	721 S 19th Ave	1991–1992
		B and M Body Shop	3038 W Buckeye Rd	1950–1951
		Bakepaint Body Shop	2919 W Buckeye Rd	1972–1973
		Bakepaint Body Shop	3011 W Buckeye Rd	1974
		Body Works	2835 W Buckeye Rd	1996
		C and C Truck Body Repair	2801 W Buckeye Rd	1973
		C and C Truck Body Repair	2810 W Buckeye Rd	1971
		C C Body Shop	2905 W Lincoln St	1998
		C C Body Shop	2933 W Lincoln St	1999–2002
		Capitol Collision Repair	902 S 19th Ave	1991–2002
		Central Auto Shop	310 S 23rd Ave	1966
		Central Auto Shop	610 S 23rd Ave	1964–1965
		Classic Car Specialists	2724 W Buckeye Rd	1982–1984
		Commercial Body and Paint Shop	721 S 19th Ave	1977–1983
		Complete Paint and Body Center	2323 W Van Buren St	1992–2002
		Coulter Cadillac	2520 W Jackson St	1957–1959
		Coulter Motor Co	2520 W Jackson St	1951–1956
		D and S Auto Body	2905 W Lincoln St	1986–1994
		D and W Auto Body Shop	2539 W Buckeye Rd	1961
		Diamond Auto Body	411 S 35th Ave	1989–1990
		El Valle Body Shop	3307 W Van Buren St	1998
		Espinoza Body Shop	2736 W Buckeye Rd	2002
		Fleet Painting and Body Shop	3301 W Lincoln St	1982
		Fleet Painting and Body Shop	3311 W Lincoln St	1982–1983
		Fleet Painting and Body Shop	3432 W Sherman St	1984–2002
		Floris Painting and Body Shop	2736 W Buckeye Rd	1988
		Freds Truck and Body Repair	1015 S 35th Ave	1976–1977
		Freds Truck and Body Repair	1015 S 35th Ave	1979–1980
		Goldies Auto Rebuilding and Salvage Co	602 S 23rd Ave	1952–1953

Appendix C (continued)
City Directory Review Results by Contaminants of Concern

Chemical	Business Type	Business Name	Address	Years of Operation
DCE (continued)				
	Auto Body Repair (continued)			
		H A Bachus	2702 W Van Buren St	1945–1946
		Hanks Body Shop	610 S 23rd Ave	1982–1983
		Hanks Body Shop	902 S 23rd Ave	1975
		Hanks Body Shop	902 S 23rd Ave	1978–1981
		Hanks Body Shop	2425 W Buckeye Rd	1988–1989
		Interstate Wreck Rebuilder	3215 W Lincoln St	1987–2002
		J and B Auto Clinic	2724 W Buckeye Rd	1968–1969
		J and O Machine and Body Shop	2826 W Van Buren St	1992
		J and O Paint and Body Shop	620 S 33rd Ave	1984–1986
		J and R Body Shop	2736 W Buckeye Rd	2000–2001
		J and R Paint and Body	2020 W Buckeye Rd	1988
		Jesses Body Shop	1938 W Buckeye Rd	1998–2002
		Jesses Body Shop	2028 W Buckeye Rd	1989
		Jesses Body Shop	2017 W Maricopa St	1990–1997
		KMA Body Shop	3190 W Van Buren St	1979–1982
		L and B Body Shop	2731 W Lincoln St	1987
		L and B Body Shop	2434 W Van Buren St	1981–1986
		L and B Body Shop	2434 W Van Buren St	1988–1990
		La Palma Auto Body and Paint	2145 W Grant St	1983–1988
		Leons Body Shop	3237 W Van Buren St	1990
		Louis Paint and Body	3029 W Buckeye Rd	1996
		M G Body Shop	2930 W Lincoln St	1997–2000
		Maaco Auto Painting and Bodyworks	2323 W Van Buren St	1974–1991
		Magic Touch Paint and Body Shop	2316 W Buckeye Rd	1982–1985
		Malverde Body Shop	5 S 35th Ave	1989–1990
		Morenos Paint and Body	2835 W Buckeye Rd	2000
		Oros Body Shop	2320 W Buckeye Rd	1991
		Oscars Body Shop	2020 W Buckeye Rd	1993–1994
		Oscars Body Shop	2724 W Buckeye Rd	1992–1995
		Oscars Body Shop	3001 W Buckeye Rd	1997–1999
		Premier Frame and Body	2425 W Sherman St	1990–1991
		Quality Paint and Body Shop	2032 W Buckeye Rd	1963
		Quintana Body Works	2835 W Buckeye Rd	1995
		Rainbow Paint and Body	2726 W Van Buren St	1983–1993
		Rainbow Paint and Body	2726 W Van Buren St	1995–2000
		Raul Body Shop and Paint	3045 W Buckeye Rd	2001–2002
		Rebuild	1015 S 35th Ave	1963
		Renaissance Auto Body	2417 W Lincoln St	1986–1987
		Robertos Body Shop	2736 W Buckeye Rd	1991
		Rucos Body Shop	2316 W Buckeye Rd	1991

Appendix C (continued)
City Directory Review Results by Contaminants of Concern

Chemical	Business Type	Business Name	Address	Years of Operation
DCE (continued)				
	Auto Body Repair (concluded)			
		Rudys Body Shop	2020 W Buckeye Rd	1989
		Rudys Body Shop	2826 W Van Buren St	1978–1980
		Sams Body Shop	2745 W Lincoln St	1990–2002
		Smokies Body and Paint	2826 W Van Buren St	1974–1975
		Sonnys Body Shop	2724 W Buckeye Rd	1986–1987
		Square Deal Garage	1015 S 35th Ave	1959
		Steves Auto Body	2316 W Buckeye Rd	1978–1980
		Steves Auto Body	2320 W Buckeye Rd	1981
		The Best Body Shop	3134 W Van Buren St	1987–1988
		The Best Body Shop	3190 W Van Buren St	1984–1986
		The Old Body Shop	3190 W Van Buren St	1983
		Tonys Auto Body	2746 W Buckeye Rd	1990
		Van Buren Auto Body	2434 W Van Buren St	1974–1975
		W and W Auto Repair and Body Shop	2802 W Buckeye Rd	1976
		Wild West Body Shop	2950 W Buckeye Rd	1982
	Auto Painting Operations			
		Ace Refinishing Service	3205 W Washington St	1984–1992
		Arts Paint and Body	2724 W Buckeye Rd	1981
		Cobbs Sandblasting and Truck Painting	3311 W Lincoln St	1982
		Cobbs Truck Painting and Sandblasting	3422 W Lincoln St	1979
		Commercial Body and Paint Shop	721 S 19th Ave	1977–1983
		Complete Paint and Body Center	2323 W Van Buren St	1992–2002
		Coulter Motor Co	2520 W Jackson St	1951–1956
		Fleet Painting and Body Shop	3301 W Lincoln St	1982
		Fleet Painting and Body Shop	3311 W Lincoln St	1982–1983
		Fleet Painting and Body Shop	3432 W Sherman St	1984–2002
		Floris Painting and Body Shop	2736 W Buckeye Rd	1988
		J and O Paint and Body Shop	620 S 33rd Ave	1984–1986
		J and R Paint and Body	2020 W Buckeye Rd	1988
		La Palma Auto Body and Paint	2145 W Grant St	1983–1988
		Louis Paint and Body	3029 W Buckeye Rd	1996
		Maaco Auto Painting and Bodyworks	2323 W Van Buren St	1974–1991
		Mack and Nye	3190 W Van Buren St	1949
		Magic Touch Paint and Body Shop	2316 W Buckeye Rd	1982–1985
		Morenos Paint and Body	2835 W Buckeye Rd	2000
		Quality Paint and Body Shop	2032 W Buckeye Rd	1963
		Rainbow Paint and Body	2726 W Van Buren St	1983–1993
		Rainbow Paint and Body	2726 W Van Buren St	1995–2000
		Raul Body Shop and Paint	3045 W Buckeye Rd	2001–2002
		Raymond Martin	3190 W Van Buren St	1950

Appendix C (continued)
City Directory Review Results by Contaminants of Concern

Chemical	Business Type	Business Name	Address	Years of Operation
DCE (continued)				
	Auto Painting Operations (concluded)			
		Smokies Body and Paint	2826 W Van Buren St	1974–1975
		Square Deal Garage	1015 S 35th Ave	1959
		Square Deal Paint Shop	1015 S 35th Ave	1952
	Auto Repair			
		Andys Transmission Specialists	2316 W Buckeye Rd	1987
		D and D Diesel Repair	1011 S 19th Ave	1992–1995
		F and R Truck and Trailer Repair	1027 S 25th Ave	1989–1990
		Fast Diesel and Auto	2210 W Jackson St	1972
		Franks Standard and Automatic	411 S 31st Ave	2000–2001
		Hi-Tech Transmissions	1 N 35th Ave	1992–1997
		Japanese Engines	2018 W Buckeye Rd	1991
		M Y Auto and Diesel Repair	3111 W Harrison St	1999–2000
		Macs Diesel Service	610 S 23rd Ave	1971
		Maricopa Tractor Co	2106 W Grant St	1970–1974
		Mobile Diesel Repair	2149 W Buckeye Rd	1981–1982
		Motor Works	126 N 28th Ave	1990
		Nates Diesel Service	2802 W Buckeye Rd	1985
		Petes Diesel Repair	2628 W Van Buren St	1998
		Phoenix Motor Works	126 N 28th Ave	1991
		Pruetts Automatic Transmission	2950 W Buckeye Rd	1969
		Pruetts Automatic Transmission	2950 W Buckeye Rd	1971
		Pruetts Automatic Transmission	2950 W Buckeye Rd	1976–1977
		Pruetts Automatic Transmission	2950 W Buckeye Rd	1979–2002
		Sun Motor Exchange	2214 W Washington St	1958
		T and C Truck and Trailer Service	2539 W Buckeye Rd	1982–1995
		Truck Works	3212 W Sherman St	2000–2002
		Truck Works	3216 W Sherman St	1998–1999
		Valley Diesel Service	2032 W Buckeye Rd	1975–1977
		Waynes Truck Service	2822 W Buckeye Rd	1971
	Chemical Manufacturing and Distribution			
		Action Chemical Co	2547 W Jackson St	1996
		Apex Chemical Corp	2547 W Jackson St	1997–1998
		Arizona Chemical Co	2008 W Jackson St	1948
		Atlas Powder Agency	490 S 19th Ave	1938–1946
		Commander Chemical and Supply Co Inc	2020 W Buckeye Rd	1962–1969
		Hanson-Loran Chemical	3401 W Buckeye Rd	1982
		Pacific Chemical Co	2011 W Jackson St	1949
		Rankin Oil and Chemical	2335 W Sherman St	1985
		Taylor Chemical Co	2547 W Jackson St	1958
		Valley Agro-Chem	1918 W Van Buren St	1962

Appendix C (continued)
City Directory Review Results by Contaminants of Concern

Chemical	Business Type	Business Name	Address	Years of Operation
DCE (continued)				
		Foundry Operations		
		Arizona Iron Works	301 S 19th Ave	1935–1953
		Armstrong Manufacturing	2315 W Van Buren St	1945–1946
		Desanno Foundry	300 S 25th Ave	1992
		Desanno Foundry	2501 W Jackson St	1993–1995
		Rotorway Foundries	2501 W Jackson St	1989
		Service Brass Foundry	2501 W Jackson St	2001–2002
		Insecticide Production and Formulation		
		Crowley Pest Control	2801 W Van Buren St	1965–1966
		Spray-Dust	2550 W Van Buren St	1951–1952
		Manufacturing Operations		
		Abridge Tool and Manufacturing	3406 W Buckeye Rd	1972–1975
		Apache Iron Works	1919 W Grant St	1953
		Arizona Carburetor Manufacturing	2040 W Buckeye Rd	2000–2001
		Arizona Carburetor Manufacturing	2046 W Buckeye Rd	2002
		Arizona Mobile Office Manufacturing	2148 W Van Buren St	1972–1983
		Blandin Camper Manufacturing	2519 W Jackson St	1972–1974
		Certified Machine and Manufacturing Inc	2032 W Buckeye Rd	1981
		Clements Tool and Engineering	3207 W Harrison St	1969–1992
		Cotton Gin Supply Co	2827 W Van Buren St	1963–1969
		E H Goetz Manufacturing Co	2541 W Buckeye Rd	1968
		Engle and Hoskin Inc	2034 W Jackson St	1998–2002
		Engle and Hoskin Radiator Exchange Inc	2034 W Jackson St	1959–1997
		Grand Avenue Auto Parts	602 S 23rd Ave	1965–1974
		M-D Electric Parts Manufacturing Co	2821 W Van Buren St	1977
		M-D Electric Parts Manufacturing Co	2821 W Van Buren St	1979–1980
		M-D Electric Parts Manufacturing Co	2821 W Van Buren St	1982–1983
		Minder Gear and Transmission Co	2347 W Lincoln St	1961–1964
		Play Boy Campers Inc	2148 W Van Buren St	1969–1972
		Porta House Inc	3100 W Buckeye Rd	1990
		Porta House Inc	2150 W Van Buren St	1972–1989
		Precision Manufacturing Co	2341 W Sherman St	1960
		Ray and Bobs Trucks and Salvage	101 S 35th Ave	1970–1993
		Screw Works Manufacturing Inc	2206 W Sherman St	1996–1997
		Venus Manufacturing Co	2315 W Van Buren St	1970–1972
		Vernon Tool Co of Arizona	710 S 35th Ave	1950–1963

Appendix C (continued)
City Directory Review Results by Contaminants of Concern

Chemical	Business Type	Business Name	Address	Years of Operation
DCE (continued)				
	Metal Fabrication and Plating—Aluminum			
		Allison Steel Manufacturing Co	420 S 19th Ave	1964–1967
		Allison Steel Manufacturing Co	490 S 19th Ave	1935–1953
		Allison Steel Manufacturing Co	498 S 19th Ave	1956
		Allison Steel Manufacturing Co	499 S 19th Ave	1952–1955
		Allison Steel Manufacturing Co	499 S 19th Ave	1957–1963
		Araco Manufacturing Co	2344 W Sherman St	1957
		Service Aluminum	2501 W Jackson St	1996–2000
		Valley Aluminum Co	2032 W Buckeye Rd	1971
		VRP Fabrication	2320 W Buckeye Rd	1977–1980
	Metal Fabrication and Plating—Non-Aluminum			
		AAA Fabricators	3300 W Buckeye Rd	1974–1975
		Ace Refinishing Service	3205 W Washington St	1984–1992
		Allied Industries	2506 W Jackson St	1960–1962
		Allied Metals	2119 W Buckeye Rd	1970–1978
		Allied Porcerell Inc	1921 W Grant St	1955–1956
		Alpine Steel Inc	2101 W Jackson St	1994–2002
		Anco Fabricators	3340 W Lincoln St	1992–1993
		Arizona Rebar Inc	2101 W Jackson St	1991–1993
		Arizona Rebar Inc	2117 W Jackson St	1991
		Arizona Sheet Fabrications	2519 W Jackson St	2001–2002
		Arizona Sheet Fabrications	310 S 24th Ave	1994–2000
		Armor Metals Inc	3040 W Buckeye Rd	1970–1991
		Armor Retinning Works	3040 W Buckeye Rd	1961
		Barrys Chrome Shop	431 S 31st Ave	1982–1985
		Bear River Steel	2101 W Jackson St	1984–1988
		Bear River Steel	2117 W Jackson St	1989–1990
		C and C Fabrications	1018 S 27th Ave	1981
		Cals Sheet Metal	2347 W Lincoln St	1987–1988
		Certified Machine and Manufacturing Inc	2021 W Buckeye Rd	1982–1988
		Certified Machine and Manufacturing Inc	2028 W Buckeye Rd	1983–1987
		Chetco Steel	3131 W Harrison St	1987–1990
		Chetco Steel	3131 W Harrison St	1992–2002
		Circle Metals Co	550 S 35th Ave	1982
		Coates Steel Co	301 S 19th Ave	1950–1951
		Consolidated Rebar Inc	321 S 27th Ave	1997–2002
		Consolidated Rebar Inc	2601 W Jackson St	1995–1996
		Custom Metal Finishing	801 S 25th Ave	1990–1991
		Desert Steel Co Inc	2103 W Jefferson St	1970
		Desert Steel Co Inc	2101 W Jefferson St	1971
		Desert Steel Co Inc	2101 W Jefferson St	1973

Appendix C (continued)
City Directory Review Results by Contaminants of Concern

Chemical	Business Type	Business Name	Address	Years of Operation
DCE (continued)				
	Metal Fabrication and Plating—Non-Aluminum (continued)			
		Designers Manufacturing Corp	602 S 23rd Ave	1948
		Diamond Perforated Metal	550 S 35th Ave	1982
		Fab Four Steel Inc	2601 W Jackson St	1998–2001
		Folsum Metals	1948 W Van Buren St	1992
		Harris Arizona Rebar Inc	2101 W Jackson St	1994–2002
		Hi Tech Fabrication and Welding	2709 W Lincoln St	1986–1990
		Hi Tech Fabrication and Welding	3040 W Lincoln St	1990–2002
		Hi Tech Fabrication and Welding	3224 W Lincoln St	2001–2002
		Hughes Converters	1102 S 23rd Ave	1978–1986
		J D Steel Co Inc	2101 W Jackson St	1984–2002
		J D Steel Co Inc	2101 W Jefferson St	1971–1980
		Kema Steel Inc	3137 W Lincoln St	1981–1990
		Louies Black Oxide	2008 W Jackson St	1991–2002
		Mapco Core and Metals	2040 W Buckeye Rd	1996–1998
		Marathon Steel	620 S 19th Ave	1974–1975
		McDowell Steel Co	2601 W Jackson St	1962
		McDowell Steel Co	2601 W Jackson St	1970–1982
		Mohawk Steel	2519 W Jackson St	1970
		National Iron and Metal Co	320 S 19th Ave	1941–1943
		National Iron and Metal Co	320 S 19th Ave	1946–1952
		National Metals Co	320 S 19th Ave	1953–2002
		National Steel and Construction Co	320 S 19th Ave	1953–1974
		Navajo Steel	2401 W Madison St	1998–2002
		Olson Erectors	321 S 27th Ave	1986–1992
		Olson Steel Co	2609 W Jackson St	1974–1986
		P and M Steel Fabrication Co	212 S 25th Ave	1959
		Paradise Rebar	2609 W Jackson St	1997–2002
		Phoenix Chrome Specialty	2121 W Buckeye Rd	1989
		Phoenix Steel Manufacturing Co	2601 W Jackson St	1961–1985
		Pioneer Heating and Cooling	3001 W Van Buren St	1958–1961
		R and D Fabricating	2609 W Jackson St	1988–1991
		R E Eade	2716 W Van Buren St	1949
		Republic Steel Corp	2547 W Jackson St	1961–1963
		Reynolds Metals Co	301 S 19th Ave	1964–1977
		Richwood Metals Corp	2733 W Buckeye Rd	1983–1988
		Ring of Steel	3031 W Lincoln St	1978
		Ring of Steel	3031 W Lincoln St	1981–1982
		S Diamond Steel	2506 W Jackson St	2002
		Schuff Steel Co	420 S 19th Ave	1987–2002
		Sentry Steel Inc	2117 W Jackson St	1984–1985
		Skyline Metal	3207 W Harrison St	1995–2002

Appendix C (continued)
City Directory Review Results by Contaminants of Concern

Chemical	Business Type	Business Name	Address	Years of Operation
DCE (continued)				
	Metal Fabrication and Plating—Non-Aluminum (concluded)			
		Solar Steel	3131 W Harrison St	2000–2002
		Southwest Manufacturing Co Inc	2114 W Madison St	1963
		Southwest Metal Industries	710 S 35th Ave	1964–1971
		Statewide Steel	2601 W Jackson St	1986
		Steel Erection and Maintenance	2709 W Lincoln St	1982–2002
		Steel Fabricators	2032 W Buckeye Rd	1987
		Steel Motions Co	720 S 23rd Ave	1983–1986
		Steel Motions Co	2306 W Sherman St	1982
		Steel Specialists Inc	3103 W Lincoln St	1996–2002
		Stud Welding Specialists	2040 W Buckeye Rd	1982–1983
		Sun Plating	401 S 31st Ave	1981–1982
		Sun Plating Enterprises	3308 W Sherman St	1984–1986
		Sunshine Steel Products	2609 W Jackson St	1981–1987
		T and J Steel Co	3210 W Lincoln St	1982–1988
		TRW Steel Works Inc	3137 W Lincoln St	1992–2002
		TRW Steel Works Inc	3310 W Sherman St	1984–1991
		Verlin Co Inc	3309 W Lincoln St	1983
		Viking Steel	321 S 27th Ave	1986–1992
		Western Fabricators Inc	2506 W Jackson St	1963–2002
		Young Steel Buildings	212 S 25th Ave	1955
	Plastic Manufacturing			
		A-1 Film and Tarp Co	2530 W Buckeye Rd	1996–2000
		A-1 Poly Arizona Bag	2540 W Buckeye Rd	1996–1997
		A-1 Polyethylene Film	2530 W Buckeye Rd	1981–1995
		A-1 Polyethylene Film	2540 W Buckeye Rd	1984–1995
		A-1 Polyethylene Sheeting and Tarp Co	2530 W Buckeye Rd	1972–1980
		A-1 Polyethylene Sheeting and Tarp Co	2540 W Buckeye Rd	1981–1983
		Apache Plastics Inc	2547 W Jackson St	1976
		Arizona Plastic Extrusion Co	2547 W Jackson St	1966–1973
		Finn Industries Inc	2547 W Jackson St	1977–1992
		Fortune Plastics Arizona	3401 W Buckeye Rd	1992–1997
		Poly-Flex Inc	3401 W Buckeye Rd	1980–1991
	Potential Fleet Maintenance			
		Arizona Fleet Service	3001 W Van Buren St	1979
	Printing Operations			
		Business Printing Service	3344 W Buckeye Rd	1961
		Business Printing Service	3344 W Buckeye Rd	1963
		D and C Printing Co	2006 W Van Buren St	1971
		Globe Ticket Co	3315 W Buckeye Rd	1967–1969

Appendix C (continued)
City Directory Review Results by Contaminants of Concern

Chemical	Business Type	Business Name	Address	Years of Operation
DCE (concluded)				
	Printing Operations (concluded)			
		Pryor Printers	2608 W Van Buren St	1935–1938
		RRR Print Shop	2826 W Van Buren St	1986
		Taylor's Printing	3033 W Van Buren St	1974–1975
	Textile Processing and Manufacturing			
		Venus Sales Co	3315 W Buckeye Rd	1978–1982
	Vulcanizing Operations			
		Arizona Industrial Retreading	420 S 35th Ave	1984–1994
		Firestone Mastercraft	3333 W Buckeye Rd	1989–1991
		Firestone Tire and Rubber Co	3333 W Buckeye Rd	1980–1988
		Firestone Truck and Farm	3333 W Buckeye Rd	1992–1994
		Goodyear Retread Plant	420 S 35th Ave	1972–1982
		Superior Retreading	420 S 35th Ave	1984–1993
PCE				
	Chemical Manufacturing and Distribution			
		Action Chemical Co	2547 W Jackson St	1996
		Apex Chemical Corp	2547 W Jackson St	1997–1998
		Arizona Chemical Co	2008 W Jackson St	1948
		Atlas Powder Agency	490 S 19th Ave	1938–1946
		Commander Chemical and Supply Co Inc	2020 W Buckeye Rd	1962–1969
		Hanson-Loran Chemical	3401 W Buckeye Rd	1982
		Pacific Chemical Co	2011 W Jackson St	1949
		Rankin Oil and Chemical	2335 W Sherman St	1985
		Taylor Chemical Co	2547 W Jackson St	1958
		Valley Agro-Chem	1918 W Van Buren St	1962
	Dry Cleaning Operations			
		Aero Cleaners	3131 W Van Buren St	1950–1967
		Agency Dry Cleaners	1902 W Hadley St	1951
		Artistic Cleaners	928 S 19th Ave	1953
		Bella Vista Drapery Cleaners and Interiors	2850 W Van Buren St	1970–1989
		Bella Vista Specialized Cleaners	2850 W Van Buren St	1962–1969
		Bowmans Cleaners	2850 W Van Buren St	1952–1960
		Bowmans Cleaners	2850 W Van Buren St	1962
		Buckeye Road Cleaners	2901 W Buckeye Rd	2002
		Classy Cleaners	2942 W Buckeye Rd	1951
		Complete Laundry and Dry Cleaning	1128 S 35th Ave	1971
		Dot Cleaners	2010 W Van Buren St	1957–1968
		Golden Star Cleaners	2445 W Washington St	1948
		H and I Laundry and Dry Cleaners	3371 W Van Buren St	1959–1962
		Hess Laundry and Dry Cleaners	1110 S 23rd Ave	1953

Appendix C (continued)
City Directory Review Results by Contaminants of Concern

Chemical	Business Type	Business Name	Address	Years of Operation
PCE (continued)				
	Dry Cleaning Operations (concluded)			
		Holiday Cleaners and Laundry	2909 W Van Buren St	1978–1993
		Laundry Dry Cleaning	3127 W Van Buren St	1971
		Master Cleaners	3000 W Van Buren St	1951
		McKeans Laundry and Dry Cleaners	2010 W Van Buren St	1951
		Nifty Cleaners	2040 W Buckeye Rd	1949
		Palms Cleaners	928 S 19th Ave	1952
		Piro Dry Cleaners	3313 W Van Buren St	1951
		Quality Cleaners	2848 W Van Buren St	1961
		Quality Cleaners	2850 W Van Buren St	1961–1968
		Sav-N-Takit Dry Cleaners	3442 W Van Buren St	1971
		Sav-N-Takit Dry Cleaners	3442 W Van Buren St	1973
		Sav-N-Takit Quality Dry Cleaning	3302 W Van Buren St	1963–1967
		Sheridan Tailors and Cleaners	2010 W Van Buren St	1952
		Shorts Cleaners	3313 W Van Buren St	1950
		Shorts Cleaners	3357 W Van Buren St	1952–1955
		Supermat Laundry and Dry Cleaning	1128 S 35th Ave	1978
		Vogue Cleaners	3000 W Van Buren St	1947
		Westside Norge Village	3102 W Van Buren St	1964–1969
	Insecticide Production and Formulation			
		Crowley Pest Control	2801 W Van Buren St	1965–1966
		Spray-Dust	2550 W Van Buren St	1951–1952
	Metal Fabrication and Plating—Aluminum			
		Allison Steel Manufacturing Co	420 S 19th Ave	1964–1967
		Allison Steel Manufacturing Co	490 S 19th Ave	1935–1953
		Allison Steel Manufacturing Co	498 S 19th Ave	1956
		Allison Steel Manufacturing Co	499 S 19th Ave	1952–1955
		Allison Steel Manufacturing Co	499 S 19th Ave	1957–1963
		Araco Manufacturing Co	2344 W Sherman St	1957
		Service Aluminum	2501 W Jackson St	1996–2000
		Valley Aluminum Co	2032 W Buckeye Rd	1971
		VRP Fabrication	2320 W Buckeye Rd	1977–1980
	Printing Operations			
		Business Printing Service	3344 W Buckeye Rd	1961
		Business Printing Service	3344 W Buckeye Rd	1963
		D and C Printing Co	2006 W Van Buren St	1971
		Globe Ticket Co	3315 W Buckeye Rd	1967–1969
		Pryor Printers	2608 W Van Buren St	1935–1938
		RRR Print Shop	2826 W Van Buren St	1986
		Taylors Printing	3033 W Van Buren St	1974–1975

Appendix C (continued)
City Directory Review Results by Contaminants of Concern

Chemical	Business Type	Business Name	Address	Years of Operation
PCE (concluded)				
	Textile Processing and Manufacturing			
		Venus Sales Co	3315 W Buckeye Rd	1978–1982
	Transformers			
		M-D Electric Parts Manufacturing Co	2821 W Van Buren St	1977
		M-D Electric Parts Manufacturing Co	2821 W Van Buren St	1979–1980
		M-D Electric Parts Manufacturing Co	2821 W Van Buren St	1982–1983
	Vulcanizing Operations			
		Arizona Industrial Retreading	420 S 35th Ave	1984–1994
		Firestone Mastercraft	3333 W Buckeye Rd	1989–1991
		Firestone Tire and Rubber Co	3333 W Buckeye Rd	1980–1988
		Firestone Truck and Farm	3333 W Buckeye Rd	1992–1994
		Goodyear Retread Plant	420 S 35th Ave	1972–1982
		Superior Retreading	420 S 35th Ave	1984–1993
TCA				
	Air Conditioning Manufacturing			
		Continental Manufacturing Co	712 S 23rd Ave	1955–1959
		International Metal Products	712 S 23rd Ave	1960
		Mountaineer Manufacturing Co	2246 W Jackson St	1950–1952
	Aircraft Repair			
		National Aircraft Division	320 S 19th Ave	1969–1974
		Rotorway Aircraft	300 S 25th Ave	1991–1992
		Rotorway Aircraft	2501 W Jackson St	1989–1990
		Rotorway International	300 S 25th Ave	1991
		Rotorway International	300 S 25th Ave	1993
	Auto Body Repair			
		A and R Auto Body	3401 W Van Buren St	1997
		A and T Rebuilding	2048 W Grant St	1981–1987
		Alex Body Shop	3001 W Van Buren St	2002
		Als Auto Body Shop	1005 S 35th Ave	1971
		American Hammered Auto	720 S 23rd Ave	1978–1982
		Arts Paint and Body	2724 W Buckeye Rd	1981
		Audobe Auto Body	721 S 19th Ave	1991–1992
		B and M Body Shop	3038 W Buckeye Rd	1950–1951
		Bakepaint Body Shop	2919 W Buckeye Rd	1972–1973
		Bakepaint Body Shop	3011 W Buckeye Rd	1974
		Body Works	2835 W Buckeye Rd	1996
		C and C Truck Body Repair	2801 W Buckeye Rd	1973
		C and C Truck Body Repair	2810 W Buckeye Rd	1971
		C C Body Shop	2905 W Lincoln St	1998
		C C Body Shop	2933 W Lincoln St	1999–2002
		Capitol Collision Repair	902 S 19th Ave	1991–2002

Appendix C (continued)
City Directory Review Results by Contaminants of Concern

Chemical	Business Type	Business Name	Address	Years of Operation
TCA (continued)				
	Auto Body Repair (continued)			
		Central Auto Shop	310 S 23rd Ave	1966
		Central Auto Shop	610 S 23rd Ave	1964–1965
		Classic Car Specialists	2724 W Buckeye Rd	1982–1984
		Commercial Body and Paint Shop	721 S 19th Ave	1977–1983
		Complete Paint and Body Center	2323 W Van Buren St	1992–2002
		Coulter Cadillac	2520 W Jackson St	1957–1959
		Coulter Motor Co	2520 W Jackson St	1951–1956
		D and S Auto Body	2905 W Lincoln St	1986–1994
		D and W Auto Body Shop	2539 W Buckeye Rd	1961
		Diamond Auto Body	411 S 35th Ave	1989–1990
		El Valle Body Shop	3307 W Van Buren St	1998
		Espinoza Body Shop	2736 W Buckeye Rd	2002
		Fleet Painting and Body Shop	3301 W Lincoln St	1982
		Fleet Painting and Body Shop	3311 W Lincoln St	1982–1983
		Fleet Painting and Body Shop	3432 W Sherman St	1984–2002
		Floris Painting and Body Shop	2736 W Buckeye Rd	1988
		Freds Truck and Body Repair	1015 S 35th Ave	1976–1977
		Freds Truck and Body Repair	1015 S 35th Ave	1979–1980
		Goldies Auto Rebuilding and Salvage Co	602 S 23rd Ave	1952–1953
		H A Bachus	2702 W Van Buren St	1945–1946
		Hanks Body Shop	610 S 23rd Ave	1982–1983
		Hanks Body Shop	902 S 23rd Ave	1975
		Hanks Body Shop	902 S 23rd Ave	1978–1981
		Hanks Body Shop	2425 W Buckeye Rd	1988–1989
		Interstate Wreck Rebuilder	3215 W Lincoln St	1987–2002
		J and B Auto Clinic	2724 W Buckeye Rd	1968–1969
		J and O Machine and Body Shop	2826 W Van Buren St	1992
		J and O Paint and Body Shop	620 S 33rd Ave	1984–1986
		J and R Body Shop	2736 W Buckeye Rd	2000–2001
		J and R Paint and Body	2020 W Buckeye Rd	1988
		Jesses Body Shop	1938 W Buckeye Rd	1998–2002
		Jesses Body Shop	2028 W Buckeye Rd	1989
		Jesses Body Shop	2017 W Maricopa St	1990–1997
		KMA Body Shop	3190 W Van Buren St	1979–1982
		L and B Body Shop	2731 W Lincoln St	1987
		L and B Body Shop	2434 W Van Buren St	1981–1986
		L and B Body Shop	2434 W Van Buren St	1988–1990
		La Palma Auto Body and Paint	2145 W Grant St	1983–1988
		Leons Body Shop	3237 W Van Buren St	1990
		Louis Paint and Body	3029 W Buckeye Rd	1996
		M G Body Shop	2930 W Lincoln St	1997–2000

Appendix C (continued)
City Directory Review Results by Contaminants of Concern

Chemical	Business Type	Business Name	Address	Years of Operation
TCA (continued)				
	Auto Body Repair (concluded)			
		Maaco Auto Painting and Bodyworks	2323 W Van Buren St	1974–1991
		Magic Touch Paint and Body Shop	2316 W Buckeye Rd	1982–1985
		Malverde Body Shop	5 S 35th Ave	1989–1990
		Morenos Paint and Body	2835 W Buckeye Rd	2000
		Oros Body Shop	2320 W Buckeye Rd	1991
		Oscars Body Shop	2020 W Buckeye Rd	1993–1994
		Oscars Body Shop	2724 W Buckeye Rd	1992–1995
		Oscars Body Shop	3001 W Buckeye Rd	1997–1999
		Premier Frame and Body	2425 W Sherman St	1990–1991
		Quality Paint and Body Shop	2032 W Buckeye Rd	1963
		Quintana Body Works	2835 W Buckeye Rd	1995
		Rainbow Paint and Body	2726 W Van Buren St	1983–1993
		Rainbow Paint and Body	2726 W Van Buren St	1995–2000
		Raul Body Shop and Paint	3045 W Buckeye Rd	2001–2002
		Rebuild	1015 S 35th Ave	1963
		Renaissance Auto Body	2417 W Lincoln St	1986–1987
		Robertos Body Shop	2736 W Buckeye Rd	1991
		Rucos Body Shop	2316 W Buckeye Rd	1991
		Rudys Body Shop	2020 W Buckeye Rd	1989
		Rudys Body Shop	2826 W Van Buren St	1978–1980
		Sams Body Shop	2745 W Lincoln St	1990–2002
		Smokies Body and Paint	2826 W Van Buren St	1974–1975
		Sonnys Body Shop	2724 W Buckeye Rd	1986–1987
		Square Deal Garage	1015 S 35th Ave	1959
		Steves Auto Body	2316 W Buckeye Rd	1978–1980
		Steves Auto Body	2320 W Buckeye Rd	1981
		The Best Body Shop	3134 W Van Buren St	1987–1988
		The Best Body Shop	3190 W Van Buren St	1984–1986
		The Old Body Shop	3190 W Van Buren St	1983
		Tonys Auto Body	2746 W Buckeye Rd	1990
		Van Buren Auto Body	2434 W Van Buren St	1974–1975
		W and W Auto Repair and Body Shop	2802 W Buckeye Rd	1976
		Wild West Body Shop	2950 W Buckeye Rd	1982
	Auto Painting Operations			
		Ace Refinishing Service	3205 W Washington St	1984–1992
		Arts Paint and Body	2724 W Buckeye Rd	1981
		Cobbs Sandblasting and Truck Painting	3311 W Lincoln St	1982
		Cobbs Truck Painting and Sandblasting	3422 W Lincoln St	1979
		Commercial Body and Paint Shop	721 S 19th Ave	1977–1983
		Complete Paint and Body Center	2323 W Van Buren St	1992–2002

Appendix C (continued)
City Directory Review Results by Contaminants of Concern

Chemical	Business Type	Business Name	Address	Years of Operation
TCA (continued)				
	Auto Painting Operations (concluded)			
		Coulter Motor Co	2520 W Jackson St	1951–1956
		Fleet Painting and Body Shop	3301 W Lincoln St	1982
		Fleet Painting and Body Shop	3311 W Lincoln St	1982–1983
		Fleet Painting and Body Shop	3432 W Sherman St	1984–2002
		Floris Painting and Body Shop	2736 W Buckeye Rd	1988
		J and O Paint and Body Shop	620 S 33rd Ave	1984–1986
		J and R Paint and Body	2020 W Buckeye Rd	1988
		La Palma Auto Body and Paint	2145 W Grant St	1983–1988
		Louis Paint and Body	3029 W Buckeye Rd	1996
		Maaco Auto Painting and Bodyworks	2323 W Van Buren St	1974–1991
		Mack and Nye	3190 W Van Buren St	1949
		Magic Touch Paint and Body Shop	2316 W Buckeye Rd	1982–1985
		Morenos Paint and Body	2835 W Buckeye Rd	2000
		Quality Paint and Body Shop	2032 W Buckeye Rd	1963
		Rainbow Paint and Body	2726 W Van Buren St	1983–1993
		Rainbow Paint and Body	2726 W Van Buren St	1995–2000
		Raul Body Shop and Paint	3045 W Buckeye Rd	2001–2002
		Raymond Martin	3190 W Van Buren St	1950
		Smokies Body and Paint	2826 W Van Buren St	1974–1975
		Square Deal Garage	1015 S 35th Ave	1959
		Square Deal Paint Shop	1015 S 35th Ave	1952
	Auto Repair			
		Andys Transmission Specialists	2316 W Buckeye Rd	1987
		D and D Diesel Repair	1011 S 19th Ave	1992–1995
		F and R Truck and Trailer Repair	1027 S 25th Ave	1989–1990
		Fast Diesel and Auto	2210 W Jackson St	1972
		Franks Standard and Automatic	411 S 31st Ave	2000–2001
		Hi-Tech Transmissions	1 N 35th Ave	1992–1997
		Japanese Engines	2018 W Buckeye Rd	1991
		M Y Auto and Diesel Repair	3111 W Harrison St	1999–2000
		Macs Diesel Service	610 S 23rd Ave	1971
		Maricopa Tractor Co	2106 W Grant St	1970–1974
		Mobile Diesel Repair	2149 W Buckeye Rd	1981–1982
		Motor Works	126 N 28th Ave	1990
		Nates Diesel Service	2802 W Buckeye Rd	1985
		Petes Diesel Repair	2628 W Van Buren St	1998
		Phoenix Motor Works	126 N 28th Ave	1991
		Pruetts Automatic Transmission	2950 W Buckeye Rd	1969
		Pruetts Automatic Transmission	2950 W Buckeye Rd	1971
		Pruetts Automatic Transmission	2950 W Buckeye Rd	1976–1977
		Pruetts Automatic Transmission	2950 W Buckeye Rd	1979–2002

Appendix C (continued)
City Directory Review Results by Contaminants of Concern

Chemical	Business Type	Business Name	Address	Years of Operation
TCA (continued)				
	Auto Repair (concluded)			
		Sun Motor Exchange	2214 W Washington St	1958
		T and C Truck and Trailer Service	2539 W Buckeye Rd	1982–1995
		Truck Works	3212 W Sherman St	2000–2002
		Truck Works	3216 W Sherman St	1998–1999
		Valley Diesel Service	2032 W Buckeye Rd	1975–1977
		Waynes Truck Service	2822 W Buckeye Rd	1971
	Chemical Manufacturing and Distribution			
		Action Chemical Co	2547 W Jackson St	1996
		Apex Chemical Corp	2547 W Jackson St	1997–1998
		Arizona Chemical Co	2008 W Jackson St	1948
		Atlas Powder Agency	490 S 19th Ave	1938–1946
		Commander Chemical and Supply Co Inc	2020 W Buckeye Rd	1962–1969
		Hanson-Loran Chemical	3401 W Buckeye Rd	1982
		Pacific Chemical Co	2011 W Jackson St	1949
		Rankin Oil and Chemical	2335 W Sherman St	1985
		Taylor Chemical Co	2547 W Jackson St	1958
		Valley Agro-Chem	1918 W Van Buren St	1962
	Foundry Operations			
		Arizona Iron Works	301 S 19th Ave	1935–1953
		Armstrong Manufacturing	2315 W Van Buren St	1945–1946
		Desanno Foundry	300 S 25th Ave	1992
		Desanno Foundry	2501 W Jackson St	1993–1995
		Rotorway Foundries	2501 W Jackson St	1989
		Service Brass Foundry	2501 W Jackson St	2001–2002
	Fumigant Production and Use			
		Allied Grain Co	310 S 24th Ave	1946–1956
		Allied Seed and Grain Co	310 S 24th Ave	1957–1961
		Continental Grain Co	310 S 24th Ave	1960–1962
		Crowley Pest Control	2801 W Van Buren St	1965–1966
		Feeders Grain Co Inc	310 S 24th Ave	1963–2002
		Francies Date Co	2125 W Jackson St	1958–1999
		Spray-Dust	2550 W Van Buren St	1951–1952
	Insecticide Production and Formulation			
		Crowley Pest Control	2801 W Van Buren St	1965–1966
		Spray-Dust	2550 W Van Buren St	1951–1952

Appendix C (continued)
City Directory Review Results by Contaminants of Concern

Chemical	Business Type	Business Name	Address	Years of Operation
TCA (continued)				
	Manufacturing Operations			
		Abridge Tool and Manufacturing	3406 W Buckeye Rd	1972–1975
		Apache Iron Works	1919 W Grant St	1953
		Arizona Carburetor Manufacturing	2040 W Buckeye Rd	2000–2001
		Arizona Carburetor Manufacturing	2046 W Buckeye Rd	2002
		Arizona Mobile Office Manufacturing	2148 W Van Buren St	1972–1983
		Blandin Camper Manufacturing	2519 W Jackson St	1972–1974
		Certified Machine and Manufacturing Inc	2032 W Buckeye Rd	1981
		Clements Tool and Engineering	3207 W Harrison St	1969–1992
		Cotton Gin Supply Co	2827 W Van Buren St	1963–1969
		E H Goetz Manufacturing Co	2541 W Buckeye Rd	1968
		Engle and Hoskin Inc	2034 W Jackson St	1998–2002
		Engle and Hoskin Radiator Exchange Inc	2034 W Jackson St	1959–1997
		Grand Avenue Auto Parts	602 S 23rd Ave	1965–1974
		M-D Electric Parts Manufacturing Co	2821 W Van Buren St	1977
		M-D Electric Parts Manufacturing Co	2821 W Van Buren St	1979–1980
		M-D Electric Parts Manufacturing Co	2821 W Van Buren St	1982–1983
		Minder Gear and Transmission Co	2347 W Lincoln St	1961–1964
		Play Boy Campers Inc	2148 W Van Buren St	1969–1972
		Porta House Inc	3100 W Buckeye Rd	1990
		Porta House Inc	2150 W Van Buren St	1972–1989
		Precision Manufacturing Co	2341 W Sherman St	1960
		Ray and Bobs Trucks and Salvage	101 S 35th Ave	1970–1993
		Screw Works Manufacturing Inc	2206 W Sherman St	1996–1997
		Venus Manufacturing Co	2315 W Van Buren St	1970–1972
		Vernon Tool Co of Arizona	710 S 35th Ave	1950–1963
	Metal Fabrication and Plating—Aluminum			
		Allison Steel Manufacturing Co	420 S 19th Ave	1964–1967
		Allison Steel Manufacturing Co	490 S 19th Ave	1935–1953
		Allison Steel Manufacturing Co	498 S 19th Ave	1956
		Allison Steel Manufacturing Co	499 S 19th Ave	1952–1955
		Allison Steel Manufacturing Co	499 S 19th Ave	1957–1963
		Araco Manufacturing Co	2344 W Sherman St	1957
		Service Aluminum	2501 W Jackson St	1996–2000
		Valley Aluminum Co	2032 W Buckeye Rd	1971
		VRP Fabrication	2320 W Buckeye Rd	1977–1980

Appendix C (continued)
City Directory Review Results by Contaminants of Concern

Chemical	Business Type	Business Name	Address	Years of Operation
TCA (continued)				
	Metal Fabrication and Plating—Non-Aluminum			
		AAA Fabricators	3300 W Buckeye Rd	1974–1975
		Ace Refinishing Service	3205 W Washington St	1984–1992
		Allied Industries	2506 W Jackson St	1960–1962
		Allied Metals	2119 W Buckeye Rd	1970–1978
		Allied Porcerell Inc	1921 W Grant St	1955–1956
		Alpine Steel Inc	2101 W Jackson St	1994–2002
		Anco Fabricators	3340 W Lincoln St	1992–1993
		Arizona Rebar Inc	2101 W Jackson St	1991–1993
		Arizona Rebar Inc	2117 W Jackson St	1991
		Arizona Sheet Fabrications	2519 W Jackson St	2001–2002
		Arizona Sheet Fabrications	310 S 24th Ave	1994–2000
		Armor Metals Inc	3040 W Buckeye Rd	1970–1991
		Armor Retinning Works	3040 W Buckeye Rd	1961
		Barrys Chrome Shop	431 S 31st Ave	1982–1985
		Bear River Steel	2101 W Jackson St	1984–1988
		Bear River Steel	2117 W Jackson St	1989–1990
		C and C Fabrications	1018 S 27th Ave	1981
		Cals Sheet Metal	2347 W Lincoln St	1987–1988
		Certified Machine and Manufacturing Inc	2021 W Buckeye Rd	1982–1988
		Certified Machine and Manufacturing Inc	2028 W Buckeye Rd	1983–1987
		Chetco Steel	3131 W Harrison St	1987–1990
		Chetco Steel	3131 W Harrison St	1992–2002
		Circle Metals Co	550 S 35th Ave	1982
		Coates Steel Co	301 S 19th Ave	1950–1951
		Consolidated Rebar Inc	321 S 27th Ave	1997–2002
		Consolidated Rebar Inc	2601 W Jackson St	1995–1996
		Custom Metal Finishing	801 S 25th Ave	1990–1991
		Desert Steel Co Inc	2103 W Jefferson St	1970
		Desert Steel Co Inc	2101 W Jefferson St	1971
		Desert Steel Co Inc	2101 W Jefferson St	1973
		Designers Manufacturing Corp	602 S 23rd Ave	1948
		Diamond Perforated Metal	550 S 35th Ave	1982
		Fab Four Steel Inc	2601 W Jackson St	1998–2001
		Folsum Metals	1948 W Van Buren St	1992
		Harris Arizona Rebar Inc	2101 W Jackson St	1994–2002
		Hi Tech Fabrication and Welding	2709 W Lincoln St	1986–1990
		Hi Tech Fabrication and Welding	3040 W Lincoln St	1990–2002
		Hi Tech Fabrication and Welding	3224 W Lincoln St	2001–2002
		Hughes Converters	1102 S 23rd Ave	1978–1986
		J D Steel Co Inc	2101 W Jackson St	1984–2002
		J D Steel Co Inc	2101 W Jefferson St	1971–1980

Appendix C (continued)
City Directory Review Results by Contaminants of Concern

Chemical	Business Type	Business Name	Address	Years of Operation
TCA (continued)				
	Metal Fabrication and Plating—Non-Aluminum (continued)			
		Kema Steel Inc	3137 W Lincoln St	1981–1990
		Louies Black Oxide	2008 W Jackson St	1991–2002
		Mapco Core and Metals	2040 W Buckeye Rd	1996–1998
		Marathon Steel	620 S 19th Ave	1974–1975
		McDowell Steel Co	2601 W Jackson St	1962
		McDowell Steel Co	2601 W Jackson St	1970–1982
		Mohawk Steel	2519 W Jackson St	1970
		National Iron and Metal Co	320 S 19th Ave	1941–1943
		National Iron and Metal Co	320 S 19th Ave	1946–1952
		National Metals Co	320 S 19th Ave	1953–2002
		National Steel and Construction Co	320 S 19th Ave	1953–1974
		Navajo Steel	2401 W Madison St	1998–2002
		Olson Erectors	321 S 27th Ave	1986–1992
		Olson Steel Co	2609 W Jackson St	1974–1986
		P and M Steel Fabrication Co	212 S 25th Ave	1959
		Paradise Rebar	2609 W Jackson St	1997–2002
		Phoenix Chrome Specialty	2121 W Buckeye Rd	1989
		Phoenix Steel Manufacturing Co	2601 W Jackson St	1961–1985
		Pioneer Heating and Cooling	3001 W Van Buren St	1958–1961
		R and D Fabricating	2609 W Jackson St	1988–1991
		R E Eade	2716 W Van Buren St	1949
		Republic Steel Corp	2547 W Jackson St	1961–1963
		Reynolds Metals Co	301 S 19th Ave	1964–1977
		Richwood Metals Corp	2733 W Buckeye Rd	1983–1988
		Ring of Steel	3031 W Lincoln St	1978
		Ring of Steel	3031 W Lincoln St	1981–1982
		S Diamond Steel	2506 W Jackson St	2002
		Schuff Steel Co	420 S 19th Ave	1987–2002
		Sentry Steel Inc	2117 W Jackson St	1984–1985
		Skyline Metal	3207 W Harrison St	1995–2002
		Solar Steel	3131 W Harrison St	2000–2002
		Southwest Manufacturing Co Inc	2114 W Madison St	1963
		Southwest Metal Industries	710 S 35th Ave	1964–1971
		Statewide Steel	2601 W Jackson St	1986
		Steel Erection and Maintenance	2709 W Lincoln St	1982–2002
		Steel Fabricators	2032 W Buckeye Rd	1987
		Steel Motions Co	720 S 23rd Ave	1983–1986
		Steel Motions Co	2306 W Sherman St	1982
		Steel Specialists Inc	3103 W Lincoln St	1996–2002
		Stud Welding Specialists	2040 W Buckeye Rd	1982–1983
		Sun Plating	401 S 31st Ave	1981–1982

Appendix C (continued)
City Directory Review Results by Contaminants of Concern

Chemical	Business Type	Business Name	Address	Years of Operation
TCA (concluded)				
Metal Fabrication and Plating—Non-Aluminum (concluded)				
		Sun Plating Enterprises	3308 W Sherman St	1984–1986
		Sunshine Steel Products	2609 W Jackson St	1981–1987
		T and J Steel Co	3210 W Lincoln St	1982–1988
		TRW Steel Works Inc	3137 W Lincoln St	1992–2002
		TRW Steel Works Inc	3310 W Sherman St	1984–1991
		Verlin Co Inc	3309 W Lincoln St	1983
		Viking Steel	321 S 27th Ave	1986–1992
		Western Fabricators Inc	2506 W Jackson St	1963–2002
		Young Steel Buildings	212 S 25th Ave	1955
Plastic Manufacturing				
		A-1 Film and Tarp Co	2530 W Buckeye Rd	1996–2000
		A-1 Poly Arizona Bag	2540 W Buckeye Rd	1996–1997
		A-1 Polyethylene Film	2530 W Buckeye Rd	1981–1995
		A-1 Polyethylene Film	2540 W Buckeye Rd	1984–1995
		A-1 Polyethylene Sheeting and Tarp Co	2530 W Buckeye Rd	1972–1980
		A-1 Polyethylene Sheeting and Tarp Co	2540 W Buckeye Rd	1981–1983
		Apache Plastics Inc	2547 W Jackson St	1976
		Arizona Plastic Extrusion Co	2547 W Jackson St	1966–1973
		Finn Industries Inc	2547 W Jackson St	1977–1992
		Fortune Plastics Arizona	3401 W Buckeye Rd	1992–1997
		Poly-Flex Inc	3401 W Buckeye Rd	1980–1991
Potential Fleet Maintenance				
		Arizona Fleet Service	3001 W Van Buren St	1979
Printing Operations				
		Business Printing Service	3344 W Buckeye Rd	1961
		Business Printing Service	3344 W Buckeye Rd	1963
		D and C Printing Co	2006 W Van Buren St	1971
		Globe Ticket Co	3315 W Buckeye Rd	1967–1969
		Pryor Printers	2608 W Van Buren St	1935–1938
		RRR Print Shop	2826 W Van Buren St	1986
		Taylor's Printing	3033 W Van Buren St	1974–1975
Textile Processing and Manufacturing				
		Venus Sales Co	3315 W Buckeye Rd	1978–1982
Vulcanizing Operations				
		Arizona Industrial Retreading	420 S 35th Ave	1984–1994
		Firestone Mastercraft	3333 W Buckeye Rd	1989–1991
		Firestone Tire and Rubber Co	3333 W Buckeye Rd	1980–1988
		Firestone Truck and Farm	3333 W Buckeye Rd	1992–1994
		Goodyear Retread Plant	420 S 35th Ave	1972–1982
		Superior Retreading	420 S 35th Ave	1984–1993

Appendix C (continued)
City Directory Review Results by Contaminants of Concern

Chemical	Business Type	Business Name	Address	Years of Operation
TCE				
	Air Conditioning Manufacturing			
		Continental Manufacturing Co	712 S 23rd Ave	1955–1959
		International Metal Products	712 S 23rd Ave	1960
		Mountaineer Manufacturing Co	2246 W Jackson St	1950–1952
	Aircraft Repair			
		National Aircraft Division	320 S 19th Ave	1969–1974
		Rotorway Aircraft	300 S 25th Ave	1991–1992
		Rotorway Aircraft	2501 W Jackson St	1989–1990
		Rotorway International	300 S 25th Ave	1991
		Rotorway International	300 S 25th Ave	1993
	Auto Body Repair			
		A and R Auto Body	3401 W Van Buren St	1997
		A and T Rebuilding	2048 W Grant St	1981–1987
		Alex Body Shop	3001 W Van Buren St	2002
		Als Auto Body Shop	1005 S 35th Ave	1971
		American Hammered Auto	720 S 23rd Ave	1978–1982
		Arts Paint and Body	2724 W Buckeye Rd	1981
		Audobe Auto Body	721 S 19th Ave	1991–1992
		B and M Body Shop	3038 W Buckeye Rd	1950–1951
		Bakepaint Body Shop	2919 W Buckeye Rd	1972–1973
		Bakepaint Body Shop	3011 W Buckeye Rd	1974
		Body Works	2835 W Buckeye Rd	1996
		C and C Truck Body Repair	2801 W Buckeye Rd	1973
		C and C Truck Body Repair	2810 W Buckeye Rd	1971
		C C Body Shop	2905 W Lincoln St	1998
		C C Body Shop	2933 W Lincoln St	1999–2002
		Capitol Collision Repair	902 S 19th Ave	1991–2002
		Central Auto Shop	310 S 23rd Ave	1966
		Central Auto Shop	610 S 23rd Ave	1964–1965
		Classic Car Specialists	2724 W Buckeye Rd	1982–1984
		Commercial Body and Paint Shop	721 S 19th Ave	1977–1983
		Complete Paint and Body Center	2323 W Van Buren St	1992–2002
		Coulter Cadillac	2520 W Jackson St	1957–1959
		Coulter Motor Co	2520 W Jackson St	1951–1956
		D and S Auto Body	2905 W Lincoln St	1986–1994
		D and W Auto Body Shop	2539 W Buckeye Rd	1961
		Diamond Auto Body	411 S 35th Ave	1989–1990
		El Valle Body Shop	3307 W Van Buren St	1998
		Espinoza Body Shop	2736 W Buckeye Rd	2002
		Fleet Painting and Body Shop	3301 W Lincoln St	1982
		Fleet Painting and Body Shop	3311 W Lincoln St	1982–1983
		Fleet Painting and Body Shop	3432 W Sherman St	1984–2002

Appendix C (continued)
City Directory Review Results by Contaminants of Concern

Chemical	Business Type	Business Name	Address	Years of Operation
TCE (continued)				
	Auto Body Repair (continued)			
		Floris Painting and Body Shop	2736 W Buckeye Rd	1988
		Freds Truck and Body Repair	1015 S 35th Ave	1976–1977
		Freds Truck and Body Repair	1015 S 35th Ave	1979–1980
		Goldies Auto Rebuilding and Salvage Co	602 S 23rd Ave	1952–1953
		H A Bachus	2702 W Van Buren St	1945–1946
		Hanks Body Shop	610 S 23rd Ave	1982–1983
		Hanks Body Shop	902 S 23rd Ave	1975
		Hanks Body Shop	902 S 23rd Ave	1978–1981
		Hanks Body Shop	2425 W Buckeye Rd	1988–1989
		Interstate Wreck Rebuilder	3215 W Lincoln St	1987–2002
		J and B Auto Clinic	2724 W Buckeye Rd	1968–1969
		J and O Machine and Body Shop	2826 W Van Buren St	1992
		J and O Paint and Body Shop	620 S 33rd Ave	1984–1986
		J and R Body Shop	2736 W Buckeye Rd	2000–2001
		J and R Paint and Body	2020 W Buckeye Rd	1988
		Jesses Body Shop	1938 W Buckeye Rd	1998–2002
		Jesses Body Shop	2028 W Buckeye Rd	1989
		Jesses Body Shop	2017 W Maricopa St	1990–1997
		KMA Body Shop	3190 W Van Buren St	1979–1982
		L and B Body Shop	2731 W Lincoln St	1987
		L and B Body Shop	2434 W Van Buren St	1981–1986
		L and B Body Shop	2434 W Van Buren St	1988–1990
		La Palma Auto Body and Paint	2145 W Grant St	1983–1988
		Leons Body Shop	3237 W Van Buren St	1990
		Louis Paint and Body	3029 W Buckeye Rd	1996
		M G Body Shop	2930 W Lincoln St	1997–2000
		Maaco Auto Painting and Bodyworks	2323 W Van Buren St	1974–1991
		Magic Touch Paint and Body Shop	2316 W Buckeye Rd	1982–1985
		Malverde Body Shop	5 S 35th Ave	1989–1990
		Morenos Paint and Body	2835 W Buckeye Rd	2000
		Oros Body Shop	2320 W Buckeye Rd	1991
		Oscars Body Shop	2020 W Buckeye Rd	1993–1994
		Oscars Body Shop	2724 W Buckeye Rd	1992–1995
		Oscars Body Shop	3001 W Buckeye Rd	1997–1999
		Premier Frame and Body	2425 W Sherman St	1990–1991
		Quality Paint and Body Shop	2032 W Buckeye Rd	1963
		Quintana Body Works	2835 W Buckeye Rd	1995
		Rainbow Paint and Body	2726 W Van Buren St	1983–1993
		Rainbow Paint and Body	2726 W Van Buren St	1995–2000
		Raul Body Shop and Paint	3045 W Buckeye Rd	2001–2002
		Rebuild	1015 S 35th Ave	1963

Appendix C (continued)
City Directory Review Results by Contaminants of Concern

Chemical	Business Type	Business Name	Address	Years of Operation
TCE (continued)				
	Auto Body Repair (concluded)			
		Renaissance Auto Body	2417 W Lincoln St	1986–1987
		Robertos Body Shop	2736 W Buckeye Rd	1991
		Rucos Body Shop	2316 W Buckeye Rd	1991
		Rudys Body Shop	2020 W Buckeye Rd	1989
		Rudys Body Shop	2826 W Van Buren St	1978–1980
		Sams Body Shop	2745 W Lincoln St	1990–2002
		Smokies Body and Paint	2826 W Van Buren St	1974–1975
		Sonnys Body Shop	2724 W Buckeye Rd	1986–1987
		Square Deal Garage	1015 S 35th Ave	1959
		Steves Auto Body	2316 W Buckeye Rd	1978–1980
		Steves Auto Body	2320 W Buckeye Rd	1981
		The Best Body Shop	3134 W Van Buren St	1987–1988
		The Best Body Shop	3190 W Van Buren St	1984–1986
		The Old Body Shop	3190 W Van Buren St	1983
		Tonys Auto Body	2746 W Buckeye Rd	1990
		Van Buren Auto Body	2434 W Van Buren St	1974–1975
		W and W Auto Repair and Body Shop	2802 W Buckeye Rd	1976
		Wild West Body Shop	2950 W Buckeye Rd	1982
	Auto Painting Operations			
		Ace Refinishing Service	3205 W Washington St	1984–1992
		Arts Paint and Body	2724 W Buckeye Rd	1981
		Cobbs Sandblasting and Truck Painting	3311 W Lincoln St	1982
		Cobbs Truck Painting and Sandblasting	3422 W Lincoln St	1979
		Commercial Body and Paint Shop	721 S 19th Ave	1977–1983
		Complete Paint and Body Center	2323 W Van Buren St	1992–2002
		Coulter Motor Co	2520 W Jackson St	1951–1956
		Fleet Painting and Body Shop	3301 W Lincoln St	1982
		Fleet Painting and Body Shop	3311 W Lincoln St	1982–1983
		Fleet Painting and Body Shop	3432 W Sherman St	1984–2002
		Floris Painting and Body Shop	2736 W Buckeye Rd	1988
		J and O Paint and Body Shop	620 S 33rd Ave	1984–1986
		J and R Paint and Body	2020 W Buckeye Rd	1988
		La Palma Auto Body and Paint	2145 W Grant St	1983–1988
		Louis Paint and Body	3029 W Buckeye Rd	1996
		Maaco Auto Painting and Bodyworks	2323 W Van Buren St	1974–1991
		Mack and Nye	3190 W Van Buren St	1949
		Magic Touch Paint and Body Shop	2316 W Buckeye Rd	1982–1985
		Morenos Paint and Body	2835 W Buckeye Rd	2000
		Quality Paint and Body Shop	2032 W Buckeye Rd	1963
		Rainbow Paint and Body	2726 W Van Buren St	1983–1993
		Rainbow Paint and Body	2726 W Van Buren St	1995–2000

Appendix C (continued)
City Directory Review Results by Contaminants of Concern

Chemical	Business Type	Business Name	Address	Years of Operation
TCE (continued)				
	Auto Painting Operations (concluded)			
		Raul Body Shop and Paint	3045 W Buckeye Rd	2001–2002
		Raymond Martin	3190 W Van Buren St	1950
		Smokies Body and Paint	2826 W Van Buren St	1974–1975
		Square Deal Garage	1015 S 35th Ave	1959
		Square Deal Paint Shop	1015 S 35th Ave	1952
	Auto Repair			
		Andys Transmission Specialists	2316 W Buckeye Rd	1987
		D and D Diesel Repair	1011 S 19th Ave	1992–1995
		F and R Truck and Trailer Repair	1027 S 25th Ave	1989–1990
		Fast Diesel and Auto	2210 W Jackson St	1972
		Franks Standard and Automatic	411 S 31st Ave	2000–2001
		Hi-Tech Transmissions	1 N 35th Ave	1992–1997
		Japanese Engines	2018 W Buckeye Rd	1991
		M Y Auto and Diesel Repair	3111 W Harrison St	1999–2000
		Macs Diesel Service	610 S 23rd Ave	1971
		Maricopa Tractor Co	2106 W Grant St	1970–1974
		Mobile Diesel Repair	2149 W Buckeye Rd	1981–1982
		Motor Works	126 N 28th Ave	1990
		Nates Diesel Service	2802 W Buckeye Rd	1985
		Petes Diesel Repair	2628 W Van Buren St	1998
		Phoenix Motor Works	126 N 28th Ave	1991
		Pruetts Automatic Transmission	2950 W Buckeye Rd	1969
		Pruetts Automatic Transmission	2950 W Buckeye Rd	1971
		Pruetts Automatic Transmission	2950 W Buckeye Rd	1976–1977
		Pruetts Automatic Transmission	2950 W Buckeye Rd	1979–2002
		Sun Motor Exchange	2214 W Washington St	1958
		T and C Truck and Trailer Service	2539 W Buckeye Rd	1982–1995
		Truck Works	3212 W Sherman St	2000–2002
		Truck Works	3216 W Sherman St	1998–1999
		Valley Diesel Service	2032 W Buckeye Rd	1975–1977
		Waynes Truck Service	2822 W Buckeye Rd	1971
	Chemical Manufacturing and Distribution			
		Action Chemical Co	2547 W Jackson St	1996
		Apex Chemical Corp	2547 W Jackson St	1997–1998
		Arizona Chemical Co	2008 W Jackson St	1948
		Atlas Powder Agency	490 S 19th Ave	1938–1946
		Commander Chemical and Supply Co Inc	2020 W Buckeye Rd	1962–1969
		Hanson-Loran Chemical	3401 W Buckeye Rd	1982
		Pacific Chemical Co	2011 W Jackson St	1949

Appendix C (continued)
City Directory Review Results by Contaminants of Concern

Chemical	Business Type	Business Name	Address	Years of Operation
TCE (continued)				
	Chemical Manufacturing and Distribution (concluded)			
		Rankin Oil and Chemical	2335 W Sherman St	1985
		Taylor Chemical Co	2547 W Jackson St	1958
		Valley Agro-Chem	1918 W Van Buren St	1962
	Foundry Operations			
		Arizona Iron Works	301 S 19th Ave	1935–1953
		Armstrong Manufacturing	2315 W Van Buren St	1945–1946
		Desanno Foundry	300 S 25th Ave	1992
		Desanno Foundry	2501 W Jackson St	1993–1995
		Rotorway Foundries	2501 W Jackson St	1989
		Service Brass Foundry	2501 W Jackson St	2001–2002
	Insecticide Production and Formulation			
		Crowley Pest Control	2801 W Van Buren St	1965–1966
		Spray-Dust	2550 W Van Buren St	1951–1952
	Manufacturing Operations			
		Abridge Tool and Manufacturing	3406 W Buckeye Rd	1972–1975
		Apache Iron Works	1919 W Grant St	1953
		Arizona Carburetor Manufacturing	2040 W Buckeye Rd	2000–2001
		Arizona Carburetor Manufacturing	2046 W Buckeye Rd	2002
		Arizona Mobile Office Manufacturing	2148 W Van Buren St	1972–1983
		Blandin Camper Manufacturing	2519 W Jackson St	1972–1974
		Certified Machine and Manufacturing Inc	2032 W Buckeye Rd	1981
		Clements Tool and Engineering	3207 W Harrison St	1969–1992
		Cotton Gin Supply Co	2827 W Van Buren St	1963–1969
		E H Goetz Manufacturing Co	2541 W Buckeye Rd	1968
		Engle and Hoskin Inc	2034 W Jackson St	1998–2002
		Engle and Hoskin Radiator Exchange Inc	2034 W Jackson St	1959–1997
		Grand Avenue Auto Parts	602 S 23rd Ave	1965–1974
		M-D Electric Parts Manufacturing Co	2821 W Van Buren St	1977
		M-D Electric Parts Manufacturing Co	2821 W Van Buren St	1979–1980
		M-D Electric Parts Manufacturing Co	2821 W Van Buren St	1982–1983
		Minder Gear and Transmission Co	2347 W Lincoln St	1961–1964
		Play Boy Campers Inc	2148 W Van Buren St	1969–1972
		Porta House Inc	3100 W Buckeye Rd	1990
		Porta House Inc	2150 W Van Buren St	1972–1989
		Precision Manufacturing Co	2341 W Sherman St	1960
		Ray and Bobs Trucks and Salvage	101 S 35th Ave	1970–1993
		Screw Works Manufacturing Inc	2206 W Sherman St	1996–1997
		Venus Manufacturing Co	2315 W Van Buren St	1970–1972
		Vernon Tool Co of Arizona	710 S 35th Ave	1950–1963

Appendix C (continued)
City Directory Review Results by Contaminants of Concern

Chemical	Business Type	Business Name	Address	Years of Operation
TCE (continued)				
	Metal Fabrication and Plating—Aluminum			
		Allison Steel Manufacturing Co	420 S 19th Ave	1964–1967
		Allison Steel Manufacturing Co	490 S 19th Ave	1935–1953
		Allison Steel Manufacturing Co	498 S 19th Ave	1956
		Allison Steel Manufacturing Co	499 S 19th Ave	1952–1955
		Allison Steel Manufacturing Co	499 S 19th Ave	1957–1963
		Araco Manufacturing Co	2344 W Sherman St	1957
		Service Aluminum	2501 W Jackson St	1996–2000
		Valley Aluminum Co	2032 W Buckeye Rd	1971
		VRP Fabrication	2320 W Buckeye Rd	1977–1980
	Metal Fabrication and Plating—Non-Aluminum			
		AAA Fabricators	3300 W Buckeye Rd	1974–1975
		Ace Refinishing Service	3205 W Washington St	1984–1992
		Allied Industries	2506 W Jackson St	1960–1962
		Allied Metals	2119 W Buckeye Rd	1970–1978
		Allied Porcerell Inc	1921 W Grant St	1955–1956
		Alpine Steel Inc	2101 W Jackson St	1994–2002
		Anco Fabricators	3340 W Lincoln St	1992–1993
		Arizona Rebar Inc	2101 W Jackson St	1991–1993
		Arizona Rebar Inc	2117 W Jackson St	1991
		Arizona Sheet Fabrications	2519 W Jackson St	2001–2002
		Arizona Sheet Fabrications	310 S 24th Ave	1994–2000
		Armor Metals Inc	3040 W Buckeye Rd	1970–1991
		Armor Retinning Works	3040 W Buckeye Rd	1961
		Barrys Chrome Shop	431 S 31st Ave	1982–1985
		Bear River Steel	2101 W Jackson St	1984–1988
		Bear River Steel	2117 W Jackson St	1989–1990
		C and C Fabrications	1018 S 27th Ave	1981
		Cals Sheet Metal	2347 W Lincoln St	1987–1988
		Certified Machine and Manufacturing Inc	2021 W Buckeye Rd	1982–1988
		Certified Machine and Manufacturing Inc	2028 W Buckeye Rd	1983–1987
		Chetco Steel	3131 W Harrison St	1987–1990
		Chetco Steel	3131 W Harrison St	1992–2002
		Circle Metals Co	550 S 35th Ave	1982
		Coates Steel Co	301 S 19th Ave	1950–1951
		Consolidated Rebar Inc	321 S 27th Ave	1997–2002
		Consolidated Rebar Inc	2601 W Jackson St	1995–1996
		Custom Metal Finishing	801 S 25th Ave	1990–1991
		Desert Steel Co Inc	2103 W Jefferson St	1970
		Desert Steel Co Inc	2101 W Jefferson St	1971
		Desert Steel Co Inc	2101 W Jefferson St	1973

Appendix C (continued)
City Directory Review Results by Contaminants of Concern

Chemical	Business Type	Business Name	Address	Years of Operation
TCE (continued)				
	Metal Fabrication and Plating—Non-Aluminum (continued)			
		Designers Manufacturing Corp	602 S 23rd Ave	1948
		Diamond Perforated Metal	550 S 35th Ave	1982
		Fab Four Steel Inc	2601 W Jackson St	1998–2001
		Folsum Metals	1948 W Van Buren St	1992
		Harris Arizona Rebar Inc	2101 W Jackson St	1994–2002
		Hi Tech Fabrication and Welding	2709 W Lincoln St	1986–1990
		Hi Tech Fabrication and Welding	3040 W Lincoln St	1990–2002
		Hi Tech Fabrication and Welding	3224 W Lincoln St	2001–2002
		Hughes Converters	1102 S 23rd Ave	1978–1986
		J D Steel Co Inc	2101 W Jackson St	1984–2002
		J D Steel Co Inc	2101 W Jefferson St	1971–1980
		Kema Steel Inc	3137 W Lincoln St	1981–1990
		Louies Black Oxide	2008 W Jackson St	1991–2002
		Mapco Core and Metals	2040 W Buckeye Rd	1996–1998
		Marathon Steel	620 S 19th Ave	1974–1975
		McDowell Steel Co	2601 W Jackson St	1962
		McDowell Steel Co	2601 W Jackson St	1970–1982
		Mohawk Steel	2519 W Jackson St	1970
		National Iron and Metal Co	320 S 19th Ave	1941–1943
		National Iron and Metal Co	320 S 19th Ave	1946–1952
		National Metals Co	320 S 19th Ave	1953–2002
		National Steel and Construction Co	320 S 19th Ave	1953–1974
		Navajo Steel	2401 W Madison St	1998–2002
		Olson Erectors	321 S 27th Ave	1986–1992
		Olson Steel Co	2609 W Jackson St	1974–1986
		P and M Steel Fabrication Co	212 S 25th Ave	1959
		Paradise Rebar	2609 W Jackson St	1997–2002
		Phoenix Chrome Specialty	2121 W Buckeye Rd	1989
		Phoenix Steel Manufacturing Co	2601 W Jackson St	1961–1985
		Pioneer Heating and Cooling	3001 W Van Buren St	1958–1961
		R and D Fabricating	2609 W Jackson St	1988–1991
		R E Eade	2716 W Van Buren St	1949
		Republic Steel Corp	2547 W Jackson St	1961–1963
		Reynolds Metals Co	301 S 19th Ave	1964–1977
		Richwood Metals Corp	2733 W Buckeye Rd	1983–1988
		Ring of Steel	3031 W Lincoln St	1978
		Ring of Steel	3031 W Lincoln St	1981–1982
		S Diamond Steel	2506 W Jackson St	2002
		Schuff Steel Co	420 S 19th Ave	1987–2002
		Sentry Steel Inc	2117 W Jackson St	1984–1985
		Skyline Metal	3207 W Harrison St	1995–2002

Appendix C (continued)
City Directory Review Results by Contaminants of Concern

Chemical	Business Type	Business Name	Address	Years of Operation
TCE (continued)				
	Metal Fabrication and Plating—Non-Aluminum (concluded)			
		Solar Steel	3131 W Harrison St	2000–2002
		Southwest Manufacturing Co Inc	2114 W Madison St	1963
		Southwest Metal Industries	710 S 35th Ave	1964–1971
		Statewide Steel	2601 W Jackson St	1986
		Steel Erection and Maintenance	2709 W Lincoln St	1982–2002
		Steel Fabricators	2032 W Buckeye Rd	1987
		Steel Motions Co	720 S 23rd Ave	1983–1986
		Steel Motions Co	2306 W Sherman St	1982
		Steel Specialists Inc	3103 W Lincoln St	1996–2002
		Stud Welding Specialists	2040 W Buckeye Rd	1982–1983
		Sun Plating	401 S 31st Ave	1981–1982
		Sun Plating Enterprises	3308 W Sherman St	1984–1986
		Sunshine Steel Products	2609 W Jackson St	1981–1987
		T and J Steel Co	3210 W Lincoln St	1982–1988
		TRW Steel Works Inc	3137 W Lincoln St	1992–2002
		TRW Steel Works Inc	3310 W Sherman St	1984–1991
		Verlin Co Inc	3309 W Lincoln St	1983
		Viking Steel	321 S 27th Ave	1986–1992
		Western Fabricators Inc	2506 W Jackson St	1963–2002
		Young Steel Buildings	212 S 25th Ave	1955
	Plastic Manufacturing			
		A-1 Film and Tarp Co	2530 W Buckeye Rd	1996–2000
		A-1 Poly Arizona Bag	2540 W Buckeye Rd	1996–1997
		A-1 Polyethylene Film	2530 W Buckeye Rd	1981–1995
		A-1 Polyethylene Film	2540 W Buckeye Rd	1984–1995
		A-1 Polyethylene Sheeting and Tarp Co	2530 W Buckeye Rd	1972–1980
		A-1 Polyethylene Sheeting and Tarp Co	2540 W Buckeye Rd	1981–1983
		Apache Plastics Inc	2547 W Jackson St	1976
		Arizona Plastic Extrusion Co	2547 W Jackson St	1966–1973
		Finn Industries Inc	2547 W Jackson St	1977–1992
		Fortune Plastics Arizona	3401 W Buckeye Rd	1992–1997
		Poly-Flex Inc	3401 W Buckeye Rd	1980–1991
	Potential Fleet Maintenance			
		Arizona Fleet Service	3001 W Van Buren St	1979
	Printing Operations			
		Business Printing Service	3344 W Buckeye Rd	1961
		Business Printing Service	3344 W Buckeye Rd	1963
		D and C Printing Co	2006 W Van Buren St	1971
		Globe Ticket Co	3315 W Buckeye Rd	1967–1969

Appendix C (concluded)
City Directory Review Results by Contaminants of Concern

Chemical	Business Type	Business Name	Address	Years of Operation
TCE (concluded)				
	Printing Operations (concluded)			
		Pryor Printers	2608 W Van Buren St	1935–1938
		RRR Print Shop	2826 W Van Buren St	1986
		Taylor's Printing	3033 W Van Buren St	1974–1975
	Textile Processing and Manufacturing			
		Venus Sales Co	3315 W Buckeye Rd	1978–1982
	Vulcanizing Operations			
		Arizona Industrial Retreading	420 S 35th Ave	1984–1994
		Firestone Mastercraft	3333 W Buckeye Rd	1989–1991
		Firestone Tire and Rubber Co	3333 W Buckeye Rd	1980–1988
		Firestone Truck and Farm	3333 W Buckeye Rd	1992–1994
		Goodyear Retread Plant	420 S 35th Ave	1972–1982
		Superior Retreading	420 S 35th Ave	1984–1993

Appendix D

**APPENDIX D
INTERVIEW SUMMARIES**

**INDUSTRIAL SURVEY NO. 3
WITHIN THE
WEST VAN BUREN WQARF REGISTRY SITE**

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APPENDIX D
INTERVIEW SUMMARIES
INDUSTRIAL SURVEY NO. 3
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WEST VAN BUREN WQARF REGISTRY SITE

1.0 INTRODUCTION

HydroGeoLogic, Inc. (HydroGeoLogic) was tasked by the Arizona Department of Environmental Quality (ADEQ) to conduct interviews for the industrial survey investigation within the West Van Buren West Van Buren Water Quality Assurance Revolving Fund (WQARF) Registry site in Phoenix, Maricopa County, Arizona. HydroGeoLogic identified four potential interviewees that may have knowledge about the industrial survey area. HydroGeoLogic contacted these individuals via e-mail or in person visits to determine if they knew of any operations in and around the site that may have contributed to contamination.

The remainder of this appendix contains the interview summaries of these individuals.

2.0 INTERVIEWS

2.1 TOM CURRY

At the suggestion of Kevin Snyder, the ADEQ project hydrologist, HydroGeoLogic contacted Mr. Tom Curry on May 3, 2002, via telephone at (623) 869-2353. Mr. Curry is a former ADEQ project manager of the West Van Buren WQARF Registry site. He currently works for the Central Arizona Project at 23536 North 7th Street, Phoenix, Arizona. Mr. Curry was verbally provided a description of the industrial survey boundaries. When asked whether he knew of any major incidents within the industrial survey area, including spills or leaks of contaminants of concern (COCs) in the industrial survey area or any other pertinent information. Mr. Curry stated that he knew of no “smoking guns” found in that area. He remembered that the vicinity between Chem Research and Reynolds Metals was filled with mainly auto repair shops and metal fabrication operations, none of them major degreasing facilities. He also recalled doing some testing around National Metals Company located at 320 S 19th Avenue, but believed that lead was the only concern at that time. In conclusion, Mr. Curry stated that he was not aware of any major incidents or operations that occurred within our industrial survey boundaries.

2.2 RICHARD OLM

At the suggestion of Kevin Snyder, HydroGeoLogic contacted Mr. Richard Olm on May 3, 2002, via e-mail. Mr. Olm is a current employee of the ADEQ and was formerly the ADEQ project manager for the West Van Buren WQARF Registry site. HydroGeoLogic provided Mr. Olm with an attachment to the e-mail that depicted the street address ranges within the industrial survey boundaries.

HydroGeoLogic requested that Mr. Olm provide any information regarding major incidents, including spills and leaks that occurred within the site boundaries. In addition, HydroGeoLogic asked Mr. Olm if he had any knowledge of businesses located within the area that may have generated the COCs.

Mr. Olm did not recall any site investigation work conducted during his time as project manager for the industrial survey area. He recalled anomalous PCE or TCE results outside the area of concern and remembered soil sampling data taken in the vicinity that may have had identified positive results for some volatile organic compounds (VOCs), which were later deemed suspect. He recommended reviewing the Kleinfelder report for not only the previous mentioned information, but also for information on Chevron, a petroleum distribution facility near the targeted area. Lastly, Mr. Olm mentioned an available file for a facility called Bud's Oil that may have been east of the industrial survey boundary. HydroGeoLogic was able to confirm that this facility is not within the industrial survey boundary. In conclusion, Mr. Olm did not recall any facilities or incidents that involved the COCs in our industrial survey area.

2.3 JULIE RIEMENSCHNEIDER AND KEVIN SNYDER

On April 16, 2002, HydroGeoLogic met with Julie Riemenschneider, the ADEQ project manager for the West Van Buren WQARF Registry site and this industrial survey, and Kevin Snyder, the ADEQ project hydrologist for the West Van Buren WQARF Registry site and this industrial survey. The purpose of the interview was to obtain the names of individuals who Ms. Riemenschneider and Mr. Snyder believed had relevant site information that would assist HydroGeoLogic in its investigation. In addition, HydroGeoLogic questioned both individuals about their knowledge of industrial operations within the survey boundaries that may have used the COCs identified at the site.

Mr. Snyder suggested that HydroGeoLogic contact former ADEQ project managers, Mr. Tom Curry and Mr. Richard Olm, for the West Van Buren WQARF Registry site. Ms. Riemenschneider and Mr. Snyder were unaware of any incidents including major spills and leaks within the industrial survey boundaries. In addition, neither individual knew of any businesses in the area that were likely to generate the COCs identified at the site.