GROUNDWATER EXTRACTION AND TREATMENT SYSTEM ANNUAL OPERATIONS REPORT FOR THE PERIOD JANUARY 1, 2003 THROUGH DECEMBER 31, 2003

SAIC Project 01-1633-00-3705-800

Prepared for:

Harley-Davidson Motor Company Operations, Inc.

York, PA

March 2004

Science Applications International Corporation
An Employee-Owned Company

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Respectfully submitted,

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Project Manager

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1,1-DCE	-	1,1-Dichloroethene
ALSI	-	Analytical Laboratory Services, Inc.
bgs	-	below ground surface
cfm	-	cubic feet per minute
cis 1,2-DCE	-	cis-1,2-Dichloroethene
COC	-	chain-of-custody
DEP	-	Pennsylvania Department of Environmental Protection
EPA	-	United States Environmental Protection Agency
EQ	-	equalization
GAC	-	granular-activated carbon
gpd	-	gallons per day
gpm	-	gallons per minute
Harley-Davidson	-	Harley-Davidson Motor Company Operations, Inc.
IWTP	-	Industrial Wastewater Treatment Plant
MCL	-	maximum contaminant level
mg/L	-	milligrams per liter
NB4	-	North Building 4
NPBA	-	Northeast Property Boundary Area
NPDES	-	National Pollutant Discharge Elimination System
PCE	-	Tetrachloroethene
PTA	-	Packed Tower Aerator
RCRA	-	Resource Conservation Recovery Act
RI/FS	-	remedial investigation/feasibility study
SAIC	-	Science Applications International Corporation
SPBA	-	Southeast Property Boundary Area
SRBC	-	Susquehanna River Basin Commission
TCA	-	1,1,1-Trichloroethane
TCE	-	Trichloroethene
TFO	-	Thermal Fume Oxidizer
TVOCs	-	total volatile organic compounds
µg/L	-	micrograms per liter
VFD	-	variable frequency drive
VOCs	-	volatile organic compounds
WPL	-	West Parking Lot

EXECUTIVE SUMMARY

The groundwater extraction and treatment system located at Harley-Davidson Motor Company Operations, Inc. (Harley-Davidson) in York, Pennsylvania has been in operation since November 1990. The system operated with few interruptions during the current report period of January 1, 2003, through December 31, 2003. The groundwater extraction and treatment system is designed to accomplish the following: 1) prevent off-site groundwater migration in the Northeast Property Boundary Area (NPBA); 2) remove volatile organic compound (VOC)-impacted groundwater in the 1,1,1-Trichloroethane (TCA) Tank Area; 3) prevent off-site migration of groundwater in the West Parking Lot (WPL) Area; 4) remove VOC-impacted groundwater at the former degreaser location in the North Building 4 (NB4) Area; and 5) collect groundwater from a groundwater depression system east of the newly constructed Softail plant, which prevents VOC-impacted groundwater from discharging to the surface or into the building.

The extraction system consists of 14 active extraction wells; 9 in the NPBA, 1 in the TCA Tank Area, and 4 in the WPL/NB4 Area. Several significant maintenance-related modifications or repairs were conducted during the report period. These included repairs to the Thermal Fume Oxidizer (TFO) blower, the installation of a variable frequency drive (VFD) on the Packed Tower Aerator (PTA) influent pump, repair of a power lead break to well CW-15A, and replacement of granular carbon in the backup off-gas treatment system. An overall reliability assessment was completed for the entire groundwater extraction and treatment system, with upgrades and repairs planned for 2004 and 2005.

The permanent groundwater collection system adjacent to the Softail facility was operated for the entire reporting period. This collection system consists of a shallow interceptor trench (or toe drain), a deep interceptor trench and drain, and a capture well

(CW-19). This system drains by gravity (except CW-19) to a pumping station, which was operated manually during 2003.

Science Applications International Corporation (SAIC) estimates that during the time period from January 2003 through December 2003, approximately 1,599 pounds of VOCs have been removed by the groundwater treatment system. The total amount of groundwater extracted during this 12-month reporting period was approximately 153 million gallons. Since initiation of the program, over 27,500 pounds of VOCs have been removed.

Groundwater elevation data collected in June and December 2003 indicate that operation of groundwater extraction wells at the NPBA and the WPL results in areas of groundwater table depression. These depressions (or troughs) act as capture lines for groundwater and they prevent off-site migration of VOC-impacted groundwater. The one exception to this occurred at the northeast corner of the NPBA (near CW-7/7A) in December 2003. The CW-7A well pump was not operating at this time due to a break in its underground power lead. The CW-7A power lead is scheduled for repair in 2004.

Extraction well CW-8 creates an area of groundwater depression in the TCA Tank Area. The pumping of this well prevents migration of VOCs from this interior plant area. Additionally, extraction well CW-15A (located at the northwestern corner of Building 4) has historically created a cone of depression in this former degreaser area. This extraction well typically captures localized VOC-impacted groundwater at this plant location. However, the extraction well at CW-15A only operated for 1.5 months during calendar year 2003 due to an underground electrical short and suspected iron fouling of the well pump and well materials. The electrical short has been repaired and the pump and well are scheduled for rehabilitation activities in 2004.

The combined influent total VOC concentrations in captured groundwater averaged 1,262 micrograms per liter (µg/L) during 2003. Trichloroethene (TCE), TCA, cis-1,2-dichloroethene (cis-1,2-DCE), and tetrachloroethene (PCE) are the predominant VOCs comprising the PTA influent chemistry. The results of monthly effluent sampling indicate that the PTA effectively removed VOCs to non-detectable concentrations during the reporting period.

During 2003, the extraction wells, off-site monitoring locations, and key monitoring wells were sampled for priority pollutant VOCs. Site-wide water levels were measured in June 2003 and December 2003. Little variation in the site groundwater table was noted during 2003. This situation is a result of the above average precipitation totals received during 2003, which kept the aquifer recharged.

VOC concentrations in the NPBA extraction wells indicate a generally decreasing trend since November 1990, while the trends in NPBA monitoring wells have fluctuated. The VOC concentrations in the TCA Tank Area extraction well (CW-8) exhibit generally decreasing concentration trends since June 1996. The TCA Tank Area monitoring wells generally show fluctuating concentration trends. VOC concentrations have generally decreased at the WPL extraction wells since May 1994.

Off-site sampling of three local water supplies (wells and springs) is routinely conducted near the northern edge of the property. Laboratory analysis of these samples detected no chemicals of concern common to Harley-Davidson groundwater.

1.0 INTRODUCTION

The purpose of this report is to summarize the operating record for the Harley-Davidson Motor Company Operations, Inc. (Harley-Davidson) groundwater extraction and treatment system, and to present groundwater quality data and groundwater level data monitored across the site. The Harley-Davidson facility is located in Springettsbury Township, York, Pennsylvania, as shown on Figure 1-1. This report covers a 12-month time period extending from January 1, 2003, through December 31, 2003.

The groundwater extraction portion of the system consists of 14 extraction wells (CW-1, CW-1A, CW-2 through CW-7, CW-7A, CW-8, CW-9, CW-13, CW-15A and CW-17) operating in three separate areas designated as the Northeast Property Boundary Area (NPBA), the West Parking Lot (WPL) Area (including the North Building 4 [NB4] Area), and the 1,1,1-Trichloroethane (TCA) Tank Area as shown on Figure 1-2.

Groundwater is also extracted from a subsurface gravity drainage system located along the upgradient (eastern) perimeter of Harley-Davidson's Softail facility. This collection system was implemented in 2002 and consists of approximately 800 feet of deep interceptor trench and approximately 600 feet of shallow interceptor trench. The location of the gravity drainage lines are shown on Figure 1-2.

All extracted groundwater is piped to a central treatment system, located in the groundwater treatment building (Building 41), for processing through a Packed Tower Aerator (PTA) system prior to discharge to an unnamed tributary of the Codorus Creek, designated outfall 003 (Figure 1-1). Figure 1-3 shows a schematic diagram of the system. Prior to May 1994, PTA off-gases were treated by a granular-activated carbon (GAC) filter system for removal of volatile organic compounds (VOCs) prior to discharge to the atmosphere. Since then, the VOCs have been directed from the PTA through a thermal

fume oxidizer (TFO) for destruction prior to discharge. The GAC system is used as a backup during periods of TFO shut-down.

The groundwater extraction and PTA treatment system was designed and installed pursuant to an order from the Pennsylvania Department of Environmental Protection (DEP), dated September 11, 1990. In November 1990, ten extraction wells in the NPBA and TCA Tank Areas were brought on-line, while ongoing studies were performed in the WPL. The WPL Area groundwater extraction system was brought on-line in May 1994. In conjunction with the WPL system start-up, PTA off-gases were redirected from the GAC filter to the TFO. Finally, the Softail dewatering system was officially brought on-line in March 2002.

On December 2, 1993, National Pollutant Discharge Elimination System (NPDES) permit No. PA0085677 was issued for the system. This permit was renewed on October 29, 1998. A second draft permit renewal was issued by the DEP on January 21, 2004.

The data presented in this report were collected by Science Applications International Corporation (SAIC) under contract to Harley-Davidson, and are summarized in the following chapter format:

- Chapter 2.0, *Geology and Hydrogeology*, briefly summarizes the hydrogeologic conditions of the site.

- Chapter 3.0, *Site-Wide Groundwater Monitoring*, summarizes groundwater levels and quality.

- Chapter 4.0, *Groundwater Extraction and Treatment System*, describes the design capacity of the system and presents the record of influent and

effluent water quality. The VOC loading to the PTA and TFO unit also is presented. Information regarding the Softail dewatering system is also presented.

- Chapter 5.0, *NPBA Groundwater Extraction System,* summarizes water levels and VOC concentrations for each extraction well in the NPBA. System performance is evaluated based upon observed trends in the data.

- Chapter 6.0, *TCA Tank Area Groundwater Extraction System*, describes operation and performance of extraction wells CW-8 and CW-16 located in this area. Water level and VOC concentration data are used to evaluate system performance.

- Chapter 7.0, *West Parking Lot Groundwater Extraction System*, describes the operation of extraction wells in this area. System performance, water level data, and VOC trends are presented.

- Chapter 8.0, *Softail Dewatering System*, describes the operation of the groundwater collection system in this area.

- Chapter 9.0, *Southern Property Boundary Area Well Monitoring,* describes the groundwater quality in this area where no groundwater extraction is currently occurring.

- Chapter 10.0, *Eastern Area Well Monitoring*, discusses the groundwater quality monitored in this area, which is upgradient of the plant.

- Chapter 11.0, *Off-Site Groundwater Monitoring*, presents the record of groundwater quality data for off-site locations. System effectiveness at preventing off-site migration is evaluated based upon these data.

2.0 GEOLOGY AND HYDROGEOLOGY

Two geologic rock formations underlie the site. Solution-prone, gray limestone underlies the flat lowland (western) portion of the site, and quartzitic sandstone underlying the more steeply sloping hills or upland area is present on the eastern part of the site. Groundwater beneath the site generally flows from the upland area at the eastern part of the site westward toward Codorus Creek. A detailed discussion of the geology and hydrogeology is included in SAIC's February 1995 report entitled, "Groundwater Extraction and Treatment System Annual Operations Report".

3.0 SITE-WIDE GROUNDWATER MONITORING

The groundwater monitoring program at the Harley-Davidson site for this year consisted of :

- Measuring depth to water in available monitoring and observation wells twice during the year; and,

- Sampling and chemical analysis of water from selected wells in June 2003.

3.1 Groundwater Flow Direction

The depth to water was measured in site-wide groundwater wells two times during the reporting period (June 9, 2003 and December 23, 2003). These measurements were taken in approximately 114 points in June and 110 points in December. The depth to water data was converted to groundwater surface elevations for these events, which are presented in Table A-1.

Figures 3-2 and 3-3 present the interpreted shallow groundwater table surface from water levels measured on June 9, 2003, and December 23, 2003. The general configuration of the water table in the eastern half of the site indicates a gradient towards the west-southwest. The water table gradient is relatively steep beneath the eastern portion of the site, which is underlain by sandstone. The water table gradient in the western half of the site is generally westward, toward the Codorus Creek. The water table gradient is relatively flat beneath the western portion of the site, which is underlain by limestone bedrock.

The June 2003 and December 2003 groundwater table contours were generally similar. A brief summary of seasonal water level fluctuations is presented below by bedrock aquifer type:

- The water levels in the eastern portion of the site underlain by sandstone were generally 1 to 2 feet higher in June 2003 compared to December 2003. This range was determined by using data for wells in areas that are not affected by the NPBA extraction wells. The higher levels in June can be attributed to groundwater recharge resulting from increased precipitation experienced during May and June 2003 (refer to Table 3-1). It should also be noted that during calendar year 2003, the York, Pennsylvania area experienced higher than normal precipitation amounts (refer to Table 3-2 and Figure 3-1).

- Water levels in the limestone aquifer were generally the same in December 2003 compared to June 2003. The water table beneath the WPL displayed an area of increased drawdown in December in the vicinity of extraction well CW-13. However, the groundwater contours for the two measurement events appear very similar for the WPL area.

3.2 Site-Wide Groundwater Sampling

Groundwater chemistry at the Harley-Davidson facility is currently monitored by sampling of a select group of monitoring wells, called "Key Wells" and active groundwater extraction wells. Groundwater sampling and analysis was conducted during June.

The Key Well program was initiated in 1992. Selected characterization wells were designated as "key wells" based upon location and spatial distribution in order to provide representative groundwater quality data across the site. The key wells have historically

been sampled annually to maintain a baseline of groundwater quality and to monitor changes in groundwater chemistry over time. Each year, the list of wells to be sampled is reviewed, and changes are made to cover new areas of concern, wells abandoned as a result of construction, or to achieve a better representation of the groundwater quality beneath the site.

Forty-three (43) key wells were sampled during June 2003. A summary of detected VOC results from the wells sampled is presented on Table A-2, and Figure 3-2 designates the wells sampled in June. Additionally, 13 active groundwater extraction wells were sampled in June and December 2003, with the results tabulated in Table A-3.

General groundwater quality trends based on current and past analytical results are discussed in subsequent chapters of this report.

4.0 GROUNDWATER EXTRACTION AND TREATMENT SYSTEM

The groundwater extraction and treatment system serves to remediate groundwater containing dissolved VOCs in five main areas of the site: NPBA, TCA Tank, NB4, WPL, and the Softail dewatering system.

4.1 System Description

Extraction wells within the four main groundwater extraction areas remove groundwater by means of electric submersible pumps. A lift station pump removes water from a series of collection trenches in the vicinity of the new Softail plant. The pumping water level within each extraction well is maintained by liquid level probes and control circuitry between the "on" and "off" probes, thus producing an area of drawdown and groundwater capture. The extracted groundwater is conveyed via underground piping to the treatment system where the dissolved VOCs are removed from the groundwater.

The groundwater treatment system is housed in a 30-foot by 40-foot block building attached to the west wall of the industrial wastewater treatment plant (IWTP). The process flow diagram for the system is presented in Figure 1-3. The treatment system consists of a 2,600-gallon equalization tank; a 5 foot-diameter by 47 foot high PTA capable of treating 400 gallons per minute (gpm) of water; and a TFO/incinerator for PTA off-gas treatment. A 10,000-pound vapor-phase GAC unit serves as backup to the TFO.

Extracted groundwater is pumped from the equalization tank at a maximum flow rate of 400 gpm to the top of the PTA. The water is then distributed evenly over the top of the polypropylene packing and flows down through the 36-foot packed section of the PTA. A 4,000 cubic foot per minute (cfm) centrifugal blower draws air through the PTA column. The VOCs are effectively "stripped" from the water and then destroyed by

thermal oxidation as the off-gas passes through the TFO. The treated groundwater flows, by gravity, from the PTA sump to a storm water outlet (Outfall No. 3) and is discharged to an unnamed tributary of the Codorus Creek.

The groundwater treatment system is equipped with a PC-based Site Boss® monitoring system. Remote computer terminals are located in both Harley-Davidson and SAIC offices where extraction well pumping rates and treatment processes can be monitored. System and extraction well pumping rates are adjusted manually at the site. System data recorded via the Site Boss® in 2003 is included in Appendix B.

4.2 System Maintenance and Modifications

Twice a month system inspections are performed on the groundwater treatment system at the Harley-Davidson facility. The purpose of these inspections is to ensure that the system is operating effectively. A summary of operation and maintenance data recorded during these visits is included in Appendix C. Items checked during each visit include the following:

- Check for system alarms
- Inspect control panels
- Check water conveyance line pressures
- Check pressure differential across the stripping tower
- Check piping and pumps for leaks
- Clean y-strainers and flow meter paddle wheels, as necessary
- Check and record amperage draws on all motors
- Record flow rates on recovery wells and transfer pump
- Inspect TFO components

Several significant maintenance-related modifications or repairs were identified and addressed during the report period. A brief summary of each is presented below:

- The equalization (EQ) tank transfer pump required frequent (daily) flow adjustments in order to maintain a balanced level. Too low a pumping rate results in filling of the tank and shut down of the extraction wells. Too high a pumping rate results in wear to the transfer pump, and potential damage to process pipe. A variable frequency drive (VFD) was installed to automatically control the flow rate with respect to EQ tank levels. The VFD became operational on December 9, 2003.

- The TFO blower shaft and bearing were replaced in August, 2003. Because of the problems with the TFO, it was off-line from January to August 2003. During this time, PTA off-gases were diverted to the backup carbon absorption system for treatment.

- Due to its heavy use, the GAC was removed and replaced in May 2003.

- A break in the power lead to the pump in CW-15A was identified. New power and control probe wiring was installed from Building 41 to CW-15A.

- The packed tower continues to be maintained by acid-washing the packing approximately every two to three months. This maintenance program has successfully kept the PTA operational.

- An annual update to the existing Operations and Maintenance manual was prepared and delivered to Harley-Davidson in October 2003.

An overall reliability assessment was conducted for the entire groundwater extraction and treatment system, with additional upgrades/repairs planned to occur in 2004 and 2005.

4.3 Groundwater Withdrawal and Removal

Table 4-1 presents recorded groundwater withdrawal and total VOC removal that has been accomplished by the groundwater extraction and treatment system. A system-wide total of approximately 27,500 pounds of VOCs have been removed since the groundwater treatment system began operation in November 1990. On average, prior to start-up of the WPL system in May 1994, approximately 131 gpm of groundwater and 1.2 pounds per day of total VOCs were being extracted by the system. Since the WPL system became operational, the average groundwater-pumping rate from 1995 through December 2002 was approximately 272 gpm with 7.2 pounds per day of total VOCs being removed.

The total amount of groundwater extracted during the period from January 1, 2003, through December 31, 2003, represents the first full year of groundwater recovery with the Softail dewatering system on-line. The overall 2003 groundwater recovery was approximately 153 million gallons (an average of 419,000 gallons per day [gpd]; 291 gpm). This extraction rate is 26 percent higher than the previous year (2002) when the average values were approximately 332,304 gpd and 231 gpm. This increase in extraction volume is the result of a combination of items including increased aquifer recharge (due to increased precipitation totals), the addition of the Softail dewatering flow, and continued proactive maintenance of the extraction well network to keep the system operating.

Quarterly PTA influent analyses (shown in Table A-4), along with the measured extraction volumes are used to calculate the mass of VOCs removed from site groundwater during the reporting period (see Figure 4-1). Using this data, the total estimated mass of VOCs removed from January 2003 through December 2003 was

1,599 pounds (133 pounds per month). This mass removal rate is greater than the value calculated during the previous reporting period (119 pounds per month). Estimated pounds per day of total VOCs extracted by the groundwater treatment system for the last ten calendar years are shown below. Calendar year calculations were not reported prior to 1994.

- 2003 – 4.4 pounds/day
- 2002 – 3.9 pounds/day
- 2001 – 4.6 pounds/day
- 2000 – 4.9 pounds/day
- 1999 – 5.4 pounds/day
- 1998 – 7.7 pounds/day
- 1997 – 7.3 pounds/day
- 1996 – 10.0 pounds/day
- 1995 – 15.3 pounds/day
- 1994 – 10.7 pounds/day

From the time that groundwater remediation began in November 1990, until start-up of the WPL extraction system in May 1994, the PTA influent concentrations averaged approximately 750 micrograms per liter (μg/L) of total VOCs. Following start-up of the WPL system, the average total VOC concentration spiked to greater than 10,000 μg/L, and has asymptotically decreased to date. The average total VOC concentration detected in the PTA influent samples during the report period was approximately 1,262 μg/L. The trend in PTA influent total VOC chemistry is illustrated on Figure 4-1. Figure 4-2 shows PTA influent chemistry trends since the start of pumping for Tetrachloroethene (PCE), TCA, Trichloroethene (TCE), and 1,1-Dichloroethene (1,1-DCE).

The PTA effluent is sampled and reported on a monthly basis, as required by the NPDES permit. Analytical testing results for the reporting period are presented in Table A-4. The treatment system effluent has maintained non-detectable concentrations of target VOCs during this reporting period.

5.0 NPBA GROUNDWATER EXTRACTION SYSTEM

Groundwater extraction at the NPBA commenced in November 1990. Nine groundwater extraction wells (CW-1, CW-1A, CW-2, CW-3, CW-4, CW-5, CW-6, CW-7 and CW-7A) pump to the NPBA control building where individual pumping rates are controlled and measured. The groundwater from each well is combined to a common 3-inch diameter pipe, which transmits the water a distance of approximately 2,300 feet to the groundwater treatment system.

5.1 System Operational Conditions

The majority of the NPBA extraction wells operated continuously during the report period. On occasion, the groundwater extraction data presented on Table 5-1 indicate diminished volumes from a specific well. These periods of interrupted pumping were related to various repairs and maintenance of the system. Electrical shorts were identified during calendar year 2003 in the underground power cables for two well pumps (CW-1 and CW-7A). As a result, these pumps did not operate for the second half of 2003. Repair efforts are scheduled for 2004.

Table 5-1 presents a record of monthly groundwater withdrawals for each extraction well on-site for this reporting period. During 2003, the NPBA extraction system removed approximately 6.2 million gallons of groundwater at an average rate of approximately 518,000 gallons per month, or 11.8 gpm. This volume is greater than the withdrawal from the NPBA during last year's report period (10.7 gpm), and is likely the result of above average rainfall received in 2003. Figure 5-1 presents a graphical comparison of the total volume of groundwater pumped from the NPBA with respect to the other on-site systems.

Measured groundwater levels for the current report period are presented in Table A-1. The groundwater contour maps (Figures 3-2 and 3-3) show the effect the groundwater extraction system imposed on the water table at the NPBA on June 9, 2003, and December 23, 2003. Additionally, Table 5-2 summarizes measurements of water levels for extraction wells in the NPBA during 2003. This table also lists design "pump on" and "pump off" water level elevations. The NPBA wells require frequent flow adjustments in order to maintain a balanced number of pump cycles, which is controlled by the pumping rate of each well. When a flow rate is too low for current conditions, it results in water levels above the “pump on” elevation, and a high level alarm.

A review of Table 5-2 indicates that during the June measurement event, the water levels in wells CW-2 through CW-7A were above the design range. This is likely the result of excessive recharge to the aquifer due to above average precipitation during May and June 2003 (Table 3-2). This suggests that the individual flow rates were not adjusted properly at the time of the measurement event. However, the groundwater contours on Figure 3-2 do indicate that areas of groundwater depression are present along the northeast property which suggests that groundwater capture was occurring.

All groundwater levels measured in the NPBA extraction wells during December 2003 were above the design range (refer to Table 5-2). This observation again suggests that the individual well flow rates were not adjusted properly. However, the December 2003 groundwater contours indicate cones of depression around each of the active NPBA extraction wells, which intercept off-site migration of VOC-impacted groundwater. The exception to this occurred in the northeast corner of the site near wells CW-7/7A. An electrical short in the power wiring to the pump at CW-7A has prevented this well from operating during the second half of 2003.

Based on a review of the water level data presented herein, two actions have been identified to assist in ensuring groundwater capture along the NPBA. Automating the

valves at the NPBA to better regulate the flow rates was identified as a needed improvement during the reliability study and is a planned improvement for 2004. Additionally, replacement of the power wiring leading to CW-7A (and CW-1) is also planned for 2004 to restore operation of the well pumps at these locations.

Maintenance

SAIC replaced several groundwater extraction well pumps and acid cleaned the underground conveyance piping during the report period. Flow meters, y-strainers, check valves, and other components of the groundwater extraction system are maintained on a twice per month schedule. A brief summary of several maintenance issues addressed in 2003 is presented below:

- A new pump end was installed at CW-6 on May 30, 2003.
- The pump end was replaced at CW-3 on February 28 and again on July 7, 2003.
- A new pump end was installed at CW-4 on July 25, 2003.
- A new pump and motor was installed on CW-7A on July 25, 2003.
- The underground groundwater conveyance lines were acid washed in May 2003.

The current maintenance program has been sufficient to keep the system operational.

5.2 Groundwater Chemistry

Three monitoring wells (MW-10, MW-12, and RW-2) and nine extraction wells (CW-1 through CW-7, CW-1A and CW-7A) were sampled at the NPBA during the report period to evaluate the effectiveness of the NPBA groundwater remediation system. The results of laboratory analyses for the monitoring wells and the extraction wells are summarized on Tables A-2 and A-3, respectively. Historical chemistry results are included for each well in Appendix D.

The dominant VOCs found in groundwater beneath the NPBA are TCE and PCE (refer to Table 5-3). Concentrations of TCE in the NPBA extraction wells are shown collectively on Figure 5-2. Concentrations of TCE in these wells have not changed significantly from the 2002 to 2003 routine sampling events. The highest concentration of TCE reported for sampling performed at the NPBA in 2003 was in extraction well CW-7A (1,180 μg/L). Since start-up of the NPBA extraction system, a gradual decreasing TCE concentration trend is observed for each NPBA extraction well.

Historical concentration trends of TCE and other dominant VOCs (PCE, TCA, and cis-1,2-Dichloroethene [DCE]) are illustrated for each of the NPBA extraction wells on Figures 5-3 through 5-11. TCE is the primary contaminant in all of the NPBA wells except for CW-6 (PCE). A review of Figures 5-3 through 5-11 indicates that since pumping began, a decreasing concentration trend exists for TCE at all wells except CW-1. The CW-1 TCE concentration exhibits a fluctuating concentration trend. With a few exceptions, PCE has historically been found near or below the analytical reporting limit in samples from the NPBA extraction wells. The most noted exception is CW-6, where the concentrations of PCE historically and currently exceed TCE concentrations.

Concentrations of TCE in the NPBA key wells are shown on Figure 5-12. Fluctuating concentration trends are noted for TCE at the MW-10 and MW-12 sampling locations. The concentration of TCE in these two wells has remained below 500 μg/L over the last three years. The off-site monitoring location (RW-2) continues to demonstrate effective capture of groundwater by the NPBA collection wells by the low concentrations of VOCs detected in that well. The only VOC detected at this location (TCE) was reported at a concentration (2.7 μg/L) that is below the drinking water MCL of 5 μg/L. The concentrations of TCE at all three key wells are consistent with previous results.

6.0 TCA TANK AREA GROUNDWATER EXTRACTION SYSTEM

Groundwater extraction was initiated in November 1990 from CW-8, located south of Building 91, to prevent TCA migration and remove VOCs from the groundwater in this area. Groundwater extraction was initiated in February 1995 from CW-16 to contain and remediate groundwater beneath the former degreaser area located inside Building 2, 150 feet east of CW-8. Groundwater from the TCA Tank Area is conveyed a distance of approximately 1,000 feet through a 3-inch diameter pipe to the groundwater treatment system.

Initially, extraction well CW-8 was pumped at a rate higher than necessary to maintain capture. The early goal was to reverse the direction of migration prior to initiation of groundwater pumping in the WPL, which would have potentially pulled the western edge of the TCA Tank plume further west, dispersing the concentrated source area. Prior to pumping of the WPL, the groundwater treatment plant, which was designed to handle water from the WPL, had excess capacity. Thus, the capacity was utilized to address the TCA Tank plume. When the WPL extraction system came on-line in May 1994, the pumping rate of CW-8 was reduced to a level that maintains capture of the TCA Tank Area plume.

In June 2002, extraction well CW-16 was removed from service. The pump at this well had failed. Because of the difficulty of servicing CW-16 due to its location in a busy manufacturing area, the ability of CW-8 to maintain capture, and the potential that groundwater extraction in the TCA area will soon be reconfigured or eliminated, it was decided to discontinue groundwater extraction from this well.

6.1 System Operational Conditions

Extraction well CW-8 in the TCA Tank Area has generally operated continuously during the report period. Table 5-1 presents a record of monthly groundwater withdrawals from extraction well CW-8. During 2002, approximately 43 million gallons of groundwater were extracted from the TCA Tank Area, averaging approximately 3.6 million gallons per month (83 gpm). This groundwater extraction rate is greater than the previous report period when an average of approximately 78 gpm was calculated. This increase can be attributed to above average rainfall totals that recharged the aquifer and the installation of a new well pump and motor in May 2003.

The groundwater contour maps (Figures 3-2 and 3-3) indicate water level conditions that existed on June 9, 2003, and December 23, 2003. Additionally, Table 5-2 summarizes measurements of water levels for the CW-8 extraction well in the TCA Tank Area. The table also lists design "pump on" and "pump off" water level elevations.

During the June 2003 measurement event, the observed water level was several feet above the design drawdown levels for this well. This situation was a result of the fact that the well pump for CW-8 was temporarily shut down on this date. Prior to installing the VFD on the PTA transfer pump (see Chapter 4), the well pump at CW-8 was shut down during periods of manual pumping of the Softail lift station. The purpose for this was to prevent the EQ tank from shutting down due to the fact that the influent rate to the EQ tank would exceed the PTA transfer pump rate when both CW-8 and the lift station pump were running.

The December 2003 groundwater level measured at CW-8 was also above the design drawdown level for this well. However, the water level at this location was approximately 3 feet below the elevation measured in nearby wells. This confirms that an area of groundwater depression existed at CW-8. The well pump was noted to be

running wide open at the time of the December 23, 2003, measurement event, therefore, the reason for the high groundwater level is likely due to the above average precipitation amounts received in 2003.

Based on the monthly total flow data, the CW-8 daily extraction rate for CW-8 averaged approximately 120,000 gpd. This value equates to a monthly average of 3.6 million gallons, which represents a ten percent increase from 2002 (3.3 million gallons per month).

Maintenance

A new well pump and motor were installed at CW-8 in May 2003 because the amperage draw of the motor was at full load and it was expected to fail in the near future. Additionally, a new flush-mounted well vault was installed at CW-8 to ensure the integrity of this well is maintained.

6.2 Groundwater Chemistry

This area is the site of a past TCA spill, which resulted in initially high concentrations of TCA. Groundwater extraction and treatment was initiated at CW-8 in November 1990. This remedial effort resulted in a rapid decrease in TCA concentrations near the release (see Figure 6-1 for rate of change), with adjacent monitoring wells exhibiting flat concentration trends (Figure 6-2). The cone of groundwater depression resulting from the active extraction well resulted in intercepting existing TCE (and PCE) sources of unknown location(s) around January 1994. As a result of continued groundwater extraction, TCE is now the dominant VOC in groundwater beneath this area (refer to Table 6-1).

Six monitoring wells (MW-32S&D, MW-34S&D, MW-35D, and MW-54) and extraction well CW-8 were sampled at the TCA Tank Area during the reporting period to monitor the effectiveness of the groundwater remediation system. The results of laboratory analyses are presented in Tables A-2 and A-3, respectively. A summary of historical chemistry results for each well are included in Appendix D.

As noted above, TCE is the dominant VOC in this area. A review of Figure 6-3 indicates that TCE concentrations show a generally declining trend in extraction well CW-8 since June 1996. Figure 6-4 shows the concentration trends for TCE with respect to other dominant VOCs in extraction well CW-8 since the start of pumping. Concentrations of VOCs in CW-8 indicate generally stable or slightly decreasing concentration trends over the past seven years.

A review of analytical data confirms that the dominant VOC present at CW-8 has shifted from TCA to TCE. In 1990, TCA accounted for 80 percent to 85 percent of the total VOC concentration at this well. In 2003, TCA accounted for 6 percent of the total VOC concentration while TCE accounted for 67 percent of the total VOC concentration in well CW-8.

The TCA Tank Area monitoring wells exhibit fluctuating concentration trends for TCE (see Figure 6-5). This observation suggests that a TCE source remains in the subsurface at this area. A review of the total VOC data for the monitoring wells indicates the following noteworthy item:

- The MW-54 and MW-32D sampling locations both exhibit similar decreasing/increasing/decreasing TCE concentrations over the past three years (Figure 6-5). Additionally, these two wells both contain similar ratios of individual VOCs (Table 6-1). The magnitude of TCE concentrations and VOC ratios at MW-32S are not similar to those observed at MW-32D and MW-54.

These data may suggest that shallow TCE impacted groundwater near MW-54 is migrating along a flow path that takes it deeper in the aquifer as it moves downgradient.

In summary, a review of groundwater quality data from six monitoring wells shows fluctuating VOC concentration trends. Data for active groundwater extraction well CW-8 indicate generally decreasing concentrations of VOCs in groundwater beneath the TCA Tank Area since June 1996. Data from the TCA Tank Area indicates that TCE is now the dominant VOC present.

7.0 WEST PARKING LOT GROUNDWATER EXTRACTION SYSTEM

Three groundwater extraction wells (CW-9, CW-13, and CW-17) operate in the WPL Area of the Harley-Davidson property. One additional extraction well (CW-15A) is located near the exterior northwest corner of Building 4 (NB4). These four wells are referred to as the WPL wells. The purpose of the WPL groundwater extraction system is to prevent off-site migration of groundwater containing dissolved VOCs and to control the migration of VOCs in a plume located near the northwest corner of Building 4. Extracted groundwater from the WPL wells is conducted via underground piping to the groundwater treatment system in Building 41. The wells are individually piped to the groundwater treatment plant so that flow control, flow measurements and water samples may be obtained for each well at this central location. Water is piped the following distances from the wells to the treatment plant: CW-9 (1,320 feet); CW-13 (890 feet); CW-15A (310 feet); CW-17 (590 feet).

Extraction wells CW-9, CW-13, and CW-15A began operation in May 1994, and CW-17 began operating in September 1995. Well CW-17 was a replacement extraction well for CW-14, which was discontinued due to excessive sediment buildup in the well.

7.1 System Operational Conditions

Approximately 102 million gallons of groundwater were extracted from the WPL Area during 2003 (see Table 5-1), averaging approximately 8.5 million gallons per month (195 gpm). This groundwater extraction rate represents a 37 percent increase from 2002 when the extraction rate was approximately 142 gpm. A graphical comparison of the WPL groundwater extraction volumes to the other site extraction systems is presented on Figure 5-1.

The groundwater contour maps (Figures 3-2 and 3-3) show the effect the groundwater extraction system imposed on the water table at the WPL Area on June 9, 2003, and December 23, 2003. Groundwater contours indicate a general area of groundwater surface depression surrounding the WPL Area. This situation confirms that capture of local groundwater is occurring and that off-site migration is being prevented.

Table 5-2 summarizes measurements of water levels for extraction wells in the WPL. The table also lists design "pump on" and "pump off" water level elevations. During the June 2003 measurement event, water levels in wells CW-9, CW-13, CW-15A and CW-17 were all slightly above the designed range. These observations indicated that adjustments to the pumping rates, which is a regular operations task, were necessary. During the December 2003 measurement round, water levels were maintained at or within the design-drawdown range for wells CW-13 and CW-17. The December 2003 levels at CW-9 and CW-15A continued to be above the designed range.

Maintenance

The WPL wells operated as designed throughout the report period with short interruptions for maintenance and repairs. A brief summary of several maintenance issues addressed in 2003 is presented below:

- A new pump and motor was installed at CW-13 on March 6, 2003.
- A new pump and motor was installed at CW-15A on March 6, 2003.
- A sinkhole opened up adjacent to well CW-13 in the WPL on August 15, 2003. The pump in well CW-13 was shut down until the sinkhole could be repaired. The sinkhole was excavated and backfilled with a reverse graded filter, which was completed on August 27, 2003. The pump in this well was re-started on this date.

- The well pump at CW-15A was disabled in September due to the need for well rehabilitation services, which are scheduled to be performed in the first half of 2004.

The current maintenance program has maintained reliable operation of extraction wells CW-9, CW-13, CW-15A, and CW-17.

7.2 Groundwater Chemistry

Fourteen WPL monitoring wells are regularly sampled as part of the key well event (MW-5, MW-6, MW-37S, MW-37D, MW-38D, MW-39S, MW-39D, MW-51S, MW-51D, CW-12, MW-74S, MW-74D, MW-75S, and MW-75D). Additionally, two first time key wells (MW-7 and MW-47) were sampled in the WPL Area during 2003. Finally, three extraction wells (CW-9, CW-13 and CW-17) were sampled in the WPL Area during the report period. The results of laboratory analyses for the monitoring wells and the extraction wells are summarized on Tables A-2 and A-3, respectively. A summary of historical chemistry results for each well are included in Appendix D.

TCE is the dominant VOC recovered by three of the four extraction wells in this area (excluding CW-9), as evidenced on Table 7-1. PCE is the dominant VOC detected in groundwater extracted from CW-9. TCE concentrations for the northern WPL monitoring wells, the southern WPL monitoring wells, and the extraction wells are graphed on Figures 7-1, 7-2, and 7-3, respectively. Concentrations of TCE with respect to other dominant VOCs in the WPL extraction wells are graphed on Figures 7-4 through 7-7.

Since start-up of the WPL extraction system, an initial increase, followed by a generally decreasing TCE concentration trend is observed for each of the extraction wells.

Concentrations of total VOCs in the extraction wells exhibit a flat or decreasing concentration trend over the last eight years, with the following exception:

- VOC concentrations have generally decreased in extraction well CW-9, with the exception of two spikes in TCE and PCE concentrations since 1997. These spikes in concentrations have subsided, and the generally declining trend has returned. It is suspected that the spikes were caused by migration of VOCs in groundwater from source areas some distance from CW-9. Subsequent investigations have found significant "sources" of VOCs at the locations of MW-37 and MW-75, approximately 220 feet southwest of CW-9. Another VOC source is suspected at a location approximately 175 feet west-northwest of CW-9.

The dominant VOCs detected in the WPL monitoring wells are TCE (at CW-12, MW-5, MW-7, MW-38D, MW-39S, MW39D, MW-47, MW-51S, MW-52D, MW-74S, and MW-74D) and PCE (at MW-37S, MW-37D, MW-75S, and MW-75D). Concentrations of the most prevalent VOC in this area (TCE) are graphed for key wells on Figures 7-1 and 7-2. Most of the WPL monitoring wells exhibit a relatively flat or gradual decreasing TCE concentration trend.

The following noteworthy observations for the WPL sampling locations were identified during the June 2003 sampling event:

- Concentrations of TCE and PCE detected at the MW-75S and MW-75D cluster represent the highest at the site. The TCE and PCE concentrations at MW-75S decreased during the past year (from 2002 to 2003) by 45 percent and 55 percent, respectively. However, the TCE and PCE concentrations at MW-75D increased during the past year (from 2002 to 2003) by 225 percent and 71 percent, respectively.

- Four of the five site-wide detections for dissolved chromium were reported for the WPL wells (MW-7, MW-47, MW-51S, and MW-75D). Concentrations of dissolved chromium ranged from 0.011 milligram per liter (mg/L) (MW-75D) to 2.33 mg/L (MW-47). The United States Environmental Protection Agency's (EPA) maximum contaminant level (MCL) for chromium in drinking water is 0.1 mg/L.

- Three of the four site-wide detections of hexavalent chromium were reported for the WPL wells (MW-7, MW-47, and MW-51S). The hexavalent chromium concentrations varied between 0.077 mg/L (MW-7) and 1.79 mg/L (MW-47). The EPA does not currently have a drinking water MCL for hexavalent chromium.

- The only site detection for nickel was reported for well MW-51S. The reported concentration is 0.05 mg/L. The EPA does not currently have a drinking water MCL for nickel.

- Total and free cyanide were detected at the MW-51S location at concentrations of 0.019 mg/L and 0.005 mg/L, respectively. The EPA's drinking water MCL for cyanide is 0.2 mg/L.

8.0 SOFTAIL DEWATERING SYSTEM

Harley-Davidson has expanded its facility through the construction of a new Softail production plant. This new facility was constructed in the eastern portion of the site, in the vicinity of the former test track. Due to the potential for shallow VOC-impacted groundwater to discharge to the surface and to the lowest floor of the facility, a permanent groundwater collection system was designed as part of the project. The permanent groundwater collection system for the Softail site consists of a shallow interceptor trench (or toe drain), a deep interceptor trench and drain, and a capture well (CW-19). All three components of the groundwater collection system are designed to direct flow to a pumping station. From the pumping station, the groundwater is transported via underground piping to the groundwater treatment facility located in Building 41 (see Figure 1-2). Groundwater collection via this system was initiated in March 2002. During calendar year 2003, this system collected over 744,000 gallons of groundwater (refer to Table 5-1).

8.1 Toe Drain System

The northeast corner of the Softail site was identified as the area with the most potential for groundwater to discharge to the surface after final grading. To prevent the potential for human contact with the groundwater, a toe drain was installed at the bottom of the slope cut. This was designed to collect groundwater from this area, thus lowering the groundwater levels and minimizing surface discharges downgradient of the toe drain. The toe drain was constructed as a shallow trench drain filled with gravel and 4-inch perforated PVC piping. The toe drain trench was lined with geotextile fabric to minimize sedimentation of the piping. An impermeable layer was placed on top of the trench to reduce infiltration of surface water into the drain. The toe drain was connected to the permanent groundwater collection system so that long term groundwater control for the northeast corner of the site would be addressed.

8.2 Deep Trench Drain

The deep trench drain was installed along the eastern perimeter of the building due to the high probability of groundwater levels encountering the lower floor of the facility. The deep trench drain is sloped to gravity drain to the lift station. The depth varies from 22 feet to 26 feet. Four cleanouts were installed along the 760-foot length of piping. The deep trench drain was constructed of perforated PVC piping in a trench filled with coarse gravel. Prior to installation of the piping and drainage course, the trench was lined with a geotextile fabric to minimize sediment mixing with the gravel.

8.3 Capture Well (CW-19)

A capture well (CW-19) and force main were installed in the paint sludge pit area of the new plant. The paint sludge pit area consists of a 27-foot deep pit used to house the paint sludge holding tank. CW-19 was installed 7 feet deeper than the pit so that the well could be programmed to begin pumping prior to the groundwater level reaching the elevation of the bottom of the pit. The force main was installed to transfer groundwater captured in the well to the lift station. The force main was installed with a slope towards the lift station so that groundwater does not remain in the line after the well pump stops running.

8.4 Lift Station

The lift station is located north of the Softail building. The lift station conveys groundwater to the groundwater treatment plant in Building 41. The lift station was operated manually via a circuit breaker on the north wall of the Softail plant during 2003. Recently (January 14, 2004), the system controls were finalized and pumping operations have been automated and pump operation can be controlled remotely.

8.5 Groundwater Chemistry

Sampling of groundwater collected by the lift station was initially performed in June 2003 in response to a reporting requirement for the Susquehanna River Basin Commission (SRBC). The parameters analyzed in the lift station groundwater sample were general water quality parameters. A summary of the sampling results is included on Table A-5.

One groundwater sample was collected from the lift station in 2003 for the analysis of VOCs. A review of the results from the December 2003 sampling event indicate that TCE and PCE are the most dominant VOCs present at this location (36.0 and 26.3 µg/L, respectively). The analytical results from December 2003 are included on Table A-4. VOC analysis of groundwater collected by the lift station is scheduled to occur twice (in June and December) during calendar year 2004.

9.0 SOUTHERN PROPERTY BOUNDARY AREA WELL MONITORING

Six wells (MW-40S&D, MW-43S&D, and MW-64S&D) located near the Southern Property Boundary Area (SPBA) were sampled as part of the key well sampling program during the reporting period. The dominant VOC detected in groundwater beneath this area is TCE, followed by lesser concentrations of PCE. The analytical results are summarized on Table A-2. A summary of historical chemistry results for each well are included in Appendix D.

Concentrations of TCE, the most prevalent VOC in this area, are graphed and included as Figure 9-1. This illustration shows the relative concentrations of TCE in selected SPBA wells since 1990. Concentrations of TCE in the groundwater of this area have remained similar or have declined since April 2000. The highest concentrations of TCE in this area continue to be observed at MW-64D (located in the southeast corner of the property) and at MW-43D. The June 2003 sampling event confirmed a maximum TCE level of 1,070 μg/L at the MW-64D sampling location. All other monitored wells in the Southern Property Boundary are below 1 mg/L, and show flat concentration trends.

10.0 EASTERN AREA WELL MONITORING

As part of the key well sampling program, two wells (MW-2 and MW-17) have routinely been sampled to monitor groundwater quality near the eastern portion of the Harley-Davidson property. Two new wells (MW-91 and MW-92) were added as key wells in 2001 to monitor this area. The analytical results from sampling performed in 2003 are summarized on Table A-2. A summary of historical chemistry results for each well are included in Appendix D.

With the exception of MW-17, PCE is the dominant VOC detected in groundwater beneath this area. TCE is also present in groundwater sampled at each of the eastern area locations. The historical concentrations of PCE and TCE are graphed and included as Figures 10-1 and 10-2. A summary of the data trends observed for the eastern area is presented below:

- MW-2 is located next to a former cyanide disposal area near the eastern site property boundary. PCE and TCE were the only VOCs detected at this location in 2003, with PCE being the most dominant VOC. The June 2003 PCE concentration represents a 33 percent decrease from last year (from 273 μg/L to 184 μg/L). Overall, TCE and PCE concentrations exhibit generally decreasing trends since monitoring began in 1986.

- Monitoring well MW-17 is located in the east-central portion of the site, downgradient and west of the landfill. The only VOC detected in the June 2003 sample from this location was TCE (79.8 μg/L). TCE concentrations have exhibited a gradual decreasing concentration trend since it was initially detected at a maximum concentration of 254 μg/L in 1987.

- Both monitoring wells MW-91 and MW-92 were sampled for only the fourth time in 2003. The total VOC concentrations reported for both wells are consistent with the original detections recorded in 2000.

- MW-2, MW-91, and MW-92 all contained detectable concentrations of total cyanide. The reported concentrations ranged from 0.019 mg/L (MW-92) to 1.67 mg/L (MW-2). The EPA's drinking water MCL for cyanide is 0.2 mg/L.

11.0 OFF-SITE GROUNDWATER MONITORING

A quarterly sampling program of off-site groundwater supplies adjacent to and downgradient of the Harley-Davidson property was initiated in April 1988. During this report period, sampling occurred in March 2003, June 2003, September 2003, and December 2003. Three groundwater/surface water locations (designated "RW" for a residential well and "S" for a spring sample) were included in this sampling program during the report period and are identified below:

- RW-4 - Folk residence, Folk property residential.
- S-6 - Hollinger spring, Tate property residential.
- S-7 - Wilhide spring, Herman property residential.

Well RW-5 (Giambalvo Pontiac) was formerly sampled as part of this program but is no longer utilized as a water supply well, and therefore was not sampled during the reporting period. Harley-Davidson connected Giambalvo Pontiac to the city water supply in January 1999. The off-site well sampling results are summarized in Table A-6.

Groundwater sampling locations RW-4, S-6, and S-7 are located to the north of the Harley-Davidson property as shown on Figure 1-2. A complete description of baseline sampling of residential wells is contained in the R.E. Wright Environmental, Inc. report, entitled "Report of Investigations in the NPBA, TCA tank, and containment areas of the Harley-Davidson, Inc. York facility", dated August 1988. These off-site samples were analyzed for VOCs and free and total cyanide. Concentrations of TCE, the most prevalent VOC (when detected), are graphed and included as Figure 11-1. A summary of the sampling results from the off-site locations is provided below:

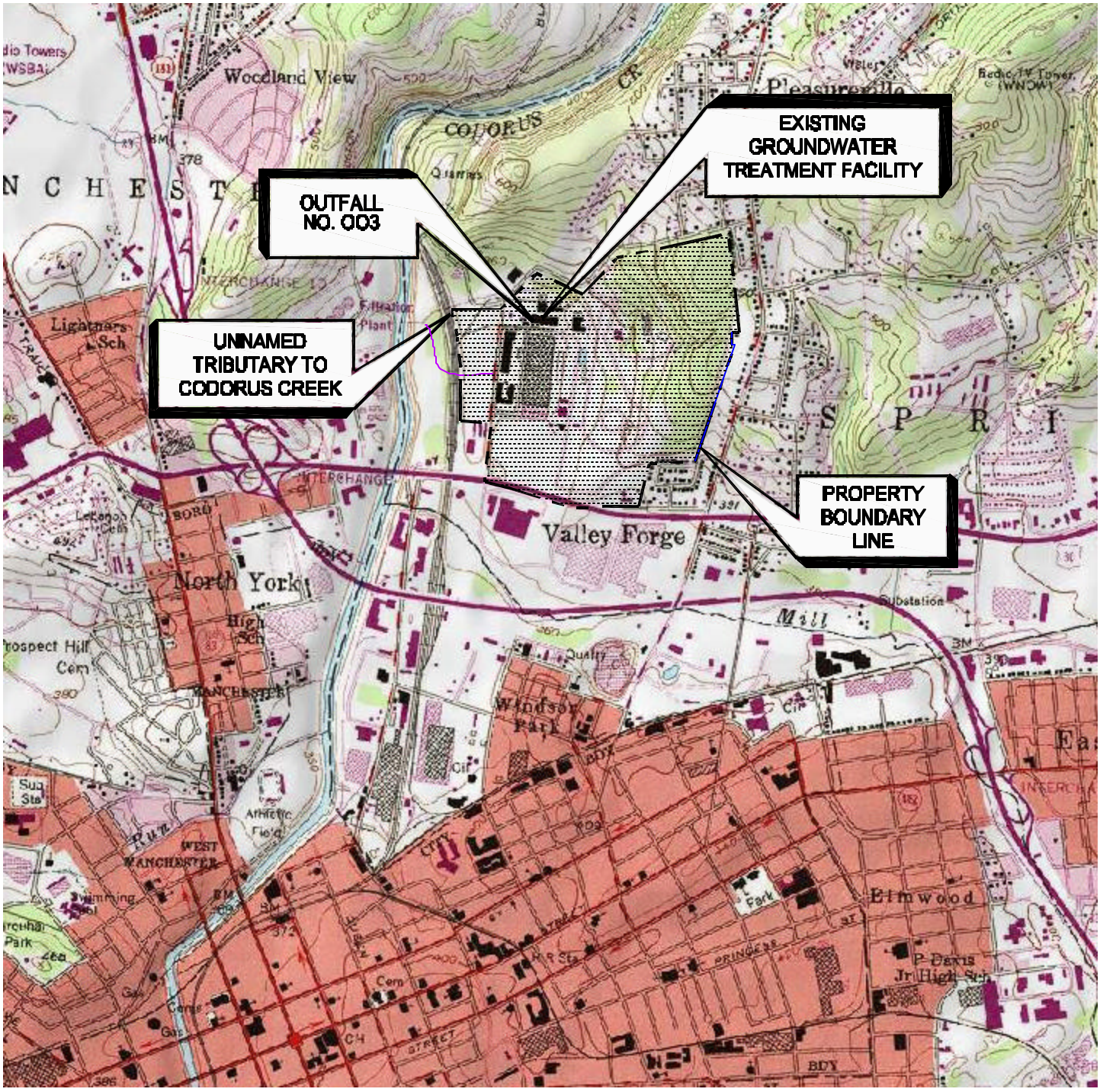
- VOCs and free cyanide were not detected during any of the sampling events in 2003 for RW-4 (Folk Residence). Total cyanide was detected in

RW-4 during the June event at a low concentration of 0.007 mg/L. All parameters tested in samples from this well remain below EPA established drinking water MCLs.

- Cyanide was not detected during any of the sampling events in this reporting period for S-6 (Tate Residence - formerly Hollinger). One VOC, chloroform, was detected during all four sampling events at concentrations ranging from 2.2 μg/L to 3.6 μg/L. Chloroform has been consistently detected at similar concentrations in S-6 during every sampling event since September 1995, but concentrations remain below the MCL of 100 μg/L. One other VOC (bromomethane) was detected at this location during the June event. However, this parameter was also detected at similar concentrations in the trip blank and is believed to be the result of laboratory contamination.

- With the exception of the March 1998 and June 2003 sampling events, chloroform has consistently been detected at S-7 (Hermann Residence, formerly Wilhide and Hunter) since June 1997. Concentrations remain below the MCL of 100 μg/L, with the 2003 detections ranging from 1.3 μg/L to 1.8 μg/L. No other VOCs were detected at this location during the reporting period. Cyanide was not detected during any of the sampling events in 2003.

FIGURES



NOTE: BASE MAP FROM THE YORK PA., USGS 7 1/2 MIN TOPOGRAPHIC QUADRANGLE (PR 1990).

2000' 0 2000'

SCALE IN FEET

N

QUADRANGLE LOCATION

HARLEY-DAVIDSON MOTOR COMPANY OPERATIONS, INC.
YORK FACILITY

SITE LOCATION MAP

drawn RAM	checked SLM	approved SMS	figure no. 1
date 03/27/03	date 03/03/04	date 03/03/04	
job no. 01-1633-00-0822-100	file no. 0822-002.dwg		

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An Employee-Owned Company

NPBA CONTROL BUILDING

NPBA DISCHARGE PIPE TO TREATMENT PLANT

NPBA COLLECTION PIPELINES TO CONTROL BUILDING

NORTHEAST PROPERTY BOUNDARY AREA (NPBA)

TREATMENT SYSTEM DISCHARGE LINE

GROUNDWATER TREATMENT SYSTEM (GTS) BUILDING

WPL DISCHARGE PIPES TO TREATMENT PLANT

WEST PARKING LOT AREA (WPL)

TCA TANK AREA

LIFT STATION

SOFTAIL DEWATERING SYSTEM

CODORUS CREEK

N

LEGEND

MW 5	MONITORING WELL LOCATION AND DESIGNATION
MW 2	KEY WELL LOCATION AND DESIGNATION
CW-1	EXTRACTION WELL LOCATION AND DESIGNATION
CW-12	ABANDONED BETWEEN MAY 2003 AND FEBRUARY 2004
	PERIMETER FENCE

400' 0 400'

SCALE IN FEET

HARLEY-DAVIDSON MOTOR COMPANY OPERATIONS, INC.
YORK FACILITY

GROUNDWATER TREATMENT SYSTEM LOCATIONS

drawn RAM	checked SLM	approved SMS	figure no. 1-2
date 03/05/03	date 03/03/04	date 03/03/04	
job no. 01-1633-00-0823-307		file no. 0823-004.dwg	

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FIGURE 1-3
GROUNDWATER TREATMENT SYSTEM FLOW DIAGRAM
Harley-Davidson Motor Company Operations, Inc.

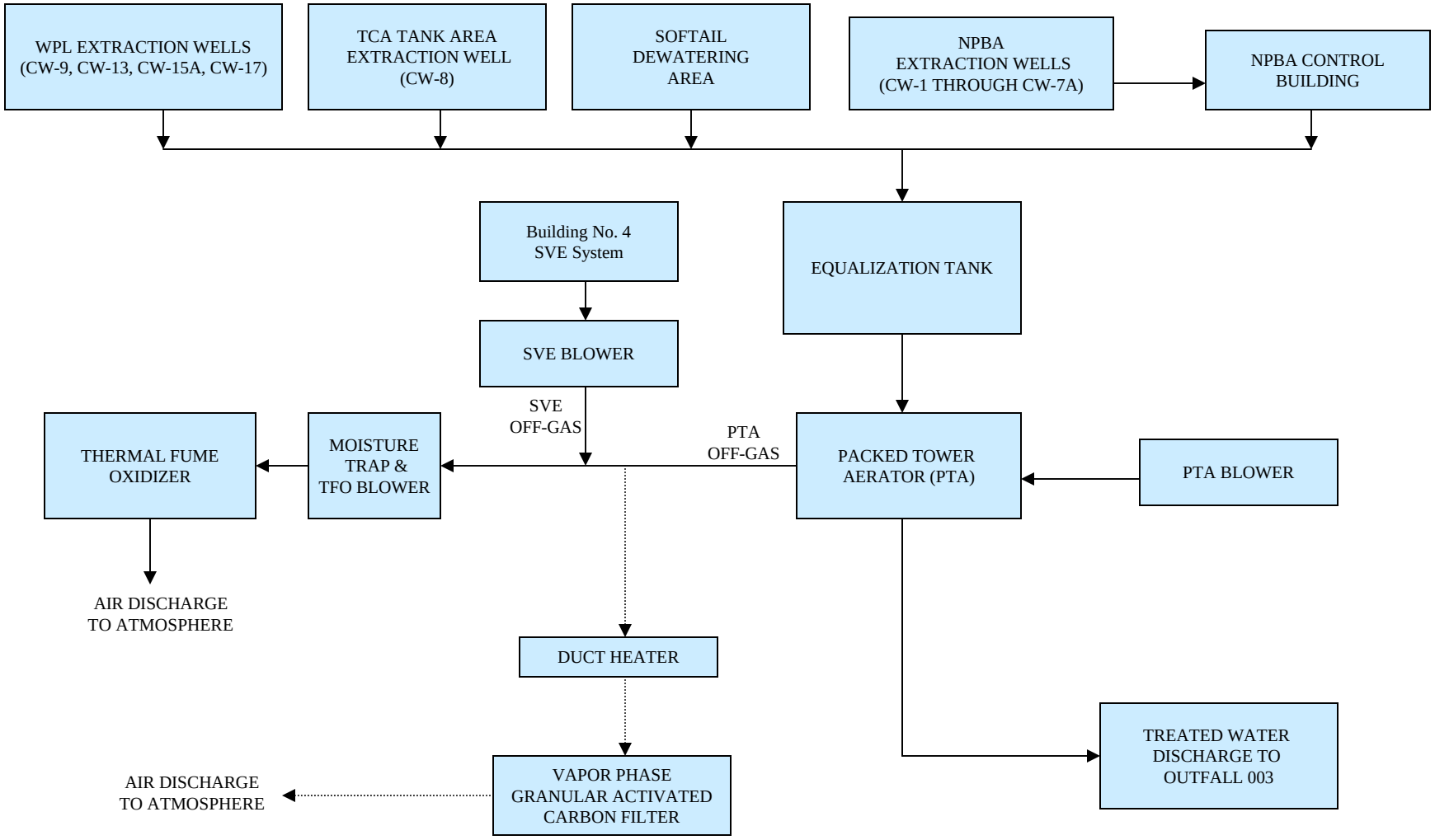

Figure 3-1
Annual Historical Precipitation Data for York, PA
Harley-Davidson Motor Company Operations, Inc.

Notes: From 1992 to 1997, source = United States Geological Survey
From 1998 to 2002, source = Accuweather.com
From 2003, source = Harley-Davidson

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Well I.D.	Average Daily Pumping Rate (GPM) 9-Jun-03
CW-1	1.5
CW-1A	0
CW-2	0
CW-3	3.3
CW-4	2.5
CW-5	1.3
CW-6	3.4
CW-7	0.3
CW-7A	0.6
CW-8	64.3
CW-9	74.6
CW-13	66.8
CW-15A	0
CW-17	72.2

LEGEND

- MW 5 — MONITORING WELL LOCATION AND DESIGNATION
- MW 2 — KEY WELL LOCATION AND DESIGNATION
- CW-1 — PUMPING WELL LOCATION AND DESIGNATION
- 430 — GROUNDWATER ELEVATION CONTOUR LINE, DASHED WHERE INFERRED (CONTOUR INTERVAL VARIES)
- 343.35 — GROUNDWATER ELEVATION

400' 0 400'

SCALE IN FEET

HARLEY-DAVIDSON MOTOR COMPANY OPERATIONS, INC.
YORK FACILITY

GROUNDWATER TABLE CONTOURS JUNE 9, 2003

drawn	checked	approved	figure no.
BAB	SLM	SMS	3-2
date 07/08/03	date 03/03/04	date 03/03/04	
job no. 01-1633-00-3705-800		file no. 3705-001.dwg	

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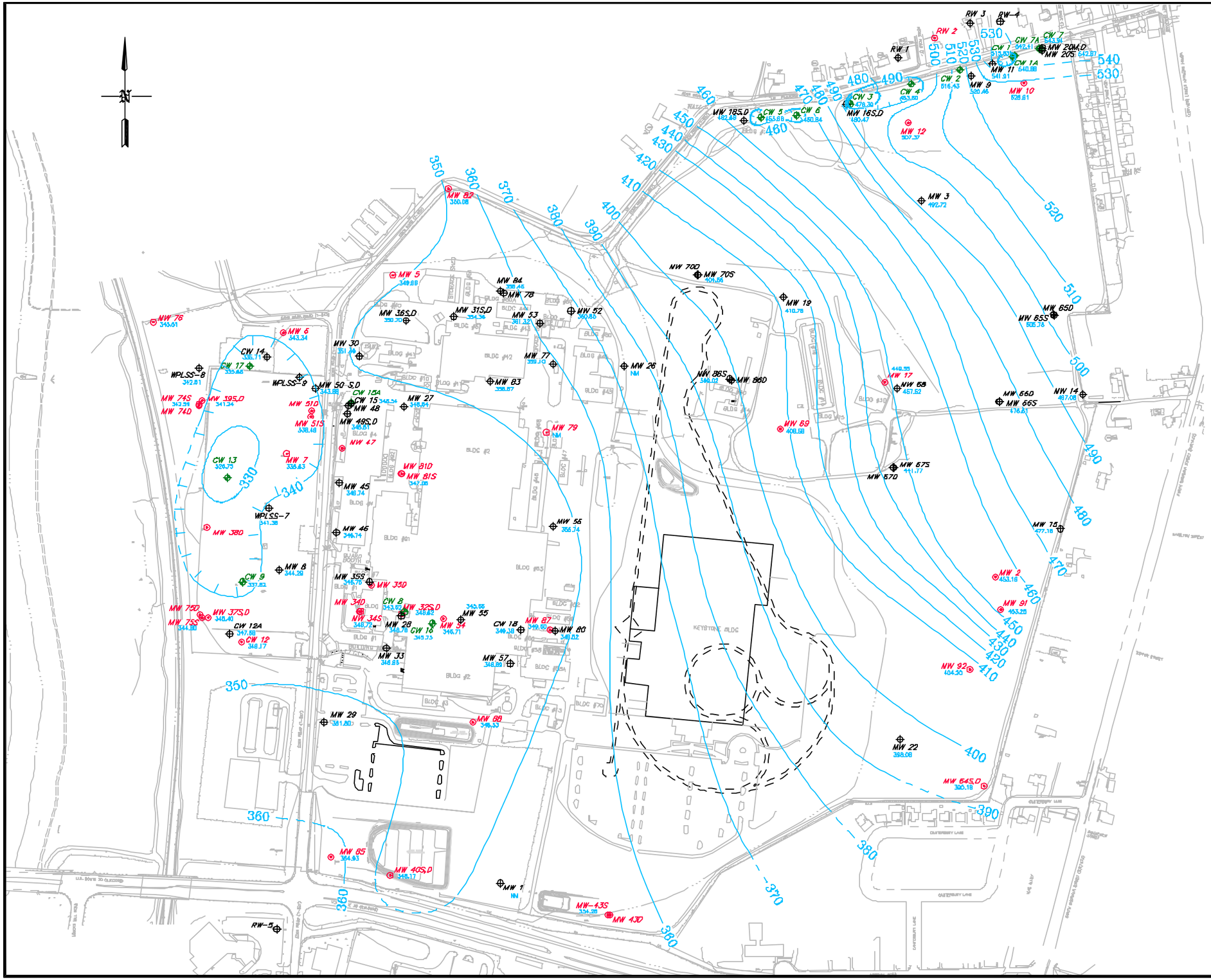

Well I.D.	Average Daily Pumping Rate (GPM) 23-Dec-03
CW-1	1.6
CW-1A	0
CW-2	0.1
CW-3	1.3
CW-4	1.5
CW-5	1.4
CW-6	2.9
CW-7	0
CW-7A	0
CW-8	89.4
CW-9	77.3
CW-13	63.5
CW-15A	0
CW-17	72.7

LEGEND

- MW 5 — MONITORING WELL LOCATION AND DESIGNATION
- MW 2 — KEY WELL LOCATION AND DESIGNATION
- CW-1 — PUMPING WELL LOCATION AND DESIGNATION
- 410 — GROUNDWATER ELEVATION CONTOUR LINE, DASHED WHERE INFERRED (CONTOUR INTERVAL VARIES)
- 410.76 — GROUNDWATER ELEVATION

400' 0 400'

SCALE IN FEET

HARLEY-DAVIDSON MOTOR COMPANY OPERATIONS, INC.
YORK FACILITY

GROUNDWATER TABLE CONTOURS DECEMBER 23, 2003

drawn RAM	checked SLM	approved SMS	figure no. 3-3
date 02/24/04	date 03/03/04	date 03/03/04	
job no. 01-1633-00-3705-800		file no. 3705-003.dwg	

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Figure 4-1
Packed Tower Aerator Influent Chemistry - Total VOC Concentration
Harley-Davidson Motor Company Operations, Inc.
Start-up through December 31, 2003

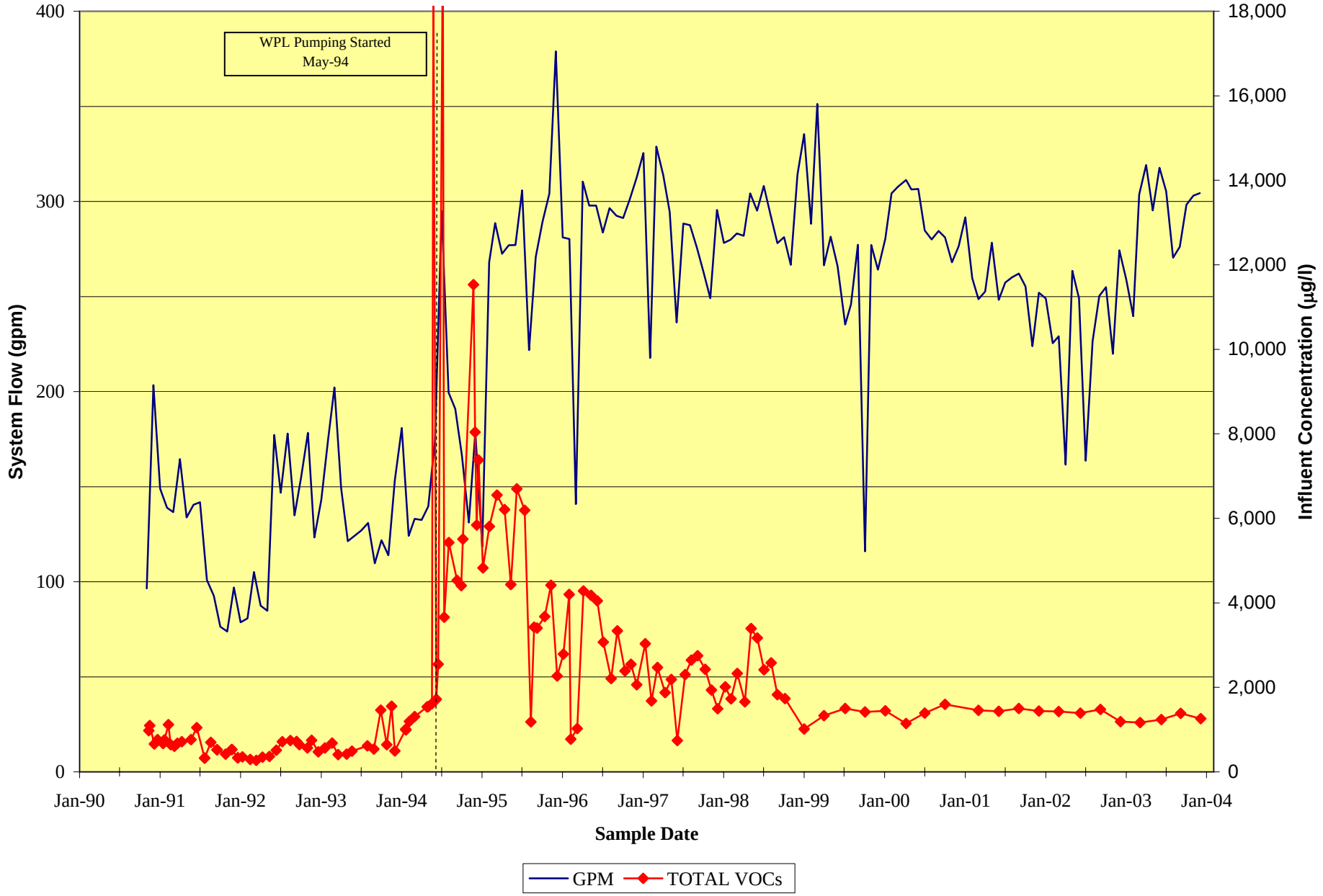

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Figure 4-2
Packed Tower Aerator Influent Chemistry for
NPDES Discharge Permit Required Compounds
Harley-Davidson Motor Company Operations, Inc.
Start-up through December 31, 2003

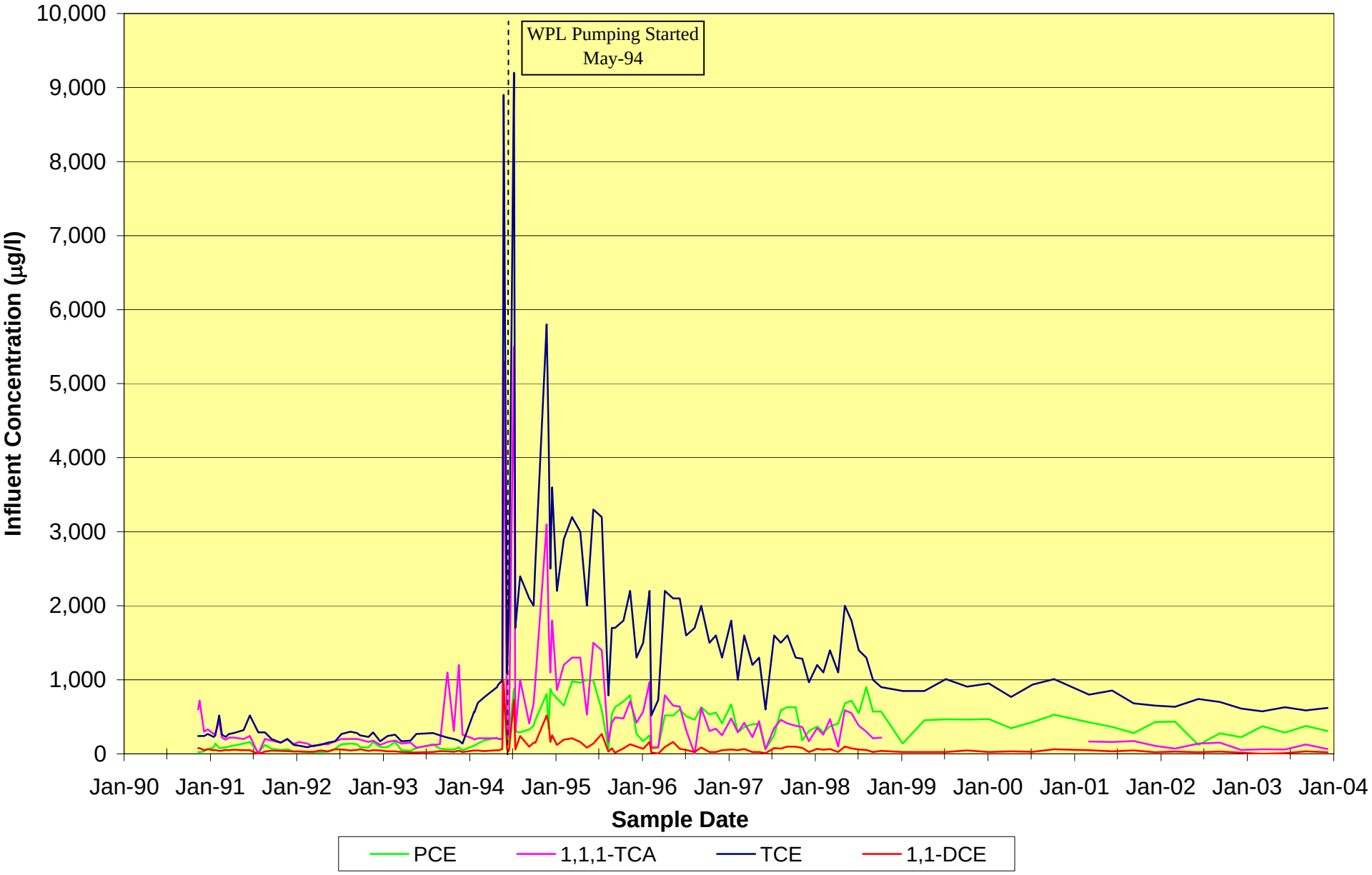

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Figure 5-1
2003 Groundwater Withdrawals
Harley-Davidson Motor Company Operations, Inc.
Gallons Per Month for Each Extraction Area

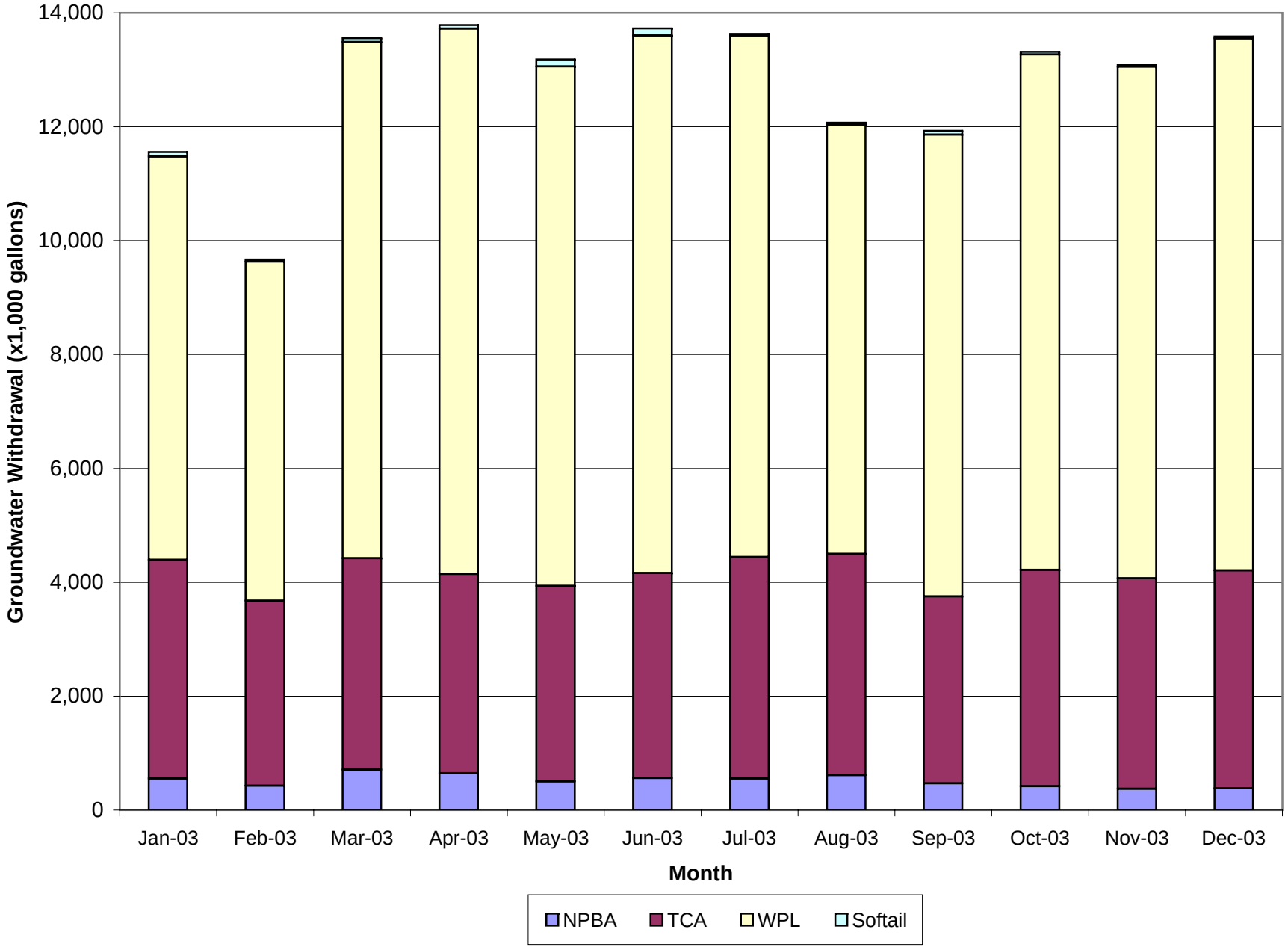

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Figure 5-2
TCE in NPBA Extraction Wells
Harley-Davidson Motor Company Operations, Inc.
Start-up through December 31, 2003

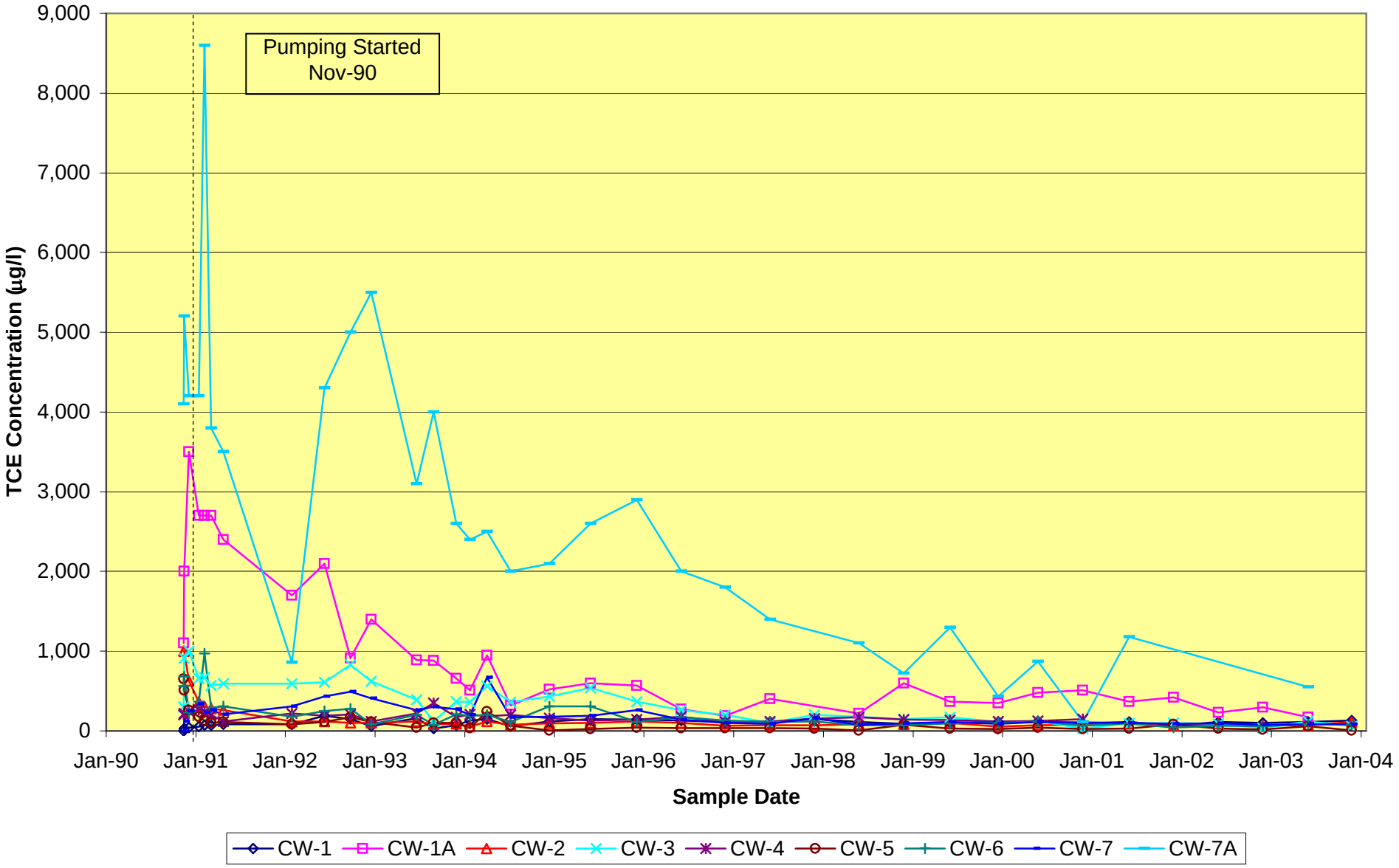

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Figure 5-3
Predominant VOC Concentrations - Extraction Well CW-1
Harley-Davidson Motor Company Operations, Inc.
Start-up through December 31, 2003

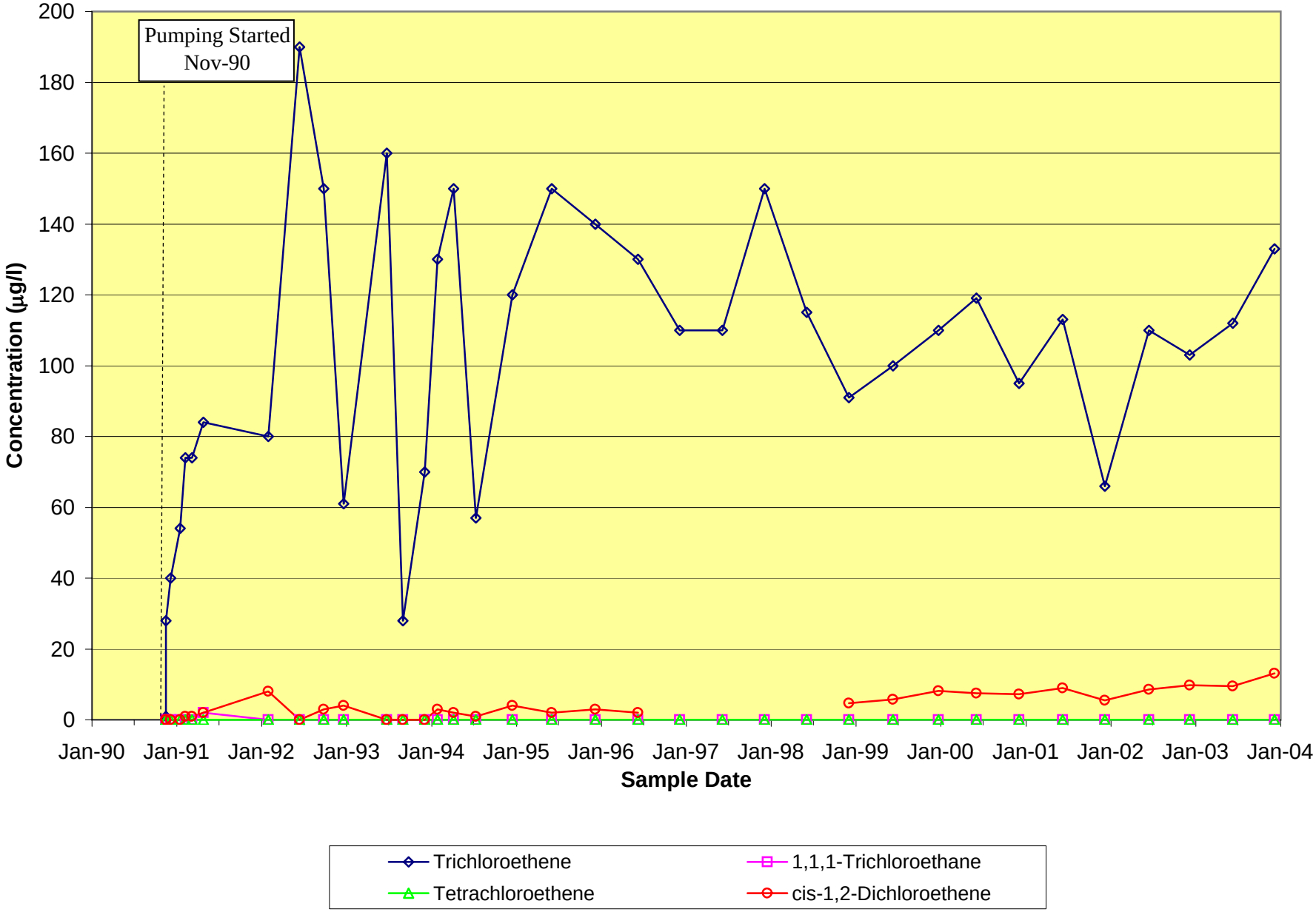

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Figure 5-4
Predominant VOC Concentrations - Extraction Well CW-1A
Harley-Davidson Motor Company Operations, Inc.
Start-up through December 31, 2003

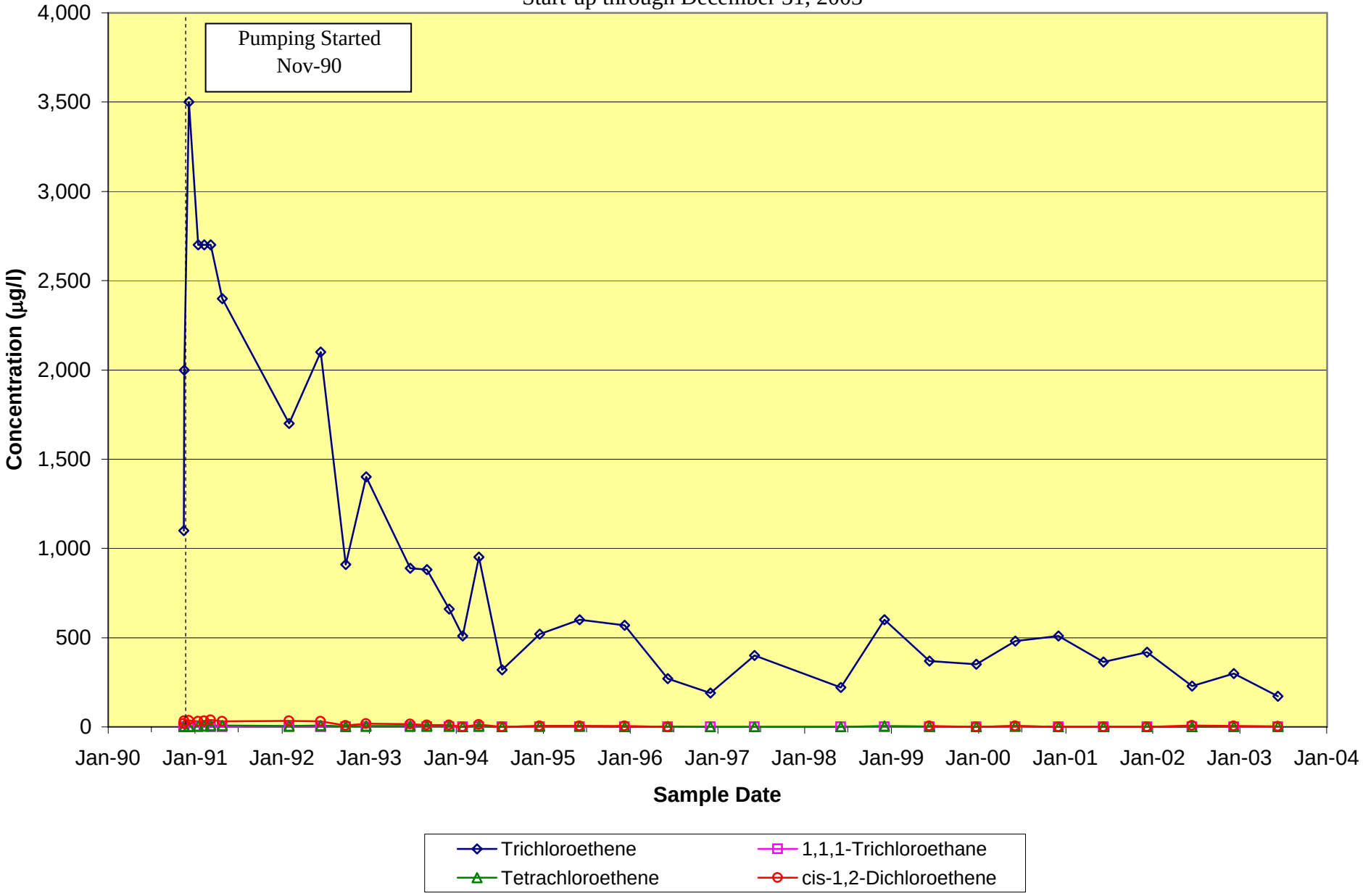

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Figure 5-5
Predominant VOC Concentrations - Extraction Well CW-2
Harley-Davidson Motor Company Operations, Inc.
Start-up through December 31, 2003

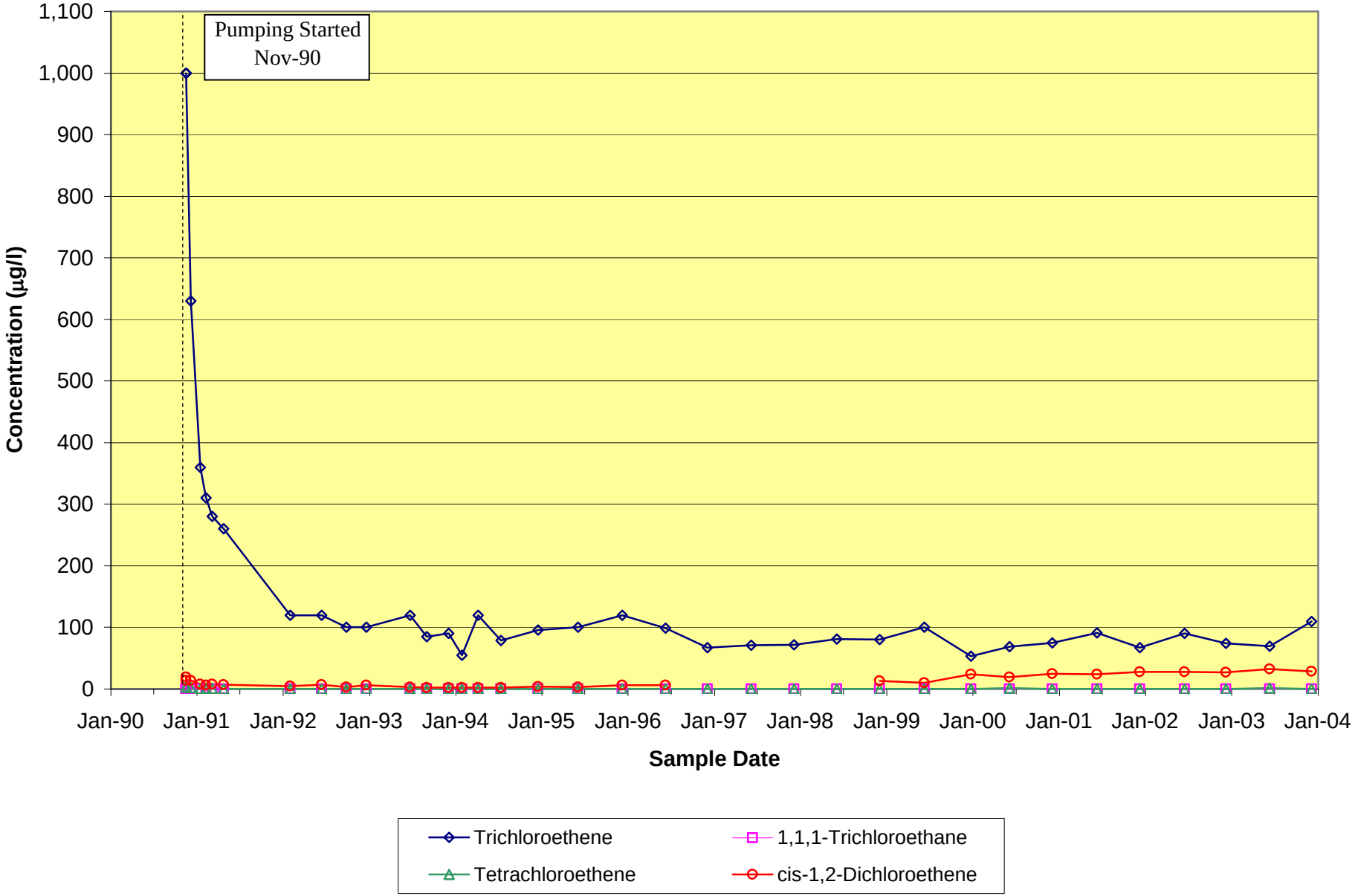

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Figure 5-6
Predominant VOC Concentrations - Extraction Well CW-3
Harley-Davidson Motor Company Operations, Inc.
Start-up through December 31, 2003

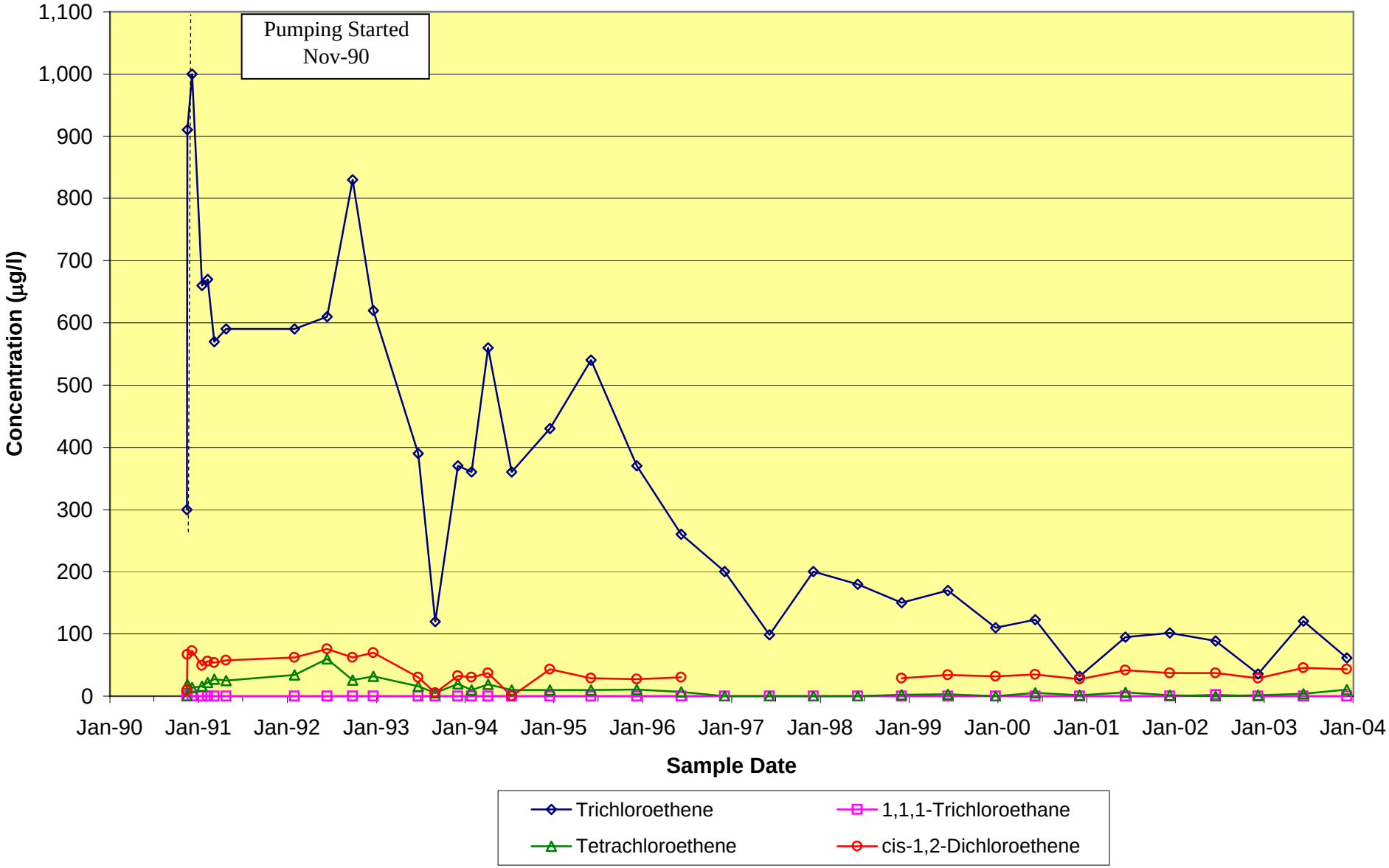

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Figure 5-7
Predominant VOC Concentrations - Extraction Well CW-4
Harley-Davidson Motor Company Operations, Inc.
Start-up through December 31, 2003

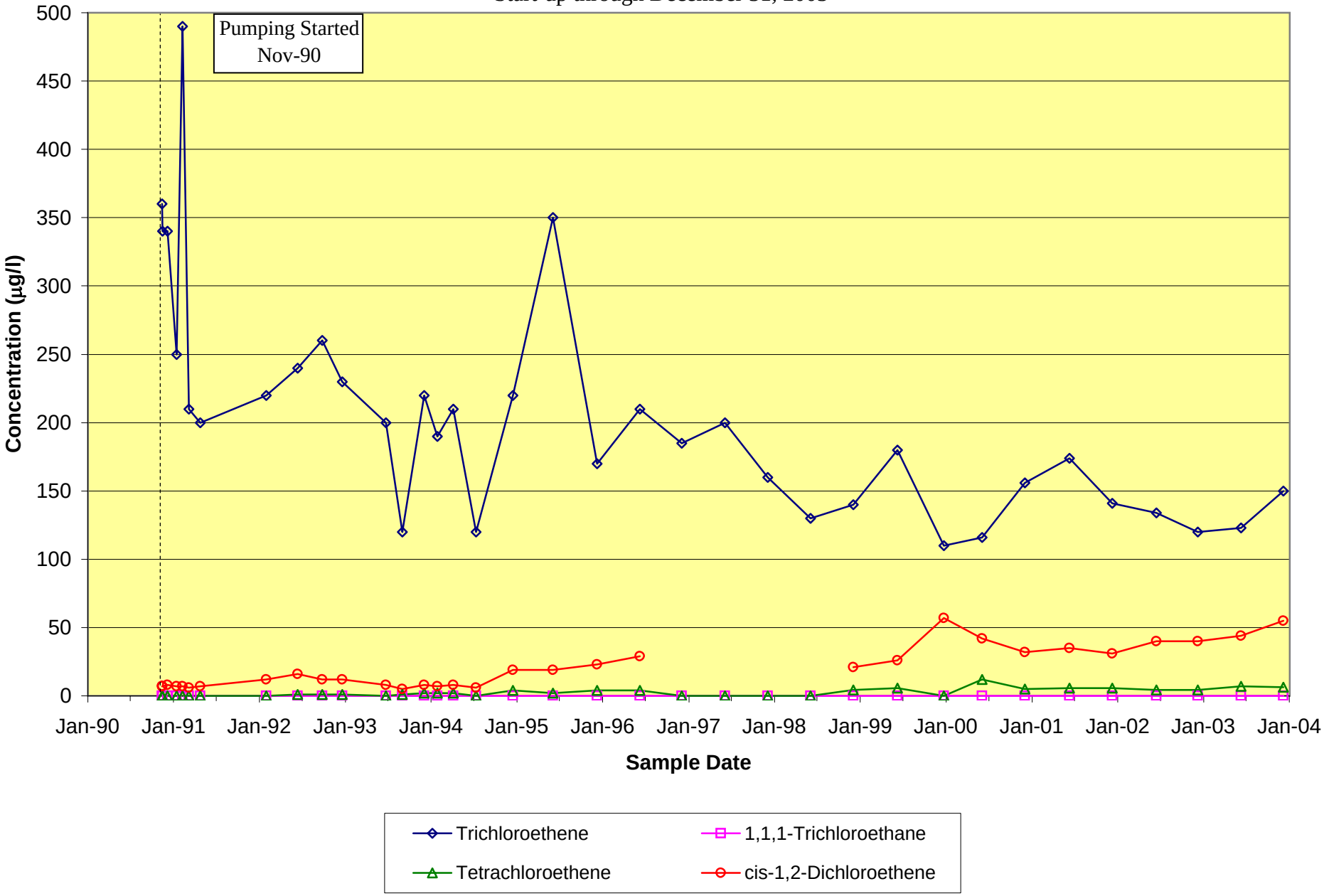

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Figure 5-8
Predominant VOC Concentrations - Extraction Well CW-5
Harley-Davidson Motor Company Operations, Inc.
Start-up through December 31, 2004

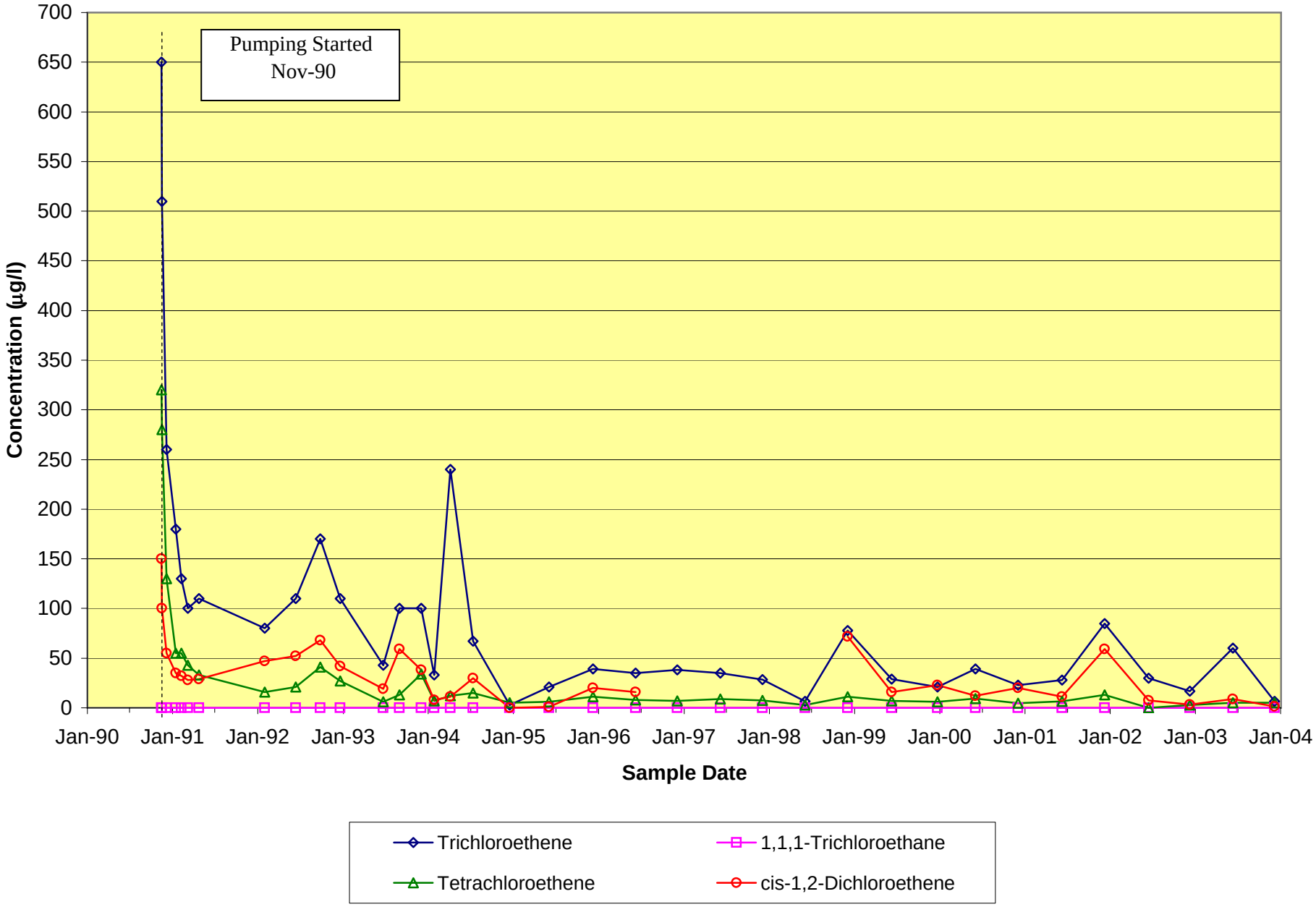

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Figure 5-9
Predominant VOC Concentrations - Extraction Well CW-6
Harley-Davidson Motor Company Operations, Inc.
Start-up through December 31, 2003

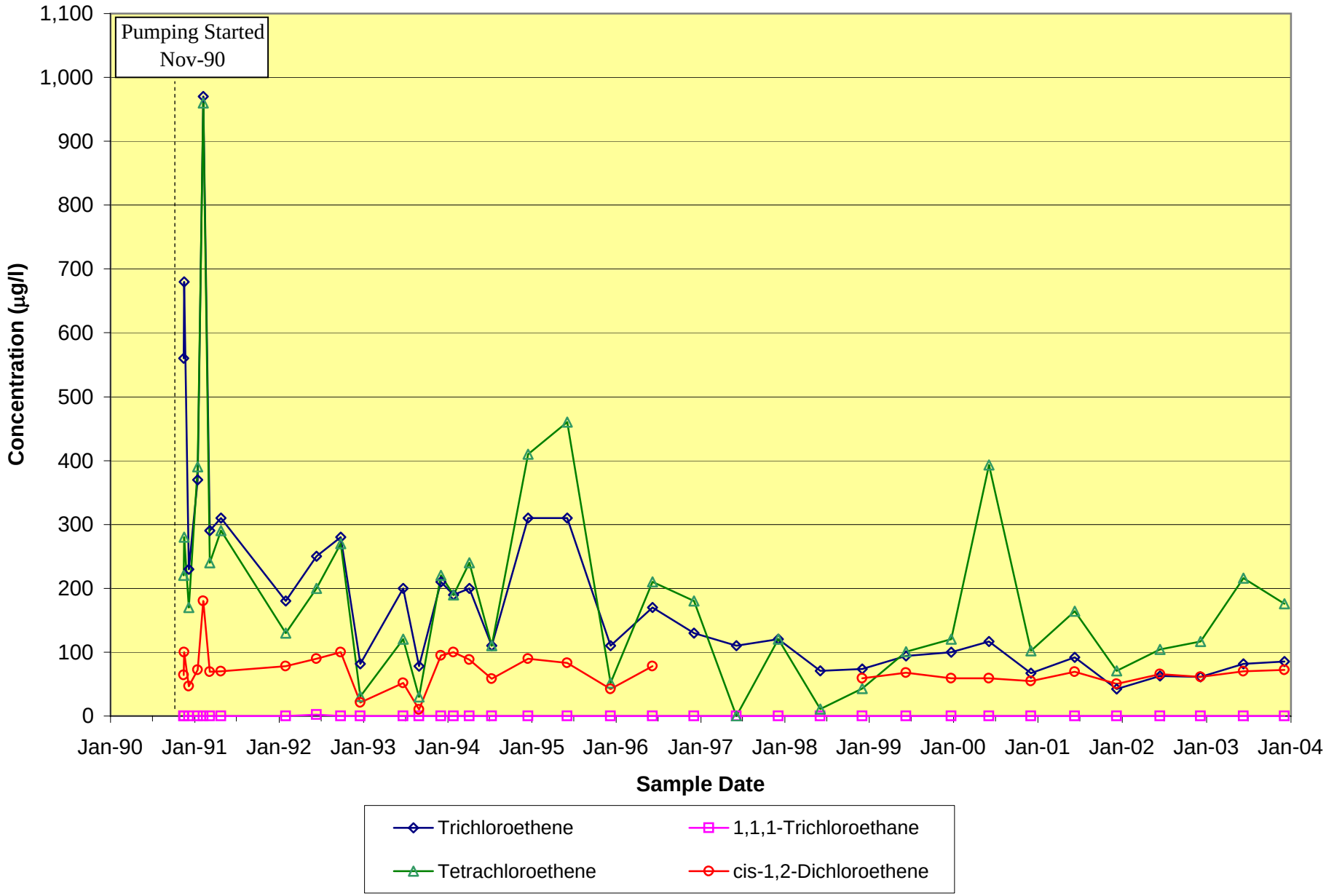

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Figure 5-10
Predominant VOC Concentrations - Extraction Well CW-7
Harley-Davidson Motor Company Operations, Inc.
Start-up through December 31, 2003

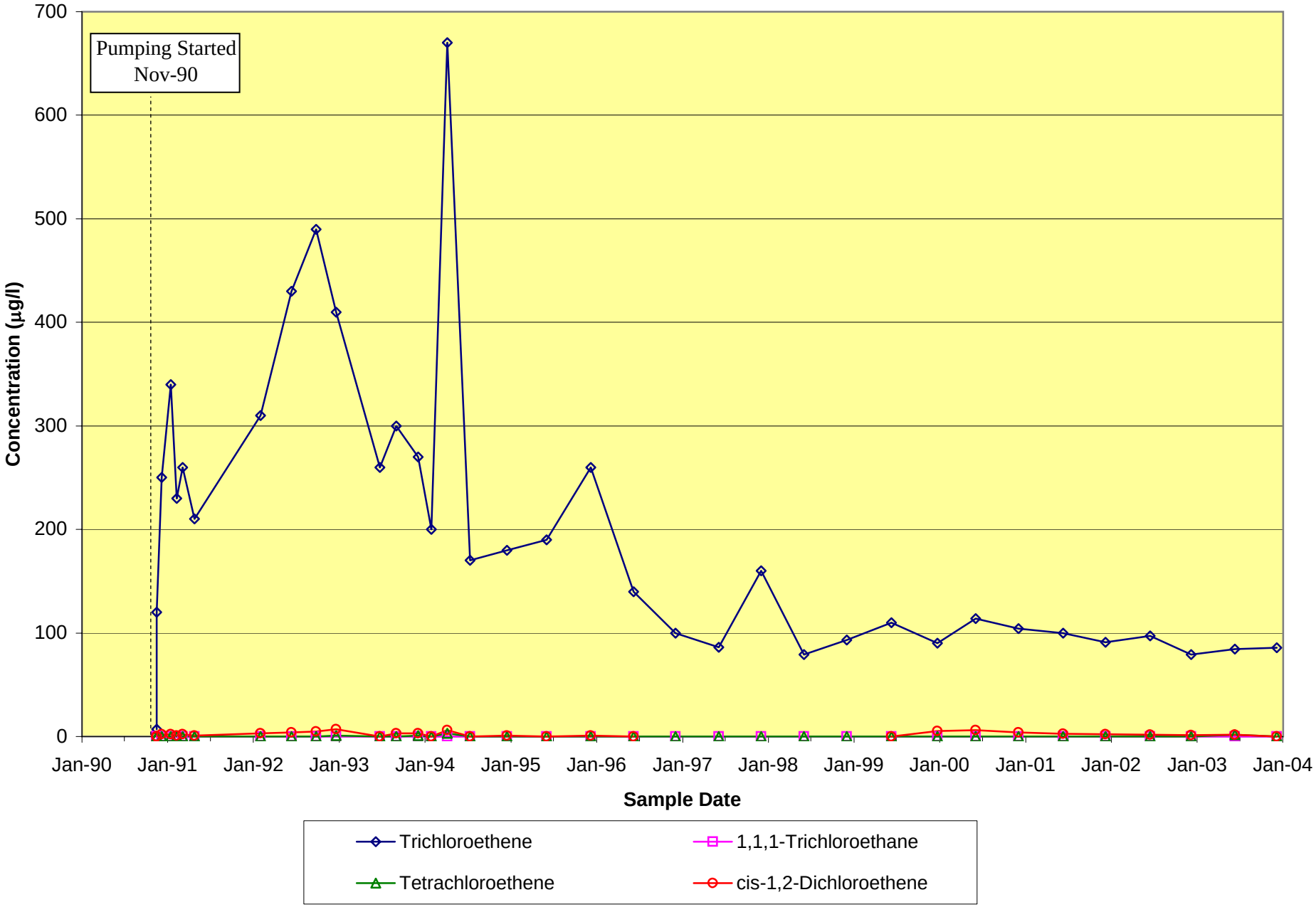

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Figure 5-11
Predominant VOC Concentrations - Extraction Well CW-7A
Harley-Davidson Motor Company Operations, Inc.
Start-up through December 31, 2003

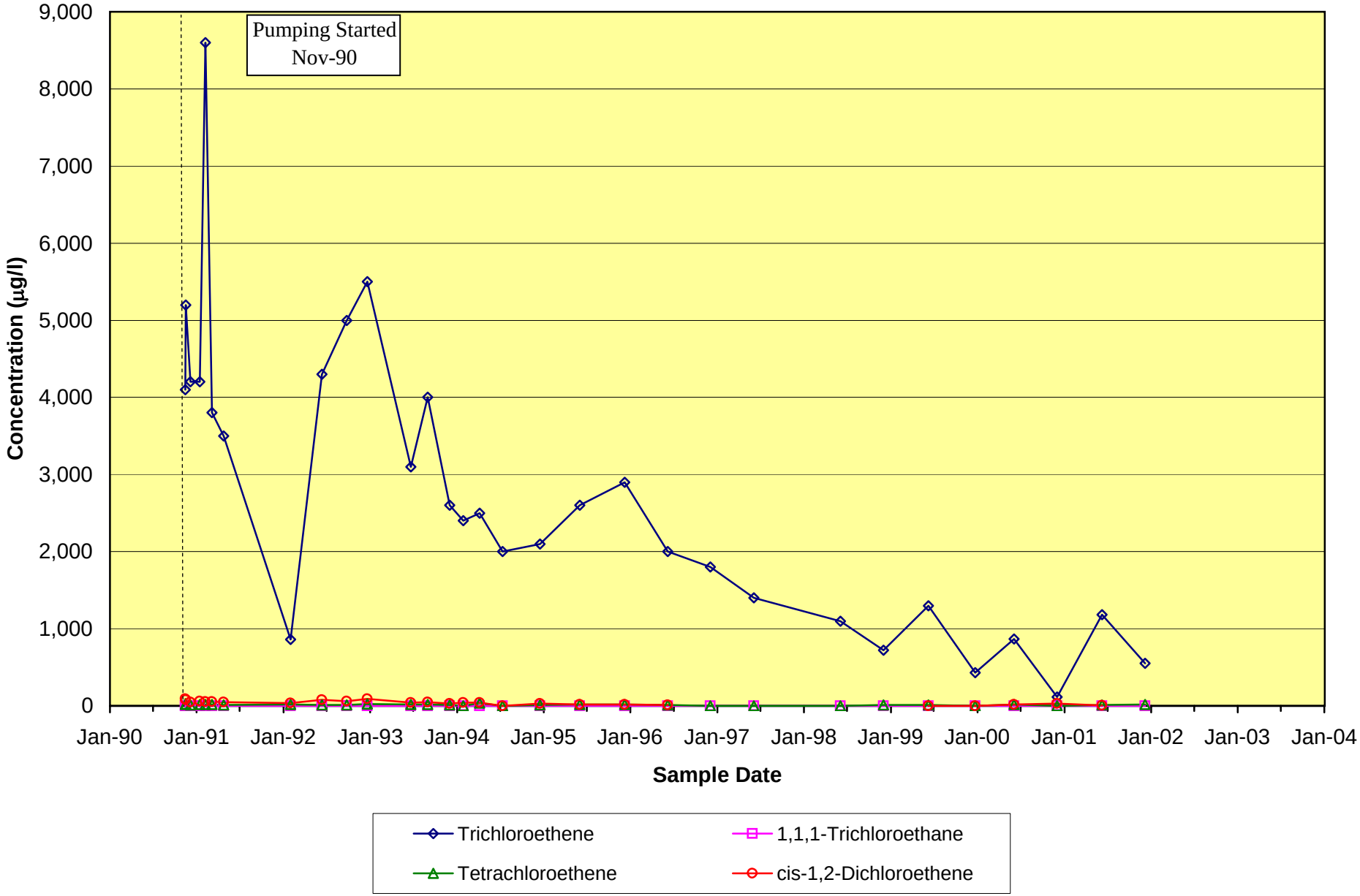

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Figure 5-12
TCE in NPBA Key Monitoring Wells
Harley-Davidson Motor Company Operations, Inc.

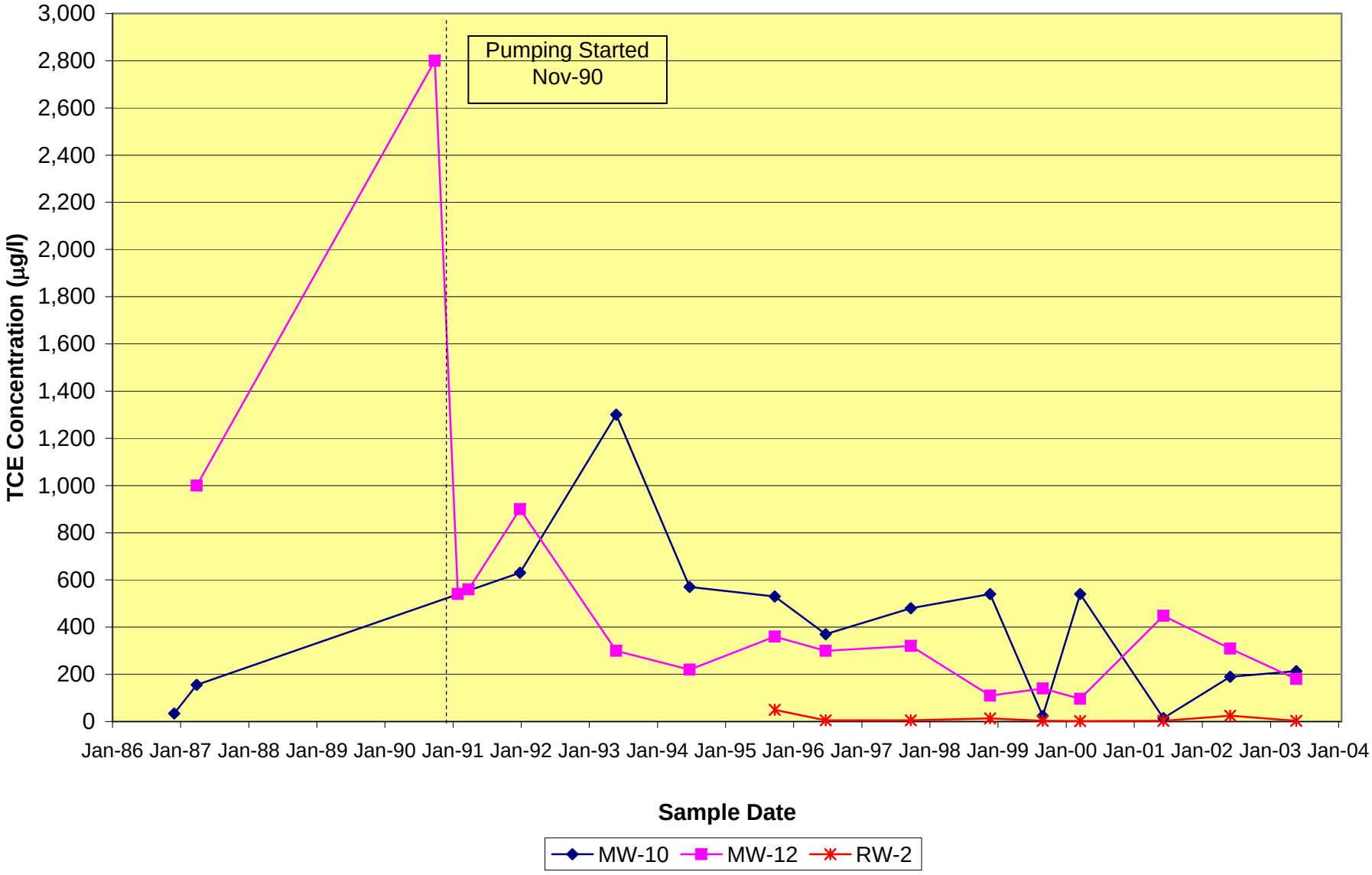

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Figure 6-1
TCA in TCA Tank Area Extraction Wells
Harley-Davidson Motor Company Operations, Inc.

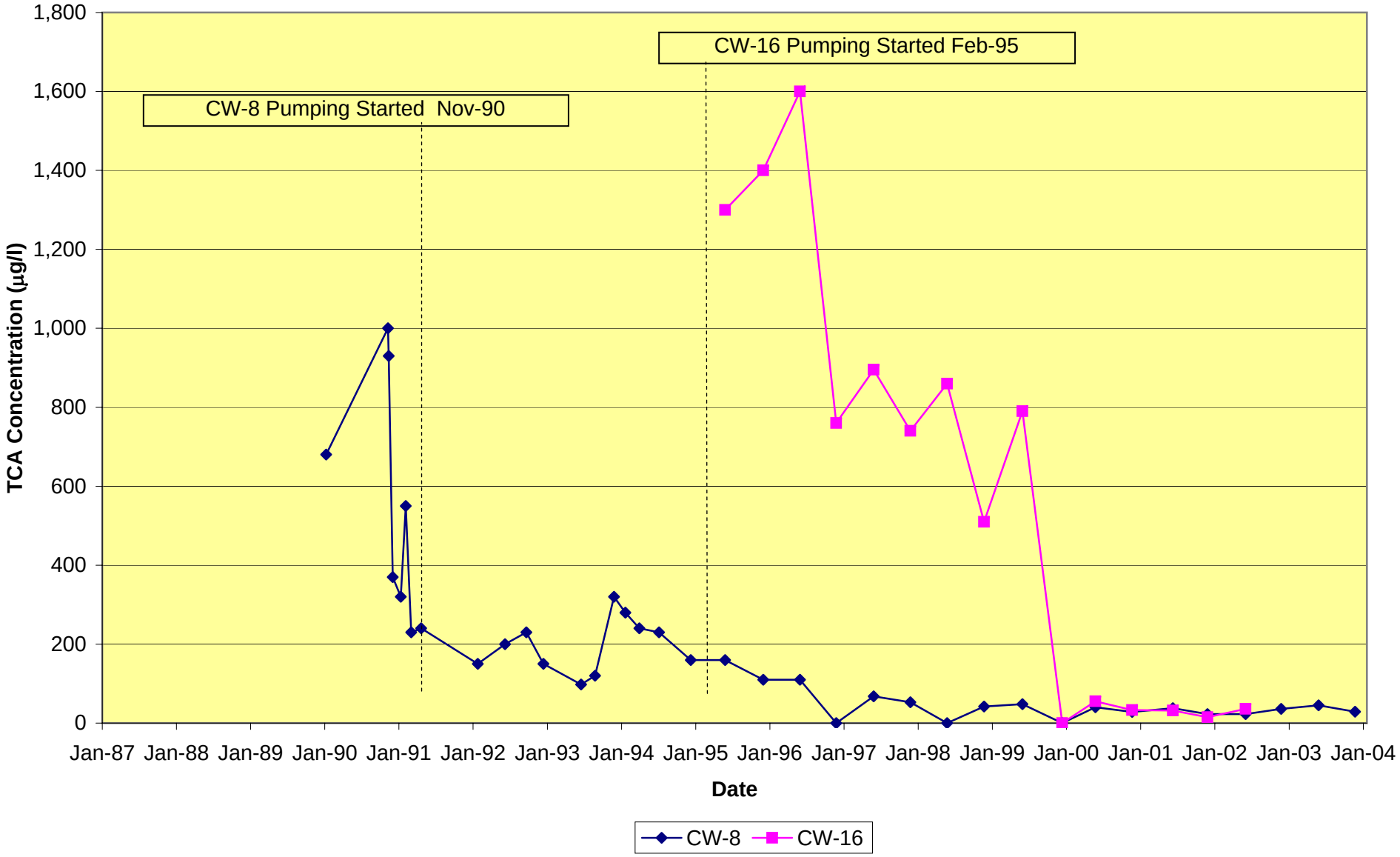

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Figure 6-2
TCA in TCA Tank Area Monitoring Wells
Harley-Davidson Motor Company Operations, Inc.

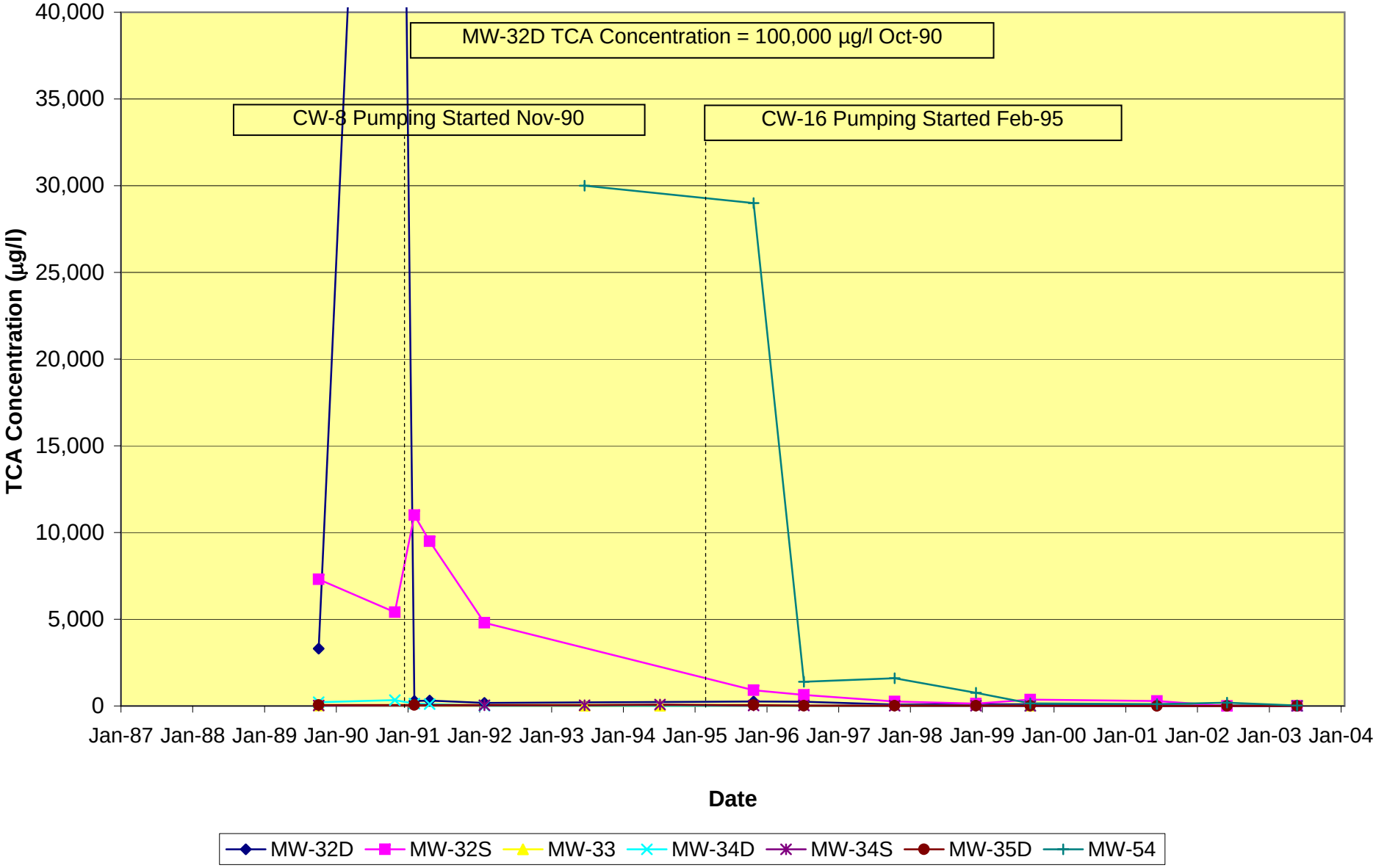

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Figure 6-3
TCE in TCA Tank Area Extraction Wells
Harley-Davidson Motor Company Operations, Inc.

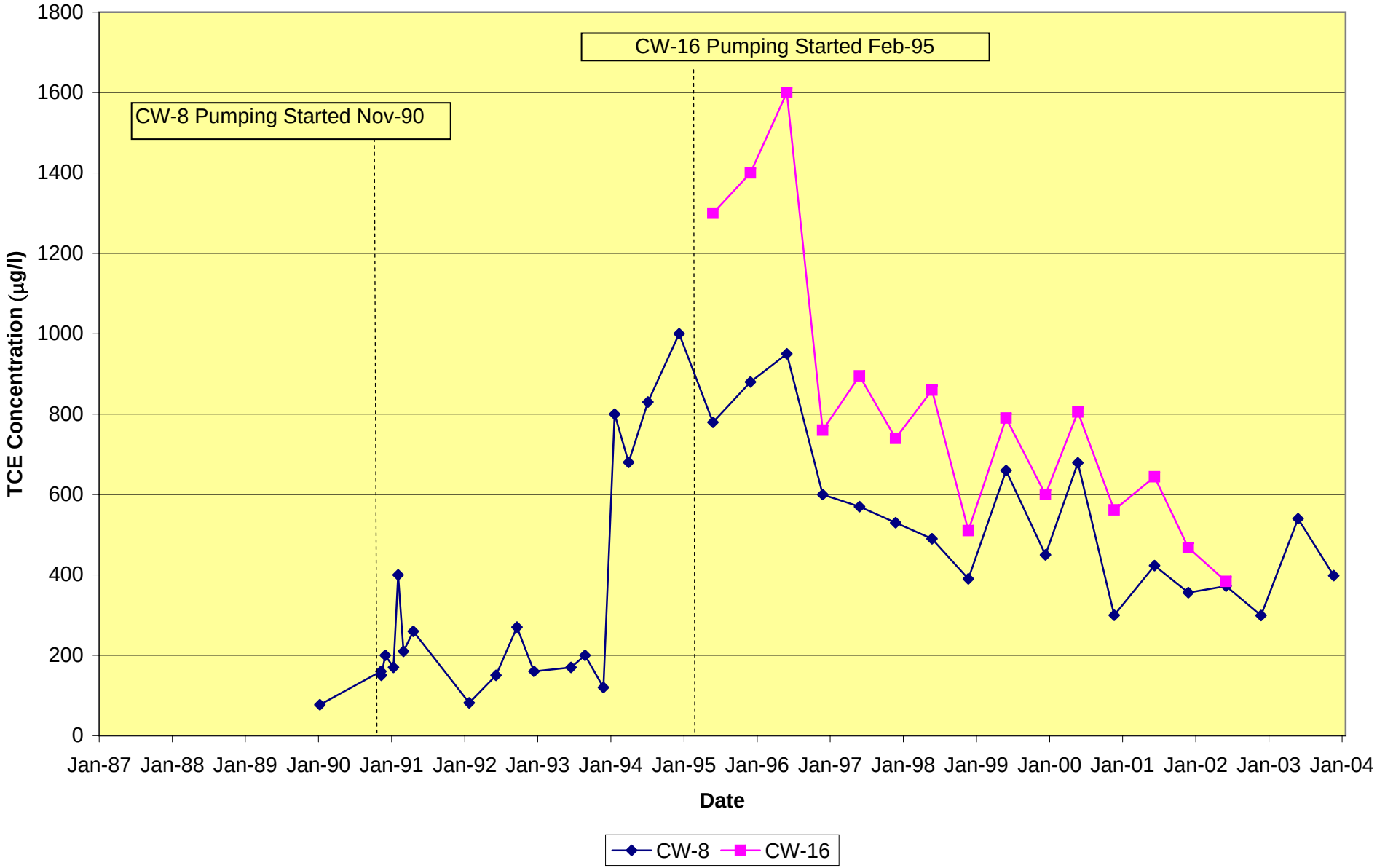

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Figure 6-4
Predominant VOC Concentrations - Extraction Well CW-8
Harley-Davidson Motor Company Operations, Inc.
Start-up through December 31, 2003

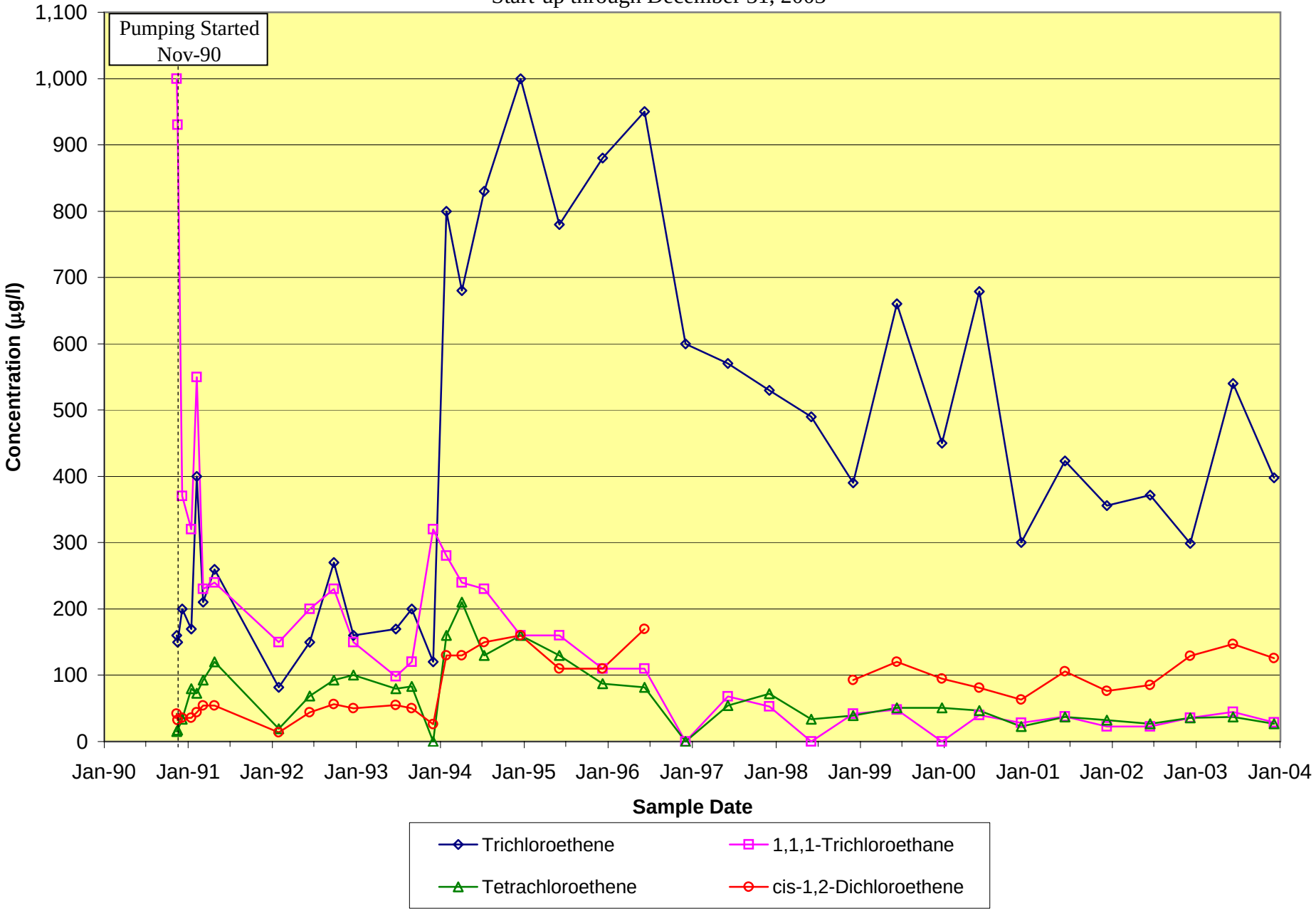

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Figure 6-5
TCE in TCA Area Monitoring Wells
Harley-Davidson Motor Company Operations, Inc.

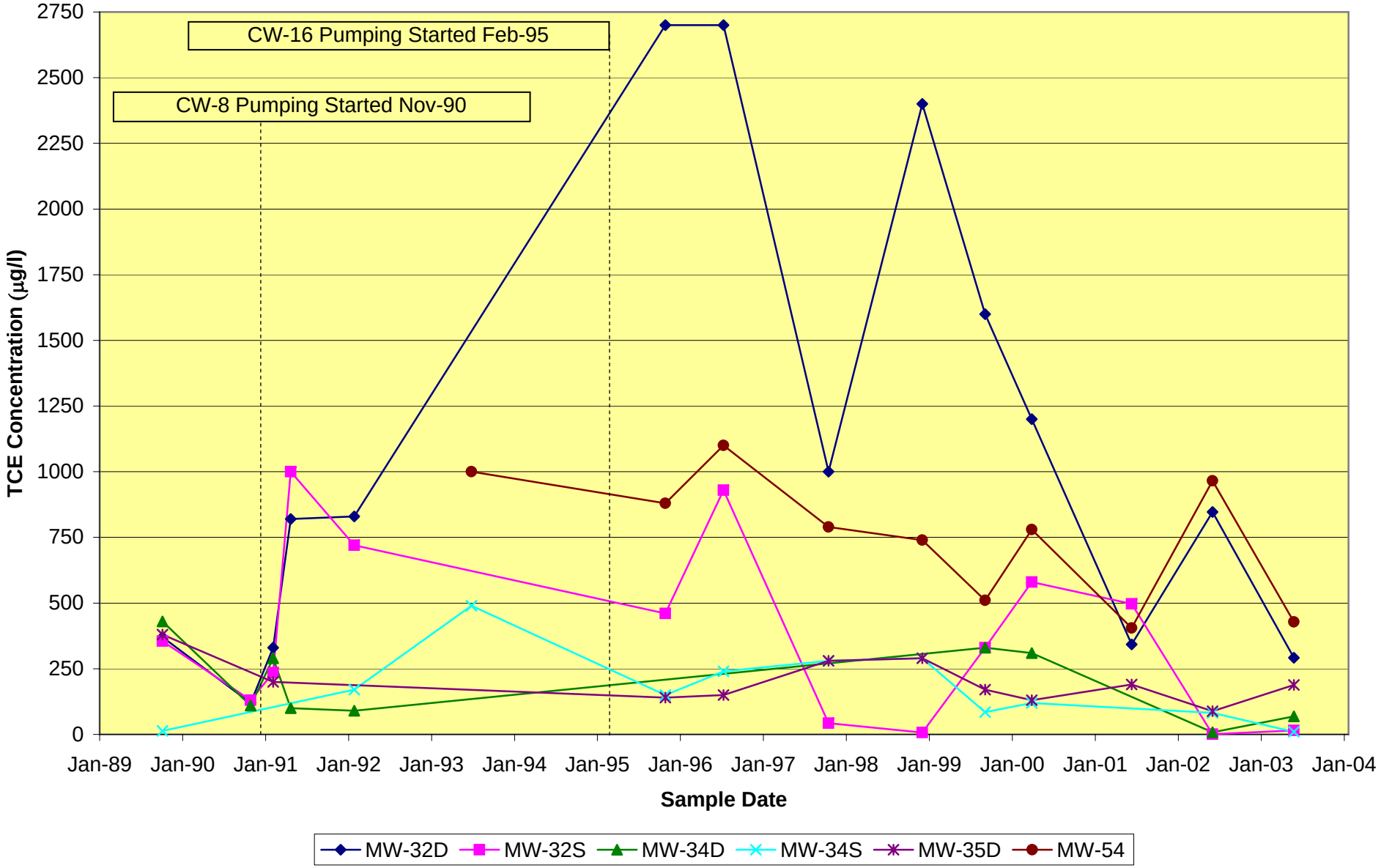

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Figure 7-1
TCE in Northern WPL Monitoring Wells
Harley-Davidson Motor Company Operations, Inc.

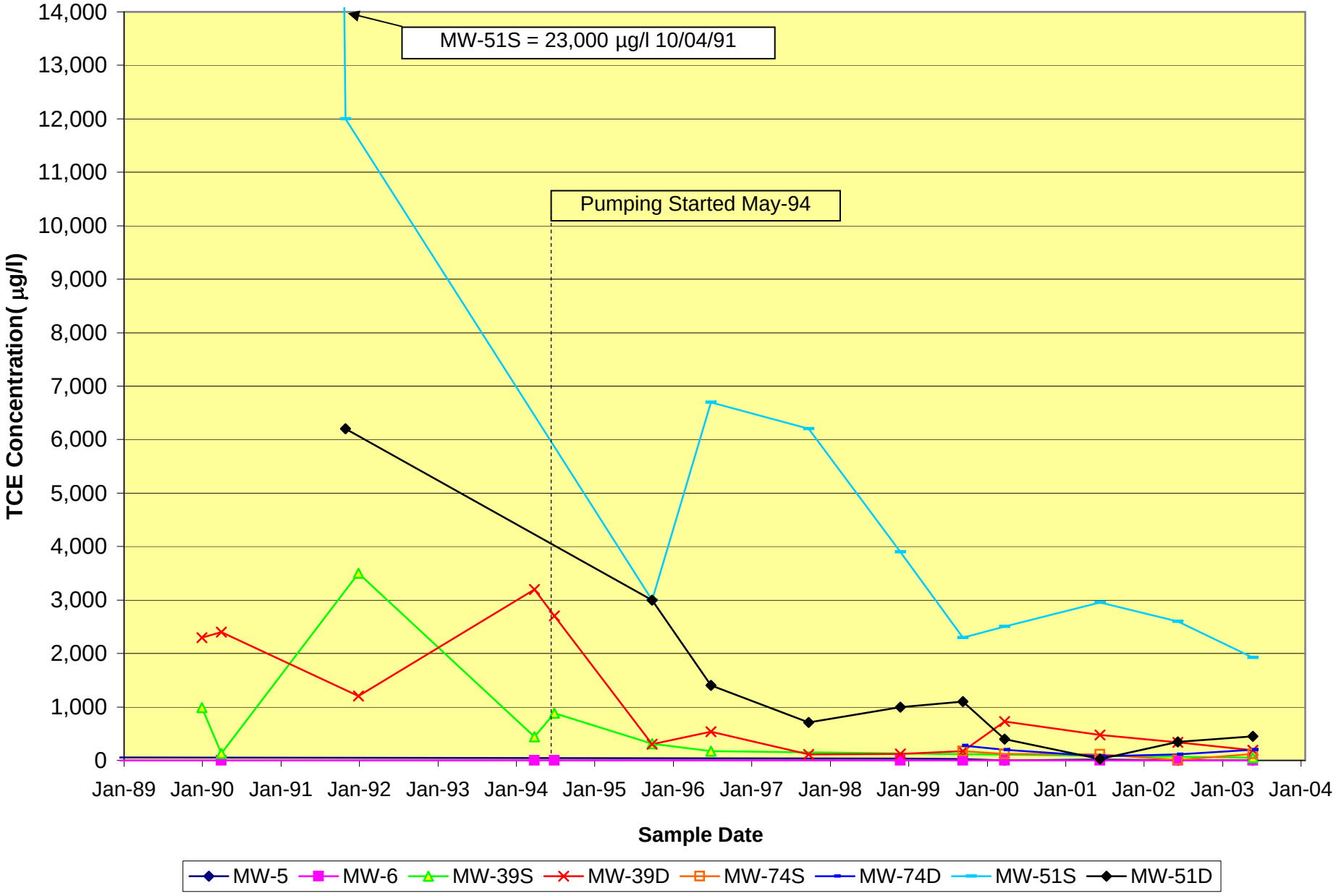

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Figure 7-2
TCE in Southern WPL Monitoring Wells
Harley-Davidson Motor Company Operations, Inc.

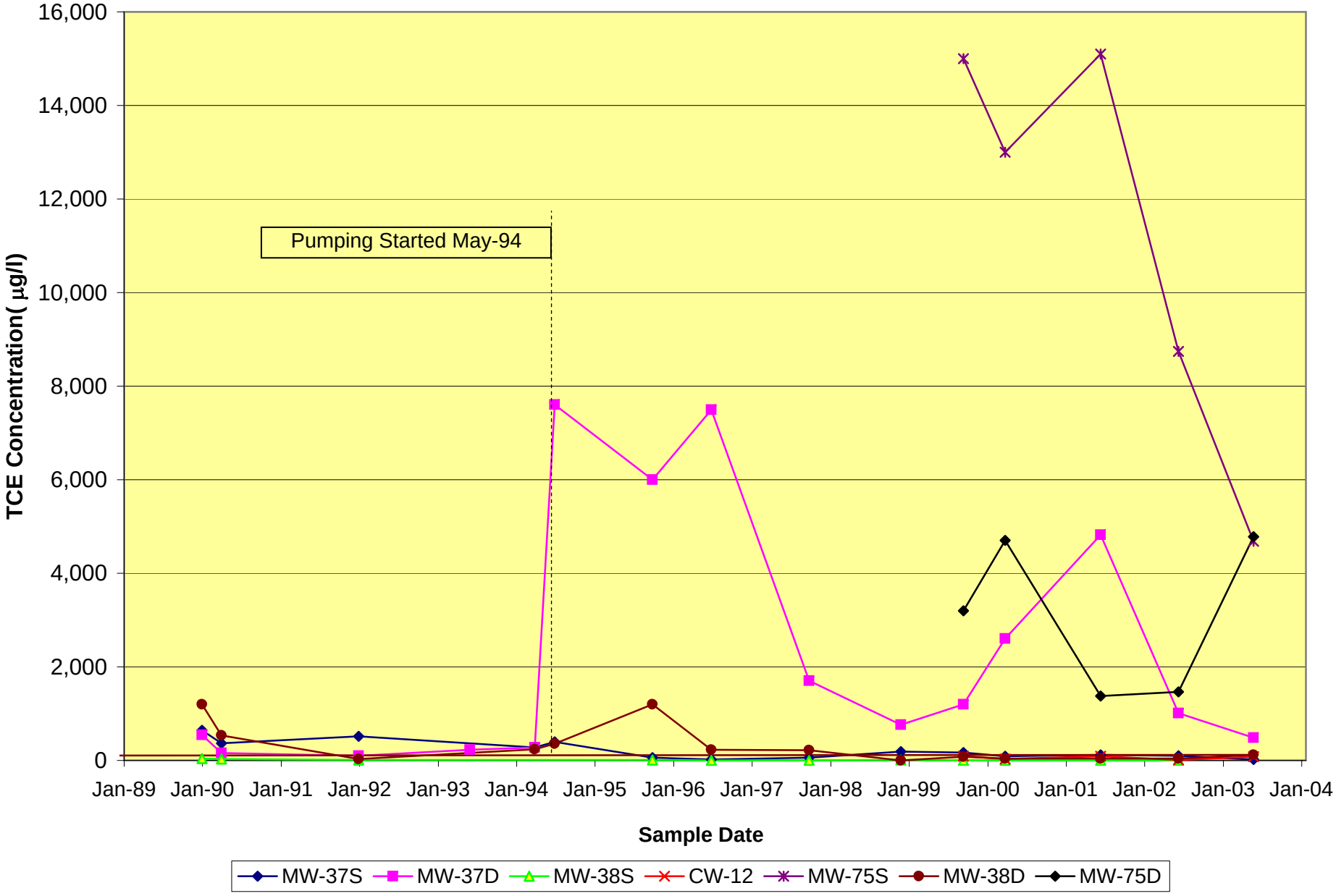

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Figure 7-3
TCE in WPL Extraction Wells
Harley-Davidson Motor Company Operations, Inc.

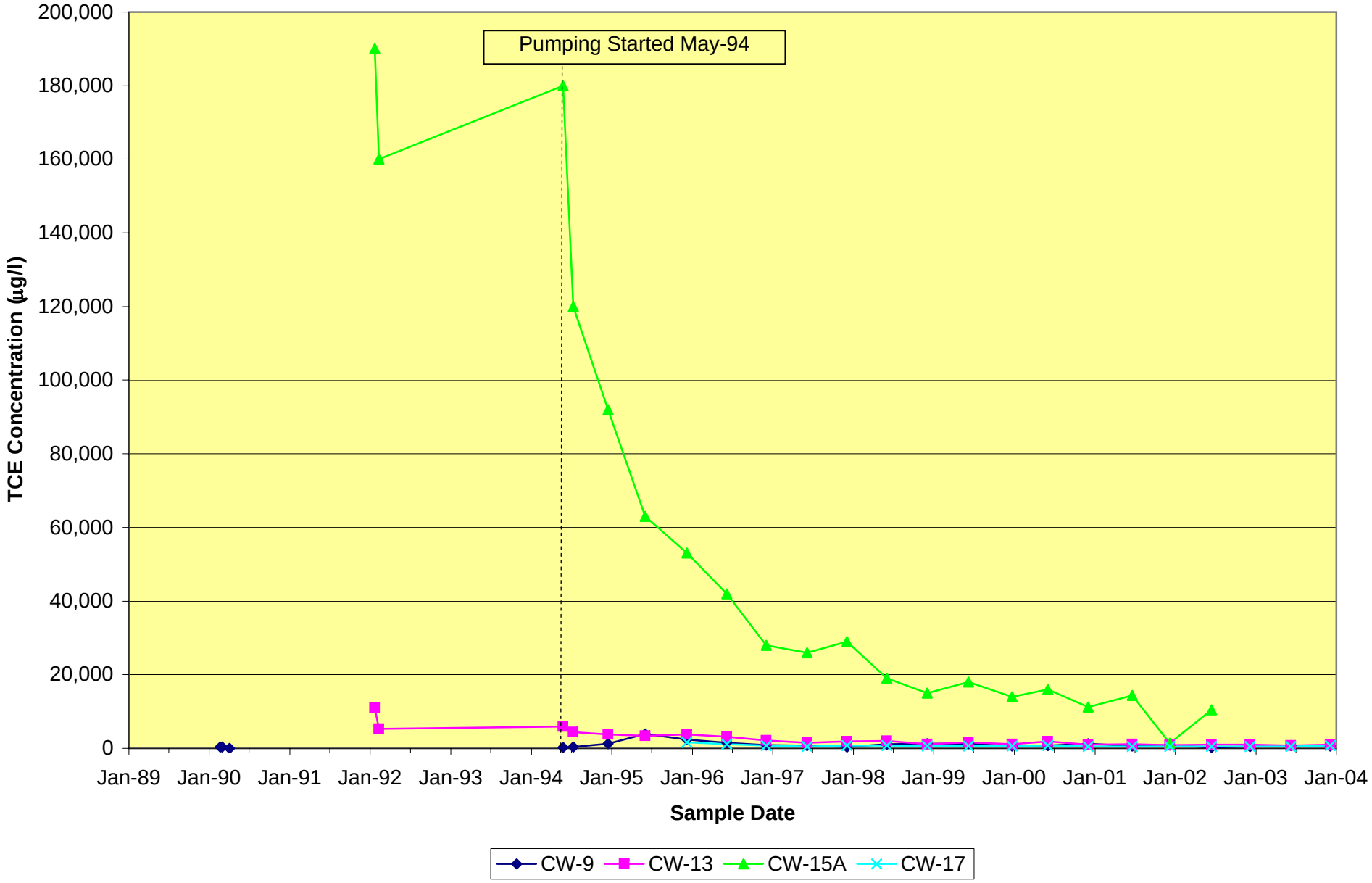

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Figure 7-4
Predominant VOC Concentrations - Extraction Well CW-9
Harley-Davidson Motor Company Operations, Inc.
Start-up through December 31, 2003

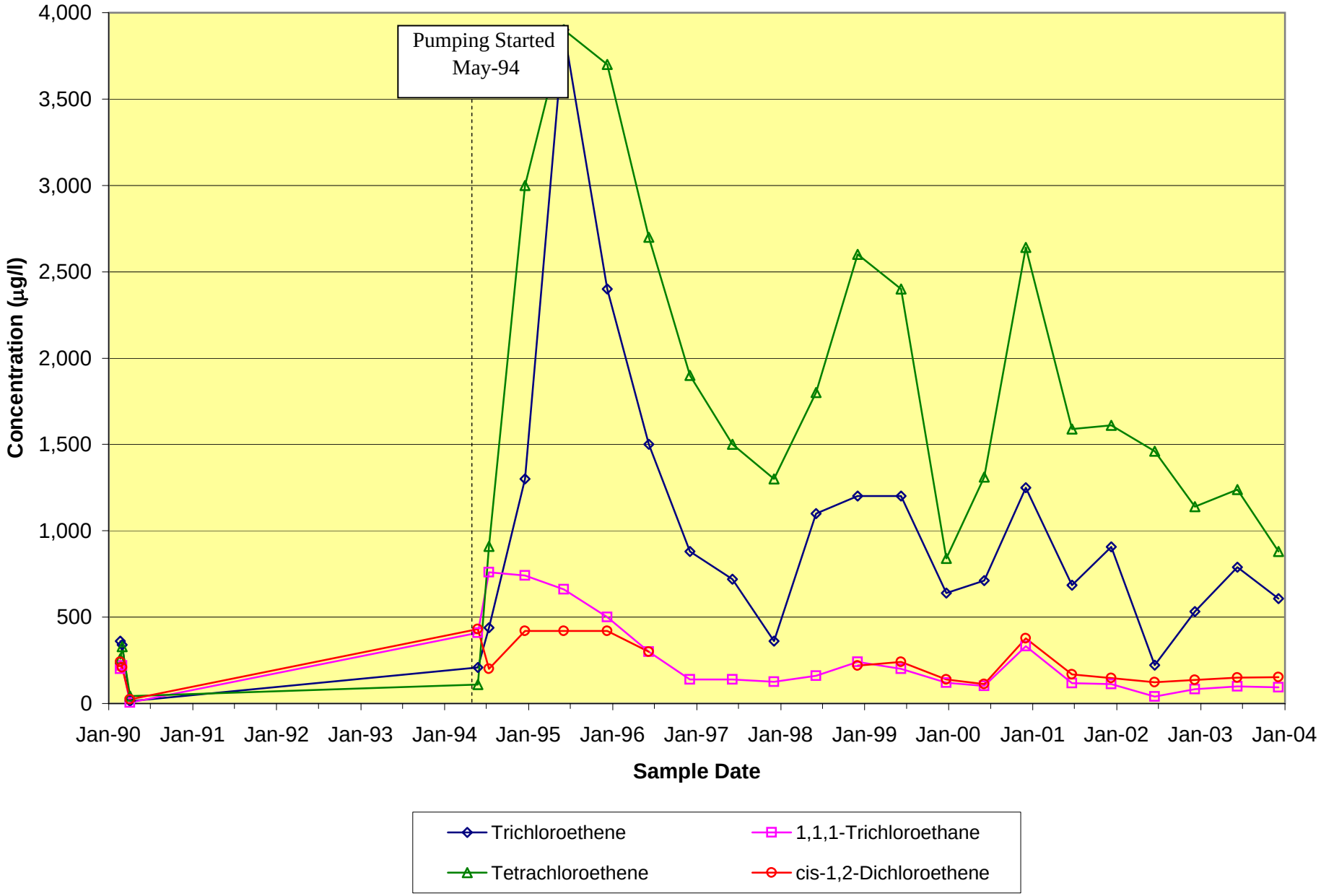

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Figure 7-5
Predominant VOC Concentrations - Extraction Well CW-13
Harley-Davidson Motor Company Operations, Inc.
Start-up through December 31, 2003

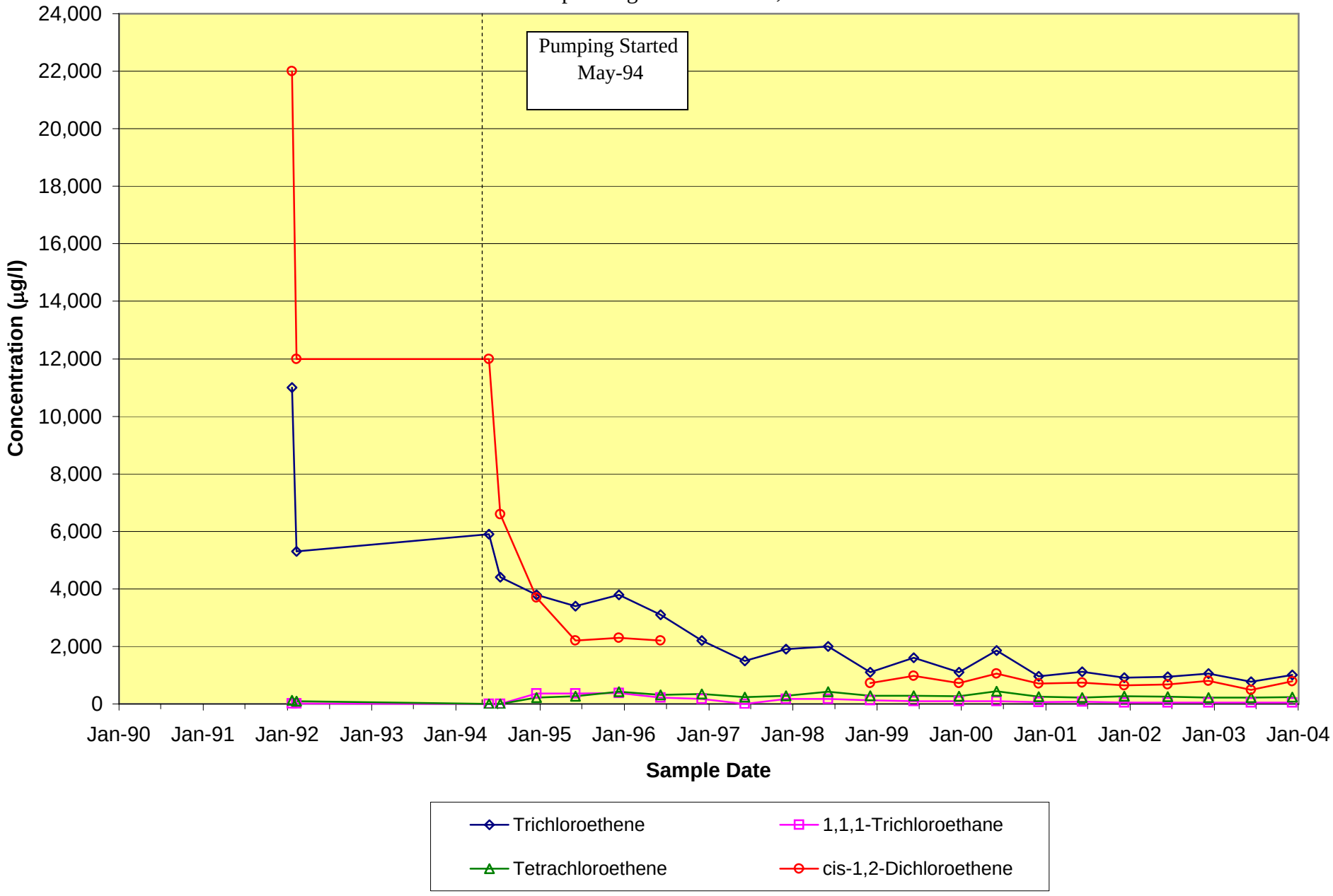

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Figure 7-6
Predominant VOC Concentrations - Extraction Well CW-15A
Harley-Davidson Motor Company Operations, Inc.
Start-up through December 31, 2003

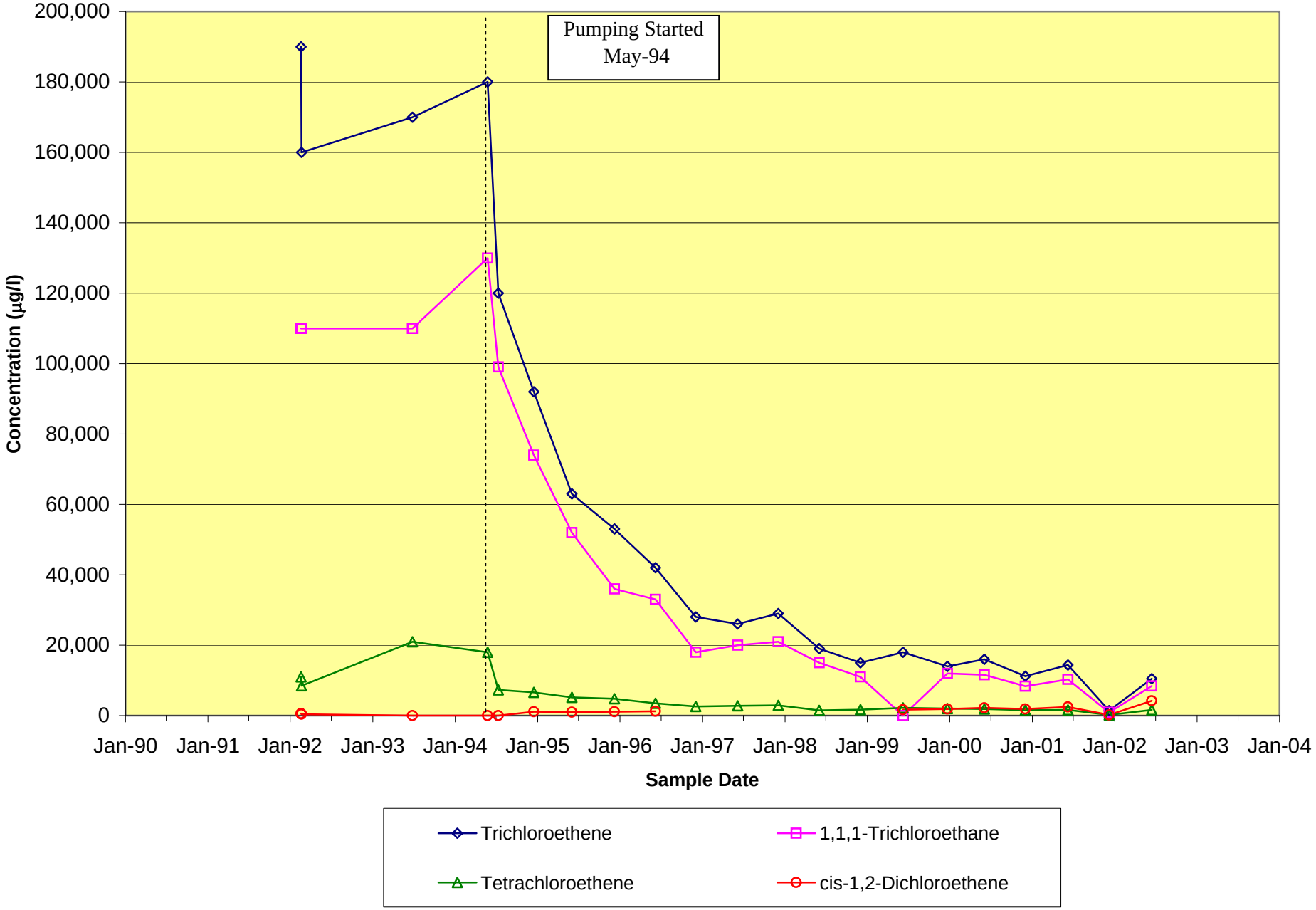

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Figure 7-7

Predominant VOC Concentrations

Extraction Wells CW-14 and CW-17

Start-up through December 31, 2003

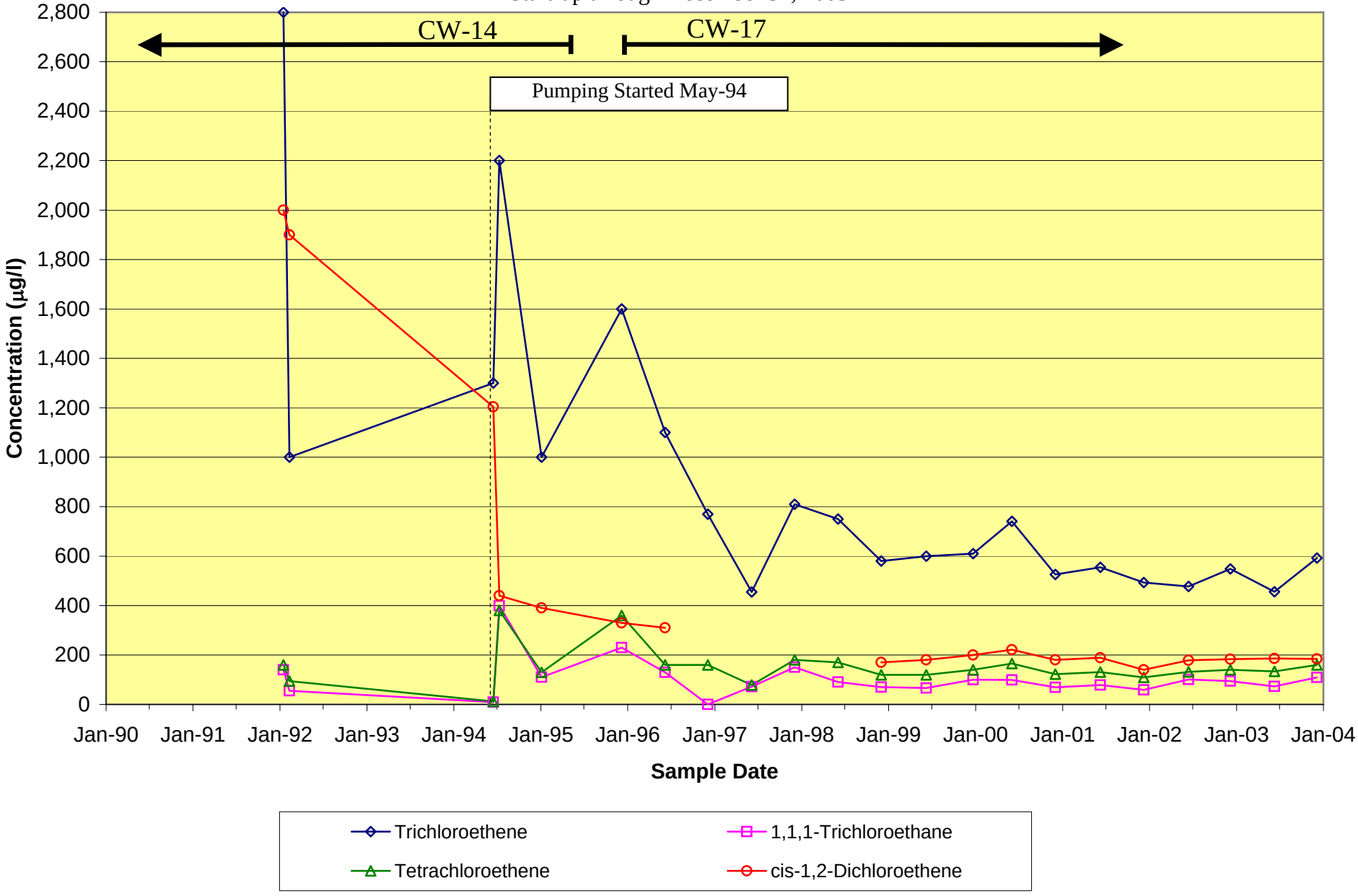

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Figure 9-1
TCE in SPBA Monitoring Wells
Harley-Davidson Motor Company Operations, Inc.

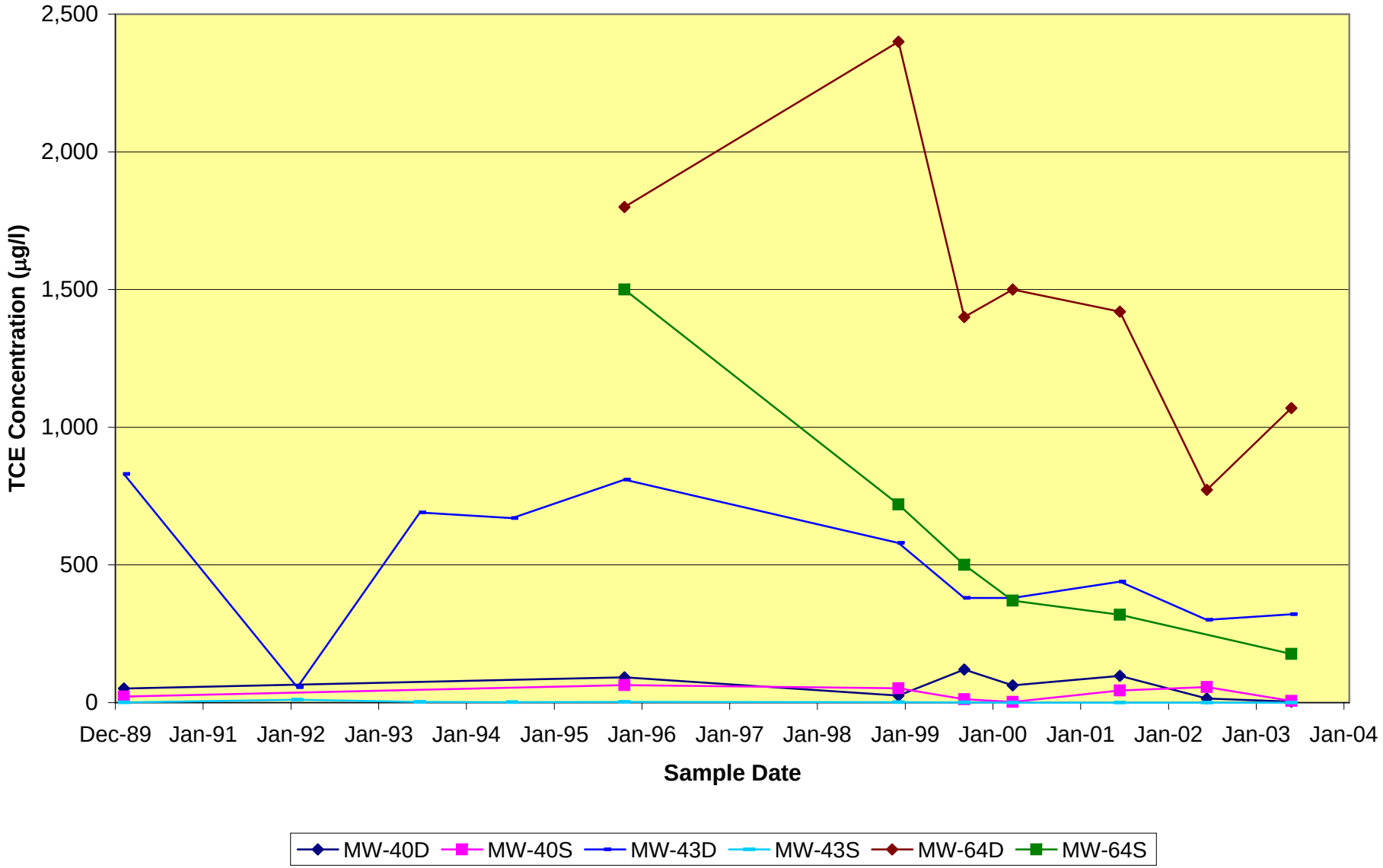

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Figure 10-1
PCE in Eastern Area Monitoring Wells
Harley-Davidson Motor Company Operations, Inc.

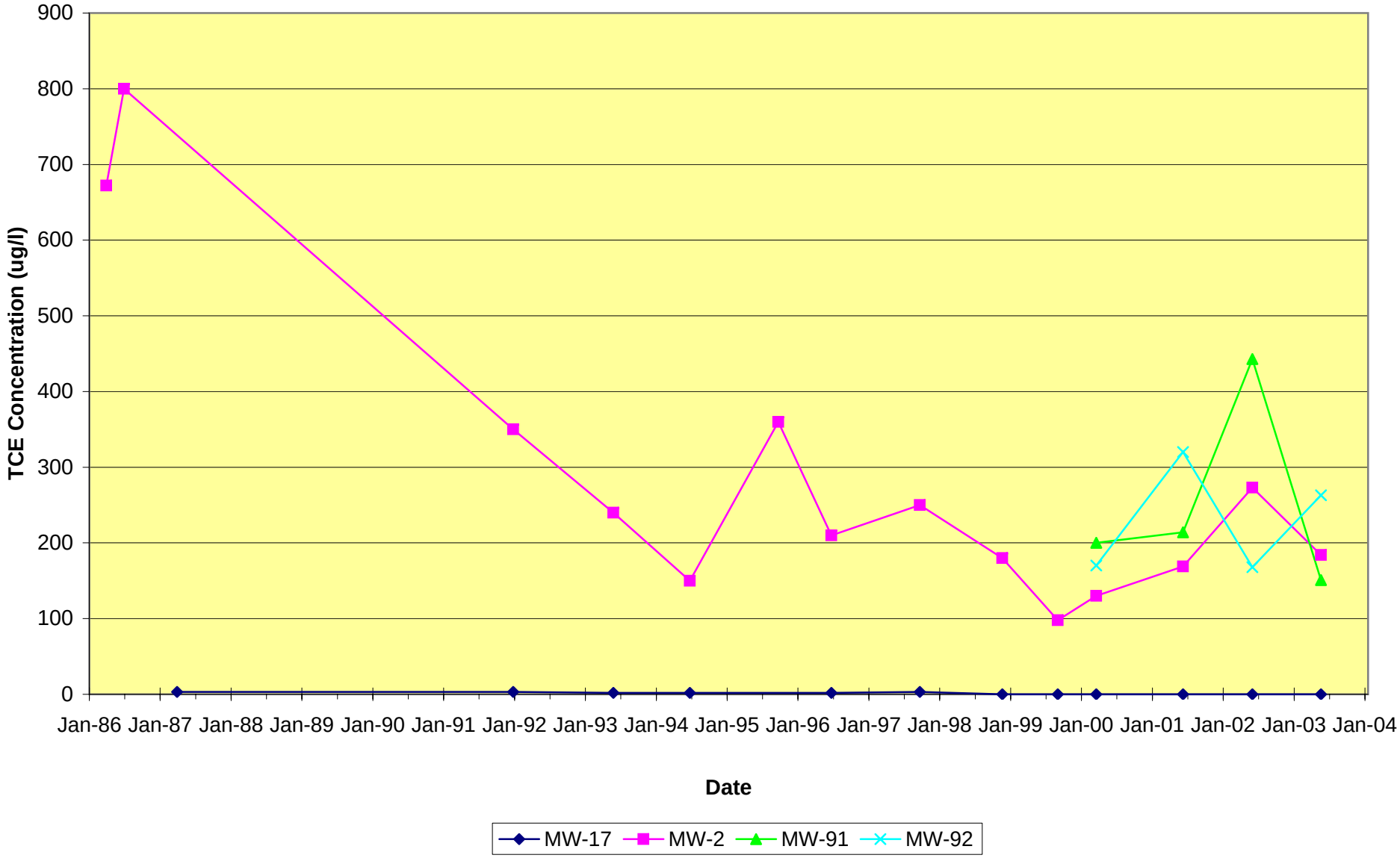

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Figure 10-2
TCE in Eastern Area Monitoring Wells
Harley-Davidson Motor Company Operations, Inc.

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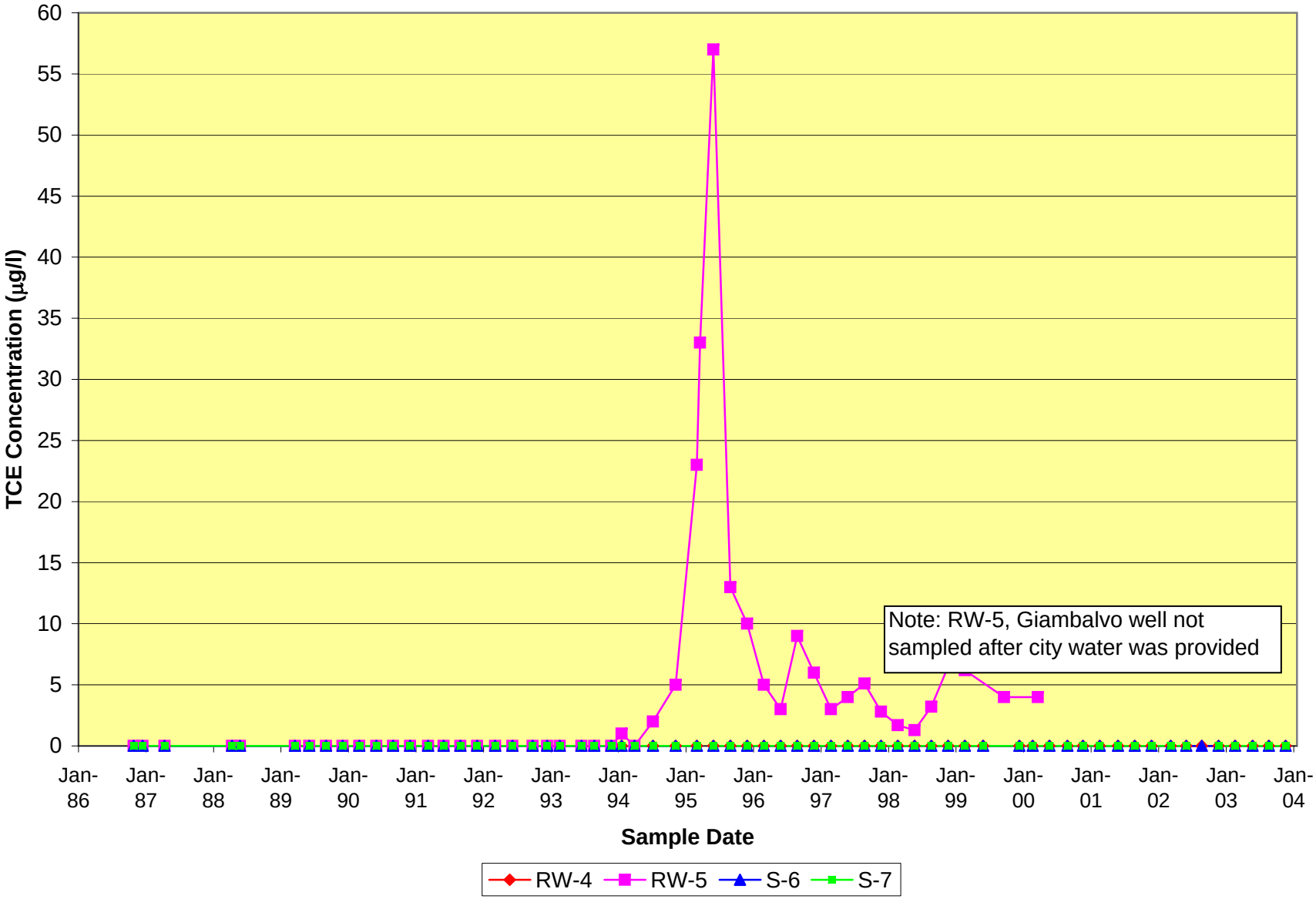
Figure 11-1
TCE in Off-Site Wells
Harley-Davidson Motor Company Operations, Inc.



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TABLES

TABLE 3-1

MONTHLY PRECIPITATION COMPARISON
Harley-Davidson Motor Company Operations, Inc.
York, PA

Month	2003 Precipitation Amount (inches)	Normal Precipitation Amount (inches)
January	2.8	3.44
February	3.65	2.77
March	3.92	3.65
April	2.5	3.52
May	4.8	4.26
June	6.3	4.31
July	3.79	3.75
August	7.71	3.33
September	8.97	4.10
October	4.36	3.16
November	4.02	3.47
December	2.45	3.24
TOTALS:	55.3	43.00

Notes:
2003 Precipitation data collected by Harley-Davidson at its plant in York, PA
Normal precipitation data is for York, PA from Accuweather.com

TABLE 3-2

ANNUAL HISTORICAL PRECIPITATION TOTALS
Harley-Davidson Motor Company Operations, Inc.
York, PA

Calendar Year	Annual Rainfall (inches)
1992	36.73
1993	51.33
1994	45.68
1995	50.51
1996	58.85
1997	33.60
1998	42.95
1999	38.43
2000	37.45
2001	27.93
2002	39.80
2003	55.3

Notes:
Precipitation data for 1992 - 1997 from United States Geological Survey
Precipitation data for 1998 - 2002 from AccuWeather.com
Precipitation data for 2003 from Harley-Davidson

TABLE 4-1
VOCs REMOVED FROM COLLECTED GROUNDWATER
GROUNDWATER TREATMENT SYSTEM
JANRUARY 1, 2003 - DECEMBER 31, 2003

Harley - Davidson Motor Company Operations, Inc.

DATE	MONTHLY GROUNDWATER WITHDRAWAL (PTA Totalizer, gallons)	AVERAGE MONTHLY TOTAL VOCs (ppb)	ESTIMATED MONTHLY VOC REMOVAL (pounds)
Jan-03	11,557,030	1191 *	115
Feb-03	9,668,586	1191 *	96
Mar-03	13,555,196	1165	132
Apr-03	13,785,219	1165 *	134
May-03	13,181,853	1165 *	128
Jun-03	13,725,799	1236	142
Jul-03	13,630,070	1236 *	141
Aug-03	12,072,810	1236 *	125
Sep-03	11,929,996	1386	138
Oct-03	13,316,979	1386 *	154
Nov-03	13,089,691	1386 *	151
Dec-03	13,584,279	1261	143
TOTAL	**153,097,508**	**NA**	**1599**

ANNUAL TOTALS		
YEAR	YEARLY GROUNDWATER WITHDRAWAL (gallons)	ESTIMATED YEARLY VOC REMOVAL (pounds)
1990 (NOV & DEC)	12,954,886	92
1991	62,458,393	357
1992	66,081,120	322
1993	72,198,940	421
1994	88,387,251	3,905
1995	141,357,856	5,572
1996	152,168,899	3,631
1997	150,246,400	2,675
1998	157,461,800	2,795
1999	133,687,100	1,464
2000	152,839,477	1,785
2001	134,557,249	1,659
2002	121,290,897	1269
2003	153,097,508	1,599
TOTAL	**1,598,787,776**	**27,547**

NOTES:

* - No sample collected this month; concentration is the most recent previous analytical result.

NA - Not Applicable

TABLE 5-1
RECORD OF GROUNDWATER WITHDRAWALS
GALLONS PER MONTH FOR EACH EXTRACTION WELL
JANUARY 1, 2003 - DECEMBER 31, 2003
Harley-Davidson Motor Company Operations, Inc.

	NPBA WELLS (gallons)										TCA WELLS (gallons)		WPL WELLS (gallons)					Softail De-	MONTHLY
MONTH	CW-1	CW-1A	CW-2	CW-3	CW-4	CW-5	CW-6	CW-7	CW-7A	SUBTOTAL	CW-8	SUBTOTAL	CW-9	CW-13	CW-15A	CW-17	SUBTOTAL	Watering System	TOTAL
Jan-03	134,430	0	4,195	47,019	57,970	72,526	228,644	11,475	3	556,262	3,838,700	3,838,700	2,965,306	686,405	0	3,427,767	7,079,478	82,590	11,557,030
Feb-03	109,683	0	1,283	31,742	47,956	38,492	181,818	9,537	8,738	429,249	3,246,767	3,246,767	3,038,600	0	0	2,917,480	5,956,080	36,490	9,668,586
Mar-03	132,407	0	274	148,892	80,350	51,157	247,375	11,766	36,753	708,974	3,715,500	3,715,500	3,479,806	2,223,914	0	3,360,032	9,063,752	66,970	13,555,196
Apr-03	124,823	0	450	128,983	84,504	48,491	212,492	10,568	37,279	647,590	3,499,700	3,499,700	3,290,711	3,126,703	0	3,156,235	9,573,649	64,280	13,785,219
May-03	113,187	0	1,264	141,865	39,959	50,746	131,588	10,270	15,318	504,197	3,433,100	3,433,100	3,305,893	2,935,794	0	2,879,609	9,121,296	123,260	13,181,853
Jun-03	101,391	0	596	130,885	110,072	48,092	144,260	11,048	16,713	563,057	3,600,600	3,600,600	3,328,120	2,940,192	0	3,168,360	9,436,672	125,470	13,725,799
Jul-03	108,754	3,696	578	132,296	84,221	49,251	166,236	10,891	145	556,068	3,890,000	3,890,000	3,329,348	2,667,319	0	3,160,195	9,156,862	27,140	13,630,070
Aug-03	101,242	999	363	191,555	100,316	48,696	160,275	10,157	0	613,603	3,886,200	3,886,200	2,902,765	1,718,581	99,354	2,818,867	7,539,567	33,440	12,072,810
Sep-03	69,626	2	1,379	126,305	79,611	47,107	136,083	9,586	0	469,699	3,281,400	3,281,400	2,868,332	2,389,161	27,600	2,823,854	8,108,947	69,950	11,929,996
Oct-03	60,651	0	3,151	73,374	80,989	48,623	141,586	11,296	0	419,670	3,799,100	3,799,100	3,165,233	2,687,690	4,854	3,192,962	9,050,739	47,470	13,316,979
Nov-03	63,530	0	1,657	57,117	59,681	54,111	126,062	10,744	0	372,902	3,698,900	3,698,900	3,237,251	2,611,291	39,385	3,095,852	8,983,779	34,110	13,089,691
Dec-03	68,619	0	3,521	55,274	62,771	61,403	126,959	2,986	0	381,533	3,829,000	3,829,000	3,387,184	2,765,701	0	3,187,991	9,340,876	32,870	13,584,279
TOTALS	1,188,343	4,697	18,711	1,265,307	888,400	618,695	2,003,378	120,324	114,949	6,222,804	43,718,967	43,718,967	38,298,549	26,752,751	171,193	37,189,204	102,411,697	744,040	153,097,508

TABLE 5-2
GROUNDWATER EXTRACTION WELL PUMPING ELEVATIONS
Harley-Davidson Motor Company Operations, Inc.

Extraction System Location	Well No.	Reference Elevation (ft AMSL)	Range (ft AMSL)		Groundwater Elev. (ft AMSL)	
			Pump On (High)	Pump Off (Low)	9-Jun-03	23-Dec-03
NPBA	CW-1	570.88	496.38	493.38	493.93	515.83
	CW-1A	569.93	510.43	507.43	508.06	540.88
	CW-2	557.79	484.29	481.29	501.05	516.43
	CW-3	519.43	441.43	438.43	456.56	476.39
	CW-4	542.32	458.82	455.82	467.29	483.80
	CW-5	472.06	426.56	423.56	455.43	453.66
	CW-6	486.98	416.48	413.48	439.37	450.84
	CW-7	574.61	494.11	491.11	488.16	543.94
	CW-7A	574.71	524.21	521.21	539.48	542.41
TCA	CW-8	363.84	339.84	335.84	347.72	343.62
WPL	CW-9	360.79	333.79	328.79	335.72	337.62
	CW-13	361.64	327.6	322.6	331.50	326.75
	CW-15A	362.57	333.5	328.5	348.57	covered
	CW-17	361.67	335.67	330.67	332.87	335.68

Notes:
ft AMSL - feet above mean sea level

TABLE 5-3
COMPARISON OF INDIVIDUAL VOC VS TOTAL VOC CONCENTRATIONS
NORTH PROPERTY BOUNDARY AREA
Harley-Davidson Motor Company Operations, Inc.

Wells	Groundwater Extraction 2002 (Gallons)	Groundwater Extraction 2003 (Gallons)	TCE Jun-02 (µg/l)	TCE Jun-03 (µg/l)	TCE%* Jun-03	PCE Jun-02 (µg/l)	PCE Jun-03 (µg/l)	PCE%* Jun-03
CW-1	1,052,349	1,188,343	110	112	92.2	N.D.	N.D.	0
CW-1A	889	4,697	22.9	171	97.4	N.D.	1.7	1.0
CW-2	8,969	18,711	90	69.5	67.3	N.D.	1.2	1.2
CW-3	903,783	1,265,307	95	121	71.1	89	3.8	2.2
CW-4	940,021	888,400	134	123	70.8	4.4	6.9	4.0
CW-5	515,501	618,695	30	60.3	81.0	N.D.	5.3	7.1
CW-6	2,063,538	2,003,378	92	81.6	22.2	164	216	58.8
CW-7	123,313	120,324	97	84.4	96.0	N.D.	1.7	1.9
CW-7A	73	114,949	1180	553	94.2	13	20.0	3.4
TOTALS	5,608,436	6,222,804						
MW-10			190	214	100	N.D.	N.D.	0
MW-12			309	180	98.7	4.2	2.4	1.3
RW-2			25	2.7	100	N.D.	N.D.	0

* - Represents the percent of the total volatile organic compound concentration.
N.D. - Not Detected above laboratory reporting limit
(µg/l) - Micrograms per liter
TCE - trichloroethene
PCE - tetrachloroethene

TABLE 6-1
COMPARISON OF INDIVIDUAL VOC VS TOTAL VOC CONCENTRATIONS
TCA TANK AREA
Harley-Davidson Motor Company Operations, Inc.

Wells	Groundwater Extraction 2002 (Gallons)	Groundwater Extraction 2003 (Gallons)	TCA Jun-02 (µg/l)	TCA Jun-03 (µg/l)	TCE Jun-02 (µg/l)	TCE Jun-03 (µg/l)	PCE Jun-02 (µg/l)	PCE Jun-03 (µg/l)	DCE** Jun-02 (µg/l)	DCE** Jun-03 (µg/l)
CW-8	39,586,849	43,718,967	23	45	372	540	27	37.1	85	147
MW-32S			4.2	6.9	1.0	15.2	N.D.	N.D.	1.6	N.A.
MW-32D			21	20	847	292	75	64.4	239	N.A.
MW-34S			3.4	N.D.	82	9.5	77	5.5	3.4	N.A.
MW-34D			N.D.	1.7	8.4	68.5	2.7	18.6	6.7	N.A.
MW-35D			2.3	3.6	88	188	21	33.9	2.3	N.A.
MW-54			187	23.8	965	428	45	77.4	113	N.A.

Wells	% TCA* Jun-03	% TCE* Jun-03	% PCE* Jun-03	% DCE* Jun-03
CW-8	5.6	67.3	4.6	18.3
MW-32S	9.5	21.0	0	N.A.
MW-32D	4.3	61.9	13.6	N.A.
MW-34S	N.D.	63.3	36.7	N.A.
MW-34D	1.7	68.3	18.5	N.A.
MW-35D	1.5	80.1	14.5	N.A.
MW-54	3.9	69.3	12.5	N.A.

* - Represents the percent of the total volatile organic compound concentration
** - Represents the concentration of cis-1,2-DCE
N.A. - Not Analyzed
N.D. - Not Detected above laboratory reporting limit
(µg/l) - Micrograms per liter
TCE - Trichloroethene
PCE - Tetrachloroethene
TCA - 1,1,1-Trichloroethane
DCE - 1,2-Dichloroethene

TABLE 7-1
COMPARISON OF INDIVIDUAL VOC VS TOTAL VOC CONCENTRATIONS
WEST PARKING LOT
Harley-Davidson Motor Company Operations, Inc.

Wells	Groundwater Extraction 2002 (Gallons)	Groundwater Extraction 2003 (Gallons)	TCA Jun-02 (ug/l)	TCA Jun-03 (ug/l)	TCE Jun-02 (ug/l)	TCE Jun-03 (ug/l)	PCE Jun-02 (ug/l)	PCE Jun-03 (ug/l)	DCE** Jun-02 (ug/l)	DCE** Jun-03 (ug/l)
CW-9	16,877,584	38,298,549	41	98.1	221	789	1,460	1,240	124	150
CW-13	26,343,896	26,752,751	41	40.3	952	772	248	224	680	494
CW-15A	712,157	171,193	8,400	N.A.	10,500	N.A.	1,600	N.A.	4,210	N.A.
CW-17	30,562,482	37,189,204	101	73.3	477	456	132	134	178	186
TOTALS	74,496,119	102,411,697								
MW-5			N.D.	N.D.	2.4	3.8	N.D.	N.D.	17	N.A.
MW-6			N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.
MW-7			N.A.	599	N.A.	2,820	N.A.	555	N.A	N.A.
MW-37S			71	19.9	102	20.3	1,010	117	121	N.A.
MW-37D			332	262	1,010	485	1,960	1,250	259	N.A.
MW-38D			N.D.	1.6	15	50.1	N.D.	4.1	14	N.A.
MW-39S			N.A.	N.D.	N.A.	50.9	N.A.	9.8	N.A.	N.A.
MW-39D			3.2	1.8	335	193	33	30.1	129	N.A.
MW-47			N.A.	36.1	N.A.	154	N.A.	64.5	N.A.	N.A.
MW-51S			183	215	2,600	1,920	1,660	1,070	706	N.A.
MW-51D			14	10.8	348	452	28	45.4	1,240	N.A.
MW-74S			1.6	1.4	6.3	122	2.3	17	138	N.A.
MW-74D			5	5.5	112	196	15	27.9	48	N.A.
MW-75S			778	511	8,470	4,680	39,900	18,000	339	N.A.
MW-75D			218	240	1,470	4,780	3,020	5,160	7,360	N.A.
CW-12			4.8	4.2	8.8	75.6	35	27.1	78	N.A.

Wells	% TCA* Jun-03	% TCE* Jun-03	% PCE* Jun-03	% DCE* Jun-03
CW-9	4.2	34.2	53.7	6.5
CW-13	2.6	49.0	14.2	31.3
CW-15A	N.A.	N.A.	N.A.	N.A.
CW-17	8.2	50.7	14.9	20.7
MW-5	0	100	0	N.A.
MW-6	0	0	0	N.A.
MW-7	13.7	64.7	12.7	N.A.
MW-37S	12.4	12.7	73.2	N.A.
MW-37D	12.9	23.9	61.6	N.A.
MW-38D	2.7	83.5	6.8	N.A.
MW-39S	0	83.9	16.1	N.A.
MW-39D	0.8	85.8	13.4	N.A.
MW-47	11.7	49.9	20.9	N.A.
MW-51S	6.2	55.6	31.0	N.A.
MW-51D	1.6	67.9	6.8	N.A.
MW-74S	1.0	84.4	11.8	N.A.
MW-74D	2.3	82.4	11.7	N.A.
MW-75S	2.2	20.1	77.3	N.A.
MW-75D	2.3	46.6	50.3	N.A.
CW-12	3.7	67.3	24.1	N.A.

* - Represents the percent of the total volatile organic compound concentration
** - Represents the concentration of cis-1,2-DCE
N.D. - Not Detected above method detection limit
(µg/l) - Micrograms per liter
TCE - Trichloroethene
PCE - Tetrachloroethene
TCA - 1,1,1-Trichloroethane
DCE - 1,2-Dichloroethene

APPENDIX A

Data Tables

TABLE A-1
SITE-WIDE GROUNDWATER LEVELS AND ELEVATION DATA
Harley-Davidson Motor Company Operations, Inc.

	Reference	6/18/2001		12/7/2001		6/10/2002		12/16/2002		6/9/2003		12/23/2003	
Well	Elevation (ft AMSL)	Depth (feet)	Water Level (ft AMSL)	Depth (feet)	Water Level (ft AMSL)	Depth (feet)	Water Level (ft AMSL)	Depth (feet)	Water Level (ft AMSL)	Depth (feet)	Water Level (ft AMSL)	Depth (feet)	Water Level (ft AMSL)
CW-1	570.88	74.91	495.97	78.26	492.62	73.94	496.94	72.43	498.45	76.95	493.93	55.05	515.83
CW-1A	569.93	63.83	506.10	69.02	500.91	65.08	504.85	63.80	506.13	61.87	508.06	29.05	540.88
CW-2	557.79	76.61	481.18	78.73	479.06	76.98	480.81	76.61	481.18	56.74	501.05	41.36	516.43
CW-3	519.43	49.70	469.73	81.50	437.93	64.12	455.31	48.70	470.73	62.87	456.56	43.04	476.39
CW-4	542.32	85.36	456.96	88.51	453.81	72.90	469.42	62.01	480.31	75.03	467.29	58.52	483.80
CW-5	472.06	37.20	434.86	34.73	437.33	30.41	441.65	19.98	452.08	16.63	455.43	18.40	453.66
CW-6	486.98	61.86	425.12	75.20	411.78	71.88	415.10	69.50	417.48	47.61	439.37	36.14	450.84
CW-7	574.61	84.61	490.00	79.90	494.71	79.42	495.19	84.74	489.87	86.45	488.16	30.67	543.94
CW-7A	574.71	45.65	529.06	50.32	524.39	46.66	528.05	40.38	534.33	35.23	539.48	32.30	542.41
CW-8	363.84	24.97	338.87	27.40	336.44	24.28	339.56	23.97	339.87	16.12	347.72	20.22	343.62
CW-9	360.79	25.20	335.59	27.70	333.09	17.77	343.02	20.69	340.10	25.04	335.75	23.17	337.62
CW-12	362.06	18.64	343.42	19.45	342.61	16.54	345.52	N.M.	--	14.22	347.84	13.89	348.17
CW-12A	362.18	18.64	343.54	19.71	342.47	16.23	345.95	14.94	347.24	15.41	346.77	14.49	347.69
CW-13	361.64	36.71	324.93	39.40	322.24	40.18	321.46	37.01	324.63	30.14	331.50	34.89	326.75
CW-14	360.42	27.71	332.71	29.95	330.47	29.97	330.45	28.46	331.96	27.39	333.03	24.71	335.71
CW-15	362.81	20.94	341.87	23.48	339.33	21.73	341.08	N.M.	--	13.83	348.98	14.27	348.54
CW-15A	362.57	20.94	341.63	31.36	331.21	28.10	334.47	16.30	346.27	14.00	348.57	covered w/plate	--
CW-16	364.32	N.M.	--	--	--	22.62	341.70	19.18	345.14	17.45	346.87	18.59	345.73
CW-17	360.17	27.48	332.69	29.74	330.43	29.76	330.41	28.28	331.89	27.30	332.87	24.49	335.68
CW-18	365.76	21.04	344.72	23.68	342.08	20.68	345.08	17.28	348.48	15.56	350.20	16.38	349.38
MW-1	376.35	32.09	344.26	34.74	341.61	31.72	344.63	28.30	348.05	26.95	349.40	buried w/soil	--
MW-2	509.44	65.20	444.24	72.08	437.36	65.76	443.68	58.27	451.17	54.16	455.28	56.28	453.16
MW-3	542.11	64.95	477.16	70.56	471.55	66.52	475.59	62.72	479.39	57.27	484.84	49.39	492.72
MW-5	370.80	26.39	344.41	29.91	340.89	27.45	343.35	24.75	346.05	20.73	350.07	20.84	349.96
MW-6	361.06	20.26	340.80	21.35	339.71	20.42	340.64	15.93	345.13	14.83	346.23	17.72	343.34
MW-7	362.18	28.80	333.38	31.91	330.27	31.31	330.87	29.66	332.52	29.29	332.89	26.55	335.63
MW-8	360.55	20.79	339.76	22.73	337.82	17.85	342.70	17.23	343.32	18.33	342.22	16.26	344.29
MW-9	559.76	55.18	504.58	57.51	502.25	54.16	505.60	49.75	510.01	50.00	509.76	39.30	520.46
MW-10	568.75	57.12	511.63	61.75	507.00	56.85	511.90	52.25	516.50	48.32	520.43	40.14	528.61
MW-11	565.11	38.01	527.10	55.72	509.39	38.20	526.91	24.32	540.79	21.59	543.52	23.20	541.91
MW-12	536.69	38.85	497.84	50.14	486.55	51.80	484.89	46.83	489.86	35.28	501.41	29.32	507.37
MW-14	520.39	32.27	488.12	37.06	483.33	32.27	488.12	23.98	496.41	23.05	497.34	23.31	497.08
MW-15	524.90	60.46	464.44	61.87	463.03	60.58	464.32	48.11	476.79	47.09	477.81	47.74	477.16
MW-16S	517.50	35.36	482.14	53.00	464.50	42.75	474.75	35.58	481.92	35.13	482.37	27.03	490.47
MW-16D	517.50	12.09	505.41	17.29	500.21	9.42	508.08	4.35	513.15	5.11	512.39	artesian	artesian
MW-17	458.03	12.18	445.85	14.72	443.31	13.45	444.58	10.40	447.63	6.83	451.20	8.48	449.55
MW-18S	465.37	15.36	450.01	23.74	441.63	19.93	445.44	16.28	449.09	7.44	457.93	2.71	462.66
MW-18D	465.37	15.39	449.98	23.10	442.27	19.14	446.23	15.67	449.70	6.61	458.76	0.97	464.40
MW-19	428.20	22.38	405.82	28.32	399.88	23.42	404.78	21.17	407.03	17.91	410.29	17.44	410.76
MW-20S	575.34	45.79	529.55	50.87	524.47	46.90	528.44	41.10	534.24	35.72	539.62	32.67	542.67
MW-20M	575.21	49.04	526.17	53.10	522.11	49.57	525.64	44.06	531.15	40.11	535.10	30.62	544.59
MW-20D	575.21	48.85	526.36	53.72	521.49	49.38	525.83	44.21	531.00	41.48	533.73	26.46	548.75
MW-22	448.57	59.25	389.32	68.33	380.24	60.31	388.26	53.01	395.56	48.29	400.28	50.49	398.08
MW-26	377.52	24.67	352.85	31.04	346.48	27.78	349.74	N.M.	--	N.M.	--	N.M.	--
MW-27	362.26	19.69	342.57	22.24	340.02	19.39	342.87	16.08	346.18	13.74	348.52	13.62	348.64
MW-28	363.96	22.24	341.72	24.55	339.41	21.18	342.78	17.65	346.31	16.63	347.33	17.18	346.78
MW-29	365.63	13.84	351.79	N.M.	--	N.M.	--	14.47	351.16	13.56	352.07	13.83	351.80
MW-30	364.99	20.40	344.59	23.56	341.43	20.72	344.27	16.47	348.52	14.00	350.99	13.50	351.49
MW-31S	368.31	20.67	347.64	25.79	342.52	22.84	345.47	18.04	350.27	14.08	354.23	13.95	354.36
MW-31D	368.31	20.71	347.60	25.85	342.46	22.86	345.45	20.26	348.05	14.13	354.18	14.03	354.28
MW-32S	363.46	22.08	341.38	24.18	339.28	20.80	342.66	17.10	346.36	16.62	346.84	16.84	346.62
MW-32D	363.46	21.49	341.97	23.78	339.68	20.44	343.02	17.27	346.19	16.92	346.54	16.52	346.94
MW-33	364.94	23.19	341.75	--	--	21.94	343.00	18.61	346.33	17.62	347.32	18.08	346.86
MW-34S	362.12	N.M.	--	22.53	339.59	19.90	342.22	15.83	346.29	15.06	347.06	15.40	346.72
MW-34D	362.12	N.M.	--	22.65	339.47	19.26	342.86	15.76	346.36	14.80	347.32	15.46	346.66
MW-35S	361.58	dry	--	dry	--	18.59	342.99	15.15	346.43	14.40	347.18	14.83	346.75
MW-35D	361.59	19.88	341.71	22.18	339.41	18.81	342.78	15.30	346.29	14.60	346.99	14.65	346.94
MW-36S	372.30	27.63	344.67	30.66	341.64	28.48	343.82	25.62	346.68	20.95	351.35	21.60	350.70
MW-36D	372.30	27.84	344.46	30.80	341.50	28.64	343.66	25.88	346.42	22.10	350.20	22.22	350.08
MW-37S	360.83	18.60	342.23	19.56	341.27	16.73	344.10	15.74	345.09	16.10	344.73	15.43	345.40
MW-37D	360.83	18.96	341.87	19.29	341.54	17.04	343.79	15.32	345.51	15.80	345.03	15.60	345.23
MW-38D	359.48	20.16	339.32	22.27	337.21	19.48	340.00	17.94	341.54	18.78	340.70	15.86	343.62
MW-39S	361.56	23.78	337.78	dry	--	24.45	337.11	22.35	339.21	21.54	340.02	20.32	341.24
MW-39D	361.56	23.93	337.63	26.40	335.16	24.78	336.78	22.50	339.06	21.86	339.70	20.19	341.37
MW-40S	375.83	31.86	343.97	34.51	341.32	31.44	344.39	28.11	347.72	26.77	349.06	27.66	348.17
MW-40D	375.83	31.73	344.10	34.36	341.47	31.34	344.49	27.96	347.87	26.59	349.24	27.66	348.17
MW-43S	380.93	33.14	347.79	38.10	342.83	33.98	346.95	28.31	352.62	24.87	356.06	26.65	354.28
MW-43D	381.31	33.55	347.76	38.27	343.04	34.12	347.19	27.95	353.36	25.16	356.15	26.95	354.36

TABLE A-1
SITE-WIDE GROUNDWATER LEVELS AND ELEVATION DATA
Harley-Davidson Motor Company Operations, Inc.

Well	Reference Elevation (ft AMSL)	6/18/2001		12/7/2001		6/10/2002		12/16/2002		6/9/2003		12/23/2003	
		Depth (feet)	Water Level (ft AMSL)	Depth (feet)	Water Level (ft AMSL)	Depth (feet)	Water Level (ft AMSL)	Depth (feet)	Water Level (ft AMSL)	Depth (feet)	Water Level (ft AMSL)	Depth (feet)	Water Level (ft AMSL)
MW-45	361.13	19.40	341.73	21.43	339.70	18.25	342.88	14.91	346.22	14.08	347.05	14.39	346.74
MW-46	360.25	18.48	341.77	20.56	339.69	17.10	343.15	13.91	346.34	13.33	346.92	13.51	346.74
MW-47	361.74	22.65	339.09	24.37	337.37	21.66	340.08	18.76	342.98	17.94	343.80	buried in construction zone	--
MW-48	362.85	29.84	333.01	N.M.	--	N.M.	--	16.30	346.55	N.M.	--	buried	--
MW-49S	363.02	20.62	342.40	22.75	340.27	20.55	342.47	16.81	346.21	14.21	348.81	14.21	348.81
MW-49D	363.02	20.37	342.65	22.39	340.63	20.27	342.75	16.60	346.42	14.31	348.71	14.49	348.53
MW-50S	361.72	21.87	339.85	25.03	336.69	22.13	339.59	18.71	343.01	17.79	343.93	17.84	343.88
MW-50D	361.69	21.95	339.74	24.43	337.26	22.67	339.02	20.32	341.37	19.10	342.59	19.03	342.66
MW-51S	363.46	28.62	334.84	30.29	333.17	29.40	334.06	28.18	335.28	27.69	335.77	24.97	338.49
MW-51D	363.86	28.86	335.00	30.87	332.99	29.97	333.89	28.64	335.22	28.80	335.06	25.12	338.74
MW-52	368.52	13.98	354.54	21.50	347.02	17.95	350.57	10.95	357.57	4.65	363.87	7.67	360.85
MW-53	368.25	13.09	355.16	20.76	347.49	16.71	351.54	11.91	356.34	5.52	362.73	6.93	361.32
MW-54	364.98	N.M.	--	26.58	338.40	23.33	341.65	19.90	345.08	18.57	346.41	18.27	346.71
MW-55	364.89	N.M.	--	26.79	338.10	N.M.	--	N.M.	--	18.56	346.33	19.23	345.66
MW-56	373.03	18.64	354.39	23.26	349.77	17.70	355.33	13.60	359.43	13.27	359.76	17.29	355.74
MW-57	366.02	21.59	344.43	23.66	342.36	20.52	345.50	17.23	348.79	15.80	350.22	17.13	348.89
MW-64S	417.26	34.11	383.15	41.95	375.31	dry	--	35.32	381.94	31.10	386.16	27.08	390.18
MW-64D	417.27	60.71	356.56	65.52	351.75	62.00	355.27	56.93	360.34	54.29	362.98	53.12	364.15
MW-65S	548.98	49.55	499.43	54.70	494.28	50.82	498.16	46.23	502.75	44.53	504.45	43.20	505.78
MW-65D	548.98	48.01	500.97	53.35	495.63	49.34	499.64	44.45	504.53	42.68	506.30	40.57	508.41
MW-66S	508.99	38.86	470.13	42.79	466.20	39.12	469.87	32.38	476.61	30.51	478.48	32.38	476.61
MW-66D	508.99	39.85	469.14	44.84	464.15	40.31	468.68	32.99	476.00	30.55	478.44	32.70	476.29
MW-67S	447.84	6.95	440.89	14.09	433.75	11.18	436.66	N.M.	--	3.33	444.51	6.07	441.77
MW-67D	447.84	artesian	--	artesian	--	artesian	--	artesian	--	artesian	--	artesian	--
MW-68	459.01	N.M.	--	N.M.	--	7.66	451.35	5.04	453.97	1.18	457.83	1.49	457.52
MW-69	412.80	10.23	402.57	19.44	393.36	14.23	398.57	11.67	401.13	6.50	406.30	4.22	408.58
MW-70S	414.11	19.95	394.16	29.57	384.54	24.78	389.33	18.44	395.67	8.91	405.20	9.45	404.66
MW-70D	414.16	19.82	394.34	29.71	384.45	24.43	389.73	17.17	396.99	8.65	405.51	9.20	404.96
MW-74S	360.76	21.83	338.93	23.57	337.19	22.24	338.52	19.90	340.86	18.94	341.82	18.17	342.59
MW-74D	360.70	20.55	340.15	22.42	338.28	21.02	339.68	18.18	342.52	17.60	343.10	17.18	343.52
MW-75S	360.48	19.48	341.00	20.03	340.45	17.04	343.44	15.84	344.64	16.49	343.99	15.68	344.80
MW-75D	361.80	21.16	340.64	21.83	339.97	17.99	343.81	16.69	345.11	17.89	343.91	16.73	345.07
MW-76	362.29	23.38	338.91	25.39	336.90	23.12	339.17	20.71	341.58	19.58	342.71	18.78	343.51
MW-77	379.28	25.98	353.30	33.99	345.29	29.32	349.96	26.73	352.55	20.46	358.82	20.18	359.10
MW-78	367.89	17.11	350.78	23.17	344.72	N.M.	--	N.M.	--	11.17	356.72	NM-due to oily puddle over top	--
MW-79	376.76	N.M.	--	N.M.	--	N.M.	--	N.M.	--	N.M.	--	couldn't find	--
MW-80	371.21	26.40	344.81	29.39	341.82	26.13	345.08	22.66	348.55	20.86	350.35	21.69	349.52
MW-81S	360.97	19.21	341.76	21.66	339.31	18.26	342.71	14.90	346.07	14.18	346.79	13.91	347.06
MW-81D	360.75	18.68	342.07	21.26	339.49	18.01	342.74	14.65	346.10	13.64	347.11	13.22	347.53
MW-82	385.10	40.42	344.68	44.02	341.08	42.03	343.07	39.44	345.66	35.23	349.87	35.02	350.08
MW-83	364.82	16.31	348.51	19.85	344.97	17.90	346.92	15.50	349.32	10.35	354.47	7.95	356.87
MW-84	368.79	17.01	351.78	23.09	345.70	20.11	348.68	N.M.	--	N.M.	--	10.33	358.46
MW-85	372.84	29.13	343.71	31.81	341.03	28.27	344.57	7.32	365.52	21.35	351.49	7.91	364.93
MW-86S	407.42	12.10	395.32	23.61	383.81	17.01	390.41	12.24	395.18	8.55	398.87	8.40	399.02
MW-86D	407.48	9.31	398.17	18.10	389.38	11.00	396.48	8.69	398.79	6.69	400.79	6.65	400.83
MW-87	371.56	26.69	344.87	29.69	341.87	26.46	345.10	23.00	348.56	21.22	350.34	21.96	349.60
MW-88	369.34	N.M.	--	N.M.	--	24.53	344.81	21.17	348.17	20.10	349.24	21.01	348.33
MW-91	501.75	56.95	444.80	63.95	437.80	57.22	444.53	48.83	452.92	46.29	455.46	48.50	453.25
MW-92	477.51	84.52	392.99	93.25	384.26	86.10	391.41	78.90	398.61	70.40	407.11	73.31	404.20
WPL-SS-7	361.92	25.83	336.09	28.12	333.80	25.18	336.74	23.38	338.54	24.52	337.40	20.54	341.38
WPL-SS-8	365.26	27.41	337.85	27.71	337.55	26.52	338.74	25.12	340.14	24.13	341.13	22.65	342.61

-- : No data
N.M. : Not measured, due to access restrictions (i.e., buried, equipment parked on top, etc.)
dry : Well was dry at time of measurement
Blue shading indicates active extraction well.
Orange shading indicates water level measured from June 2 to June 6

TABLE A-2

KEY WELL GROUNDWATER QUALITY SUMMARY (June 2, 2003 - June 9, 2003)

GROUNDWATER QUALITY ANALYSES

VOLATILE ORGANIC COMPOUND, METALS AND CYANIDE CONCENTRATIONS

Harley-Davidson Motor Company Operations, Inc.

SAMPLE ID		CW-12	MW-2	MW-5	MW-6	MW-7	MW-10	MW-12	MW-17	MW-17 DUP	MW-32D	MW-32S	MW-34D	MW-34S	MW-35D
LAB ID		236625011	236799004	236548001	236549003	236798001	236799005	236799006	236625001	236625002	237022004	236925004	236798002	236798003	236924001
SAMPLE DATE		6/3/2003	6/4/2003	6/2/2003	6/2/2003	6/4/2003	6/4/2003	6/4/2003	6/3/2003	6/3/2003	6/6/2003	6/5/2003	6/4/2003	6/4/2003	6/5/2003
ANALYTE	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOCs															
Acrolein	µg/l	N.D. @ 10	N.D. @ 10	N.D. @ 10	N.D. @ 10	N.D. @ 10	N.D. @ 10	N.D. @ 10	N.D. @ 10	N.D. @ 10	N.D. @ 50	N.D. @ 10	N.D. @ 10	N.D. @ 10	N.D. @ 10
Acrylonitrile	µg/l	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 20	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0
Benzene	µg/l	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 5.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
Bromodichloromethane	µg/l	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 5.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
Bromoform	µg/l	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 5.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
Bromomethane	µg/l	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 10	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0
2-Butanone (MEK)	µg/l	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 20	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0
Carbon Tetrachloride	µg/l	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	3.3	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 5.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
Chlorobenzene	µg/l	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 5.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
Chlorodibromomethane	µg/l	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 5.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
Chloroethane	µg/l	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 5.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
2-Chloroethylvinyl ether	µg/l	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 5.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
Chloroform	µg/l	1.8	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	2.7	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 5.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	1.3
Chloromethane	µg/l	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 5.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
1,1-Dichloroethane	µg/l	1.3	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	70.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	15.8	46.8	3.1	N.D. @ 1.0	2.1
1,2-Dichloroethane	µg/l	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	1.8	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 5.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
1,1-Dichloroethene	µg/l	2.4	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	302	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	22.9	3.6	2.6	N.D. @ 1.0	5.7
trans-1,2-Dichloroethene	µg/l	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	2.3	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	5.2	N.D. @ 1.0	1.0	N.D. @ 1.0	N.D. @ 1.0
1,2-Dichloropropane	µg/l	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 5.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
1,3-Dichloropropene	µg/l	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 10	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0
Ethylbenzene	µg/l	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 5.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
Methylene Chloride	µg/l	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 10	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0
1,1,2,2-Tetrachloroethane	µg/l	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 5.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
Tetrachloroethene	µg/l	27.1	184	N.D. @ 1.0	N.D. @ 1.0	555	N.D. @ 1.0	2.4	N.D. @ 1.0	N.D. @ 1.0	64.4	N.D. @ 1.0	18.6	5.5	33.9
Toluene	µg/l	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 5.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
1,1,1-Trichloroethane	µg/l	4.2	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	599	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	20.4	6.9	1.7	N.D. @ 1.0	3.6
1,1,2-Trichloroethane	µg/l	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	1.2	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 5.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
Trichloroethene	µg/l	75.6	37.2	3.8	N.D. @ 1.0	2820	214	180	79.8	86.2	292	15.2	68.5	9.5	188
Vinyl chloride	µg/l	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	51.1	N.D. @ 2.0	4.8	N.D. @ 2.0	N.D. @ 2.0
TOTAL VOCs	µg/l	112.4	221.2	3.8	0	4357.3	214	182.4	79.8	86.2	471.8	72.5	100.3	15.0	234.6
Metals															
Dissolved Chromium	mg/l	N.D. @ 0.005	N.A.	N.A.	N.D. @ 0.005	0.077	N.A.	N.D. @ 0.005	N.A.	N.A.	N.D. @ 0.005	0.016	N.D. @ 0.005	N.D. @ 0.005	N.A.
Dissolved Lead	mg/l	N.D. @ 0.005	N.A.	N.A.	N.D. @ 0.005	N.D. @ 0.005	N.A.	N.D. @ 0.005	N.A.	N.A.	N.D. @ 0.005	N.D. @ 0.005	N.D. @ 0.005	N.D. @ 0.005	N.A.
Dissolved Nickel	mg/l	N.D. @ 0.02	N.A.	N.A.	N.D. @ 0.02	N.D. @ 0.02	N.A.	N.D. @ 0.02	N.A.	N.A.	N.D. @ 0.02	N.D. @ 0.02	N.D. @ 0.02	N.D. @ 0.02	N.A.
Dissolved Zinc	mg/l	N.D. @ 0.02	N.A.	N.A.	N.D. @ 0.02	N.D. @ 0.02	N.A.	N.D. @ 0.02	N.A.	N.A.	N.D. @ 0.02	N.D. @ 0.02	N.D. @ 0.02	N.D. @ 0.02	N.A.
Hexavalent Chromium	mg/l	N.D. @ 0.01	N.A.	NA	N.D. @ 0.01	0.07	N.A.	N.D. @ 0.01	N.A.	N.A.	N.D. @ 0.01	0.01	N.D. @ 0.01	N.D. @ 0.01	N.A.
Cyanide															
Cyanide, Total	mg/l	N.A.	1.67	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Cyanide, Free	mg/l	N.A.	0.247	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

µg/l - micrograms per liter

mg/l - milligrams per liter

N.D. @ 1.0 - not detected at indicated concentration

N.A. - not analyzed

Note - Laboratory analyses performed by Analytical Laboratory Services, Inc. (ALSI) of Middletown, PA

TABLE A-2

KEY WELL GROUNDWATER QUALITY SUMMARY (June 2, 2003 - June 9, 2003)

GROUNDWATER QUALITY ANALYSES

VOLATILE ORGANIC COMPOUND, METALS AND CYANIDE CONCENTRATIONS

Harley-Davidson Motor Company Operations, Inc.

SAMPLE ID		MW-35D DUP	MW-37D	MW-37S	MW-38D	MW-39D	MW-39S	MW-40D	MW-40S	MW-43D	MW-43S	MW-47	MW-47 DUP	MW-51D
LAB ID		236924002	237022003	236625003	236625004	236924004	236548002	236924009	236549002	236925003	236549001	236924005	236924006	237022007
SAMPLE DATE		6/5/2003	6/6/2003	6/3/2003	6/3/2003	6/5/2003	6/2/2003	6/5/2003	6/2/2003	6/5/2003	6/2/2003	6/5/2003	6/5/2003	6/6-10/2003
ANALYTE	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOCs														
Acrolein	µg/l	N.D. @ 10	N.D. @ 10	N.D. @ 10	N.D. @ 10	N.D. @ 10	N.D. @ 10	N.D. @ 10	N.D. @ 10	N.D. @ 10	N.D. @ 10	N.D. @ 10	N.D. @ 10	N.D. @ 50
Acrylonitrile	µg/l	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 20
Benzene	µg/l	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 5.0
Bromodichloromethane	µg/l	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 5.0
Bromoform	µg/l	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 5.0
Bromomethane	µg/l	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 10
2-Butanone (MEK)	µg/l	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 20
Carbon Tetrachloride	µg/l	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 5.0
Chlorobenzene	µg/l	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 5.0
Chlorodibromomethane	µg/l	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 5.0
Chloroethane	µg/l	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 5.0
2-Chloroethylvinyl ether	µg/l	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 5.0
Chloroform	µg/l	1.9	N.D. @ 1.0	1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 5.0
Chloromethane	µg/l	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 5.0
1,1-Dichloroethane	µg/l	2.8	11.0	1.7	2.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	5.0	5.0	57.1
1,2-Dichloroethane	µg/l	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 5.0
1,1-Dichloroethene	µg/l	8.9	20.7	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	46.7	45.1	33.4
trans-1,2-Dichloroethene	µg/l	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	41.4
1,2-Dichloropropane	µg/l	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 5.0
1,3-Dichloropropene	µg/l	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0
Ethylbenzene	µg/l	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 5.0
Methylene Chloride	µg/l	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	2.2	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 10
1,1,2,2-Tetrachloroethane	µg/l	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 5.0
Tetrachloroethene	µg/l	38.4	1250	117	4.1	30.1	9.8	N.D. @ 1.0	N.D. @ 1.0	6.7	N.D. @ 1.0	64.5	38.6	45.4
Toluene	µg/l	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 5.0
1,1,1-Trichloroethane	µg/l	N.D. @ 1.0	262	19.9	1.6	1.8	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	36.1	35.5	10.8
1,1,2-Trichloroethane	µg/l	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 5.0
Trichloroethene	µg/l	185	485	20.3	50.1	193	50.9	3.2	6.6	321	N.D. @ 1.0	154	112	452
Vinyl chloride	µg/l	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	2.2	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	2.4	2.3	25.6
TOTAL VOCs	µg/l	237.0	2028.7	159.9	60.0	224.9	60.7	5.4	6.6	327.7	0	308.7	238.5	665.7
Metals														
Dissolved Chromium	mg/l	N.A.	N.A.	N.A.	N.D. @ 0.005	N.A.	N.A.	N.A.	N.A.	N.D. @ 0.005	N.D. @ 0.005	2.33	2.39	N.D. @ 0.005
Dissolved Lead	mg/l	N.A.	N.A.	N.A.	N.D. @ 0.005	N.A.	N.A.	N.A.	N.A.	N.D. @ 0.005	N.D. @ 0.005	N.D. @ 0.005	N.D. @ 0.005	N.D. @ 0.005
Dissolved Nickel	mg/l	N.A.	N.A.	N.A.	N.D. @ 0.02	N.A.	N.A.	N.A.	N.A.	N.D. @ 0.02	N.D. @ 0.02	N.D. @ 0.02	N.D. @ 0.02	N.D. @ 0.02
Dissolved Zinc	mg/l	N.A.	N.A.	N.A.	N.D. @ 0.02	N.A.	N.A.	N.A.	N.A.	N.D. @ 0.02	N.D. @ 0.02	N.D. @ 0.02	N.D. @ 0.02	N.D. @ 0.02
Hexavalent Chromium	mg/l	N.A.	N.A.	N.A.	N.D. @ 0.01	N.A.	N.A.	N.A.	N.A.	N.D. @ 0.01	N.D. @ 0.01	1.79	1.82	N.D. @ 0.01
Cyanide														
Cyanide, Total	mg/l	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Cyanide, Free	mg/l	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

µg/l - micrograms per liter

mg/l - milligrams per liter

N.D. @ 1.0 - not detected at indicated concentration

N.A. - not analyzed

Note - Laboratory analyses performed by Analytical Laboratory Services, Inc. (ALSI) of Middletown, PA

TABLE A-2

KEY WELL GROUNDWATER QUALITY SUMMARY (June 2, 2003 - June 9, 2003)

GROUNDWATER QUALITY ANALYSES

VOLATILE ORGANIC COMPOUND, METALS AND CYANIDE CONCENTRATIONS

Harley-Davidson Motor Company Operations, Inc.

SAMPLE ID		MW-51S	MW-54	MW-64D	MW-64S	MW-69	MW-74D	MW-74S	MW-74S DUP	MW-75D	MW-75S	MW-76	MW-81D
LAB ID		237022005	237022006	236925002	236925001	236625009	236924003	236625005	236625006	237022001	237022002	236549004	236924007
SAMPLE DATE		6/6/2003	6/6/2003	6/5/2003	6/5/2003	6/3/2003	6/5/2003	6/3/2003	6/3/2003	6/6/2003	6/6/2003	6/2/2003	6/5/2003
ANALYTE	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOCs													
Acrolein	µg/l	N.D. @ 10	N.D. @ 50	N.D. @ 10	N.D. @ 10	N.D. @ 10	N.D. @ 10	N.D. @ 10	N.D. @ 10	N.D. @ 10	N.D. @ 10	N.D. @ 10	N.D. @ 10
Acrylonitrile	µg/l	N.D. @ 4.0	N.D. @ 20	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0
Benzene	µg/l	N.D. @ 1.0	N.D. @ 5.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
Bromodichloromethane	µg/l	N.D. @ 1.0	N.D. @ 5.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
Bromoform	µg/l	N.D. @ 1.0	N.D. @ 5.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
Bromomethane	µg/l	N.D. @ 2.0	N.D. @ 10	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0
2-Butanone (MEK)	µg/l	N.D. @ 4.0	N.D. @ 20	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0
Carbon Tetrachloride	µg/l	1.8	N.D. @ 5.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
Chlorobenzene	µg/l	N.D. @ 1.0	N.D. @ 5.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
Chlorodibromomethane	µg/l	N.D. @ 1.0	N.D. @ 5.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
Chloroethane	µg/l	N.D. @ 1.0	N.D. @ 5.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
2-Chloroethylvinyl ether	µg/l	N.D. @ 1.0	N.D. @ 5.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
Chloroform	µg/l	2.5	N.D. @ 5.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	1.6	1.2	N.D. @ 1.0	1.8
Chloromethane	µg/l	N.D. @ 1.0	N.D. @ 5.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
1,1-Dichloroethane	µg/l	28.1	14.5	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	2.5	2.1	2.7	13.7	18.0	N.D. @ 1.0	7.0
1,2-Dichloroethane	µg/l	N.D. @ 1.0	N.D. @ 5.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
1,1-Dichloroethene	µg/l	197	74.2	N.D. @ 1.0	N.D. @ 1.0	2.5	6.1	2.0	2.9	50.0	70.1	N.D. @ 1.0	5.9
trans-1,2-Dichloroethene	µg/l	1.7	N.D. @ 5.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	8.0	1.1	N.D. @ 1.0	1.3
1,2-Dichloropropane	µg/l	N.D. @ 1.0	N.D. @ 5.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
1,3-Dichloropropene	µg/l	N.D. @ 2.0	N.D. @ 10	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0
Ethylbenzene	µg/l	N.D. @ 1.0	N.D. @ 5.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
Methylene Chloride	µg/l	N.D. @ 2.0	N.D. @ 10	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0
1,1,2,2-Tetrachloroethane	µg/l	N.D. @ 1.0	N.D. @ 5.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
Tetrachloroethene	µg/l	1070	77.4	513	48.7	1.1	27.9	17.0	16.8	5160	18000	15.3	53.2
Toluene	µg/l	N.D. @ 1.0	N.D. @ 5.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
1,1,1-Trichloroethane	µg/l	215	23.8	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	5.5	1.4	1.8	240	511	N.D. @ 1.0	N.D. @ 1.0
1,1,2-Trichloroethane	µg/l	N.D. @ 1.0	N.D. @ 5.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
Trichloroethene	µg/l	1920	428	1070	177	204	196	122	134	4780	4680	43.5	245
Vinyl chloride	µg/l	14.7	N.D. @ 10	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 1.0	N.D. @ 2.0
TOTAL VOCs	µg/l	3450.8	617.9	1583	225.7	207.6	238.0	144.5	158.2	10253.3	23281.4	58.8	314.2
Metals													
Dissolved Chromium	mg/l	0.338	N.A.	N.A.	N.A.	N.A.	N.D. @ 0.005	N.D. @ 0.005	N.A.	0.011	N.D. @ 0.005	N.D. @ 0.005	N.A.
Dissolved Lead	mg/l	N.D. @ 0.005	N.A.	N.A.	N.A.	N.A.	N.D. @ 0.005	N.D. @ 0.005	N.A.	N.D. @ 0.005	N.D. @ 0.005	N.D. @ 0.005	N.A.
Dissolved Nickel	mg/l	0.05	N.A.	N.A.	N.A.	N.A.	N.D. @ 0.02	N.D. @ 0.02	N.A.	N.D. @ 0.02	N.D. @ 0.02	N.D. @ 0.02	N.A.
Dissolved Zinc	mg/l	N.D. @ 0.02	N.A.	N.A.	N.A.	N.A.	N.D. @ 0.02	N.D. @ 0.02	N.A.	N.D. @ 0.02	N.D. @ 0.02	N.D. @ 0.02	N.A.
Hexavalent Chromium	mg/l	0.35	N.A.	N.A.	N.A.	N.A.	N.D. @ 0.01	N.D. @ 0.01	N.A.	N.D. @ 0.01	N.D. @ 0.01	N.D. @ 0.01	N.A.
Cyanide													
Cyanide, Total	mg/l	0.019	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Cyanide, Free	mg/l	0.005	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

µg/l - micrograms per liter

mg/l - milligrams per liter

N.D. @ 1.0 - not detected at indicated concentration

N.A. - not analyzed

Note - Laboratory analyses performed by Analytical Laboratory Services, Inc. (ALSI) of Middletown, PA

TABLE A-2

KEY WELL GROUNDWATER QUALITY SUMMARY (June 2, 2003 - June 9, 2003)

GROUNDWATER QUALITY ANALYSES

VOLATILE ORGANIC COMPOUND, METALS AND CYANIDE CONCENTRATIONS

Harley-Davidson Motor Company Operations, Inc.

SAMPLE ID		MW-81S	MW-82	MW-85	MW-87	MW-88	MW-91	MW-92	RW-2	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank
LAB ID		236924008	236799001	236625007	236925005	236625012	236799003	236799002	236625008	236548004	236625010	236798003	236925006	237022008
SAMPLE DATE		6/5/2003	6/4/2003	6/3/2003	6/5/2003	6/3/2003	6/4/2003	6/4/2003	6/3/2003	6/2/2003	6/3/2003	6/4/2003	6/5/2003	6/6/2003
ANALYTE	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOCs														
Acrolein	µg/l	N.D. @ 10	N.D. @ 10	N.D. @ 10	N.D. @ 10	N.D. @ 10	N.D. @ 10	N.D. @ 10	N.D. @ 10	N.D. @ 10	N.D. @ 10	N.D. @ 10	N.D. @ 10	N.D. @ 10
Acrylonitrile	µg/l	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0
Benzene	µg/l	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
Bromodichloromethane	µg/l	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
Bromoform	µg/l	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
Bromomethane	µg/l	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0
2-Butanone (MEK)	µg/l	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0	N.D. @ 4.0
Carbon Tetrachloride	µg/l	2.6	N.D. @ 1.0	N.D. @ 1.0	2.1	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
Chlorobenzene	µg/l	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
Chlorodibromomethane	µg/l	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
Chloroethane	µg/l	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
2-Chloroethylvinyl ether	µg/l	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
Chloroform	µg/l	2.5	N.D. @ 1.0	N.D. @ 1.0	1.1	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
Chloromethane	µg/l	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
1,1-Dichloroethane	µg/l	39.1	N.D. @ 1.0	N.D. @ 1.0	9.2	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
1,2-Dichloroethane	µg/l	1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
1,1-Dichloroethene	µg/l	50.2	N.D. @ 1.0	N.D. @ 1.0	47.9	3.9	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
trans-1,2-Dichloroethene	µg/l	9.8	N.D. @ 1.0	N.D. @ 1.0	8.3	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
1,2-Dichloropropane	µg/l	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
1,3-Dichloropropene	µg/l	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0
Ethylbenzene	µg/l	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
Methylene Chloride	µg/l	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0
1,1,2,2-Tetrachloroethane	µg/l	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
Tetrachloroethene	µg/l	113	2.1	N.D. @ 1.0	35.5	10.2	151	263	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
Toluene	µg/l	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
1,1,1-Trichloroethane	µg/l	1.3	N.D. @ 1.0	N.D. @ 1.0	63.0	5.6	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
1,1,2-Trichloroethane	µg/l	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
Trichloroethene	µg/l	1300	44.2	51.8	532	180	31.2	110	2.7	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0	N.D. @ 1.0
Vinyl chloride	µg/l	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0	N.D. @ 2.0
TOTAL VOCs	µg/l	1519.5	46.3	51.8	699.1	199.7	182.2	373	2.7	0	0	0	0	0
Metals														
Dissolved Chromium	mg/l	N.A.	N.A.	N.D. @ 0.005	N.D. @ 0.005	N.D. @ 0.005	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Dissolved Lead	mg/l	N.A.	N.A.	N.D. @ 0.005	N.D. @ 0.005	N.D. @ 0.005	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Dissolved Nickel	mg/l	N.A.	N.A.	N.D. @ 0.02	N.D. @ 0.02	N.D. @ 0.02	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Dissolved Zinc	mg/l	N.A.	N.A.	N.D. @ 0.02	N.D. @ 0.02	N.D. @ 0.02	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Hexavalent Chromium	mg/l	N.A.	N.A.	N.D. @ 0.01	N.D. @ 0.01	N.D. @ 0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Cyanide														
Cyanide, Total	mg/l	N.A.	N.A.	N.A.	N.A.	N.A.	0.076	0.019	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Cyanide, Free	mg/l	N.A.	N.A.	N.A.	N.A.	N.A.	0.008	0.006	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

µg/l - micrograms per liter

mg/l - milligrams per liter

N.D. @ 1.0 - not detected at indicated concentration

N.A. - not analyzed

Note - Laboratory analyses performed by Analytical Laboratory Services, Inc. (ALSI) of Middletown, PA

TABLE A-3
GROUNDWATER QUALITY ANALYSES
EXTRACTION WELL SAMPLES (January 1, 2003 - December 31, 2003)
VOLATILE ORGANIC COMPOUND CONCENTRATIONS
Harley-Davidson Motor Company Operations, Inc.

SAMPLE ID		CW-1	CW-1	CW-1A	CW-1A	CW-2	CW-2	CW-3	CW-3	CW-4	CW-4
LAB ID		237141001	252257007	237141002		237141003	252257008	237141004	252257009	237141005	252257010
SAMPLE DATE		6/9/2003	12/5/2003	6/9/2003	12/5/2003	6/9/2003	12/5/2003	6/9/2003	12/5/2003	6/9/2003	12/5/2003
ANALYTE	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Acrolein	µg/l	N.D.@10	N.D.@20	N.D.@10	N.A	N.D.@10	N.D.@20	N.D.@10	N.D.@20	N.D.@10	N.D.@20
Acrylonitrile	µg/l	N.D.@4.0	N.D.@5.0	N.D.@4.0	N.A.	N.D.@4.0	N.D.@5.0	N.D.@4.0	N.D.@5.0	N.D.@4.0	N.D.@5.0
Benzene	µg/l	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.A.	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0
Bromodichloromethane	µg/l	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.A.	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0
Bromoform	µg/l	N.D.@1.0	N.D.@2.0	N.D.@1.0	N.A.	N.D.@1.0	N.D.@2.0	N.D.@1.0	N.D.@2.0	N.D.@1.0	N.D.@2.0
Bromomethane	µg/l	N.D.@2.0	N.D.@1.0	N.D.@2.0	N.A.	N.D.@2.0	N.D.@1.0	N.D.@2.0	N.D.@1.0	N.D.@2.0	N.D.@1.0
2-Butanone (MEK)	µg/l	N.D.@4.0	N.D.@10.0	N.D.@4.0	N.A.	N.D.@4.0	N.D.@10.0	N.D.@4.0	N.D.@10.0	N.D.@4.0	N.D.@10.0
Carbon Tetrachloride	µg/l	N.D.@1.0	N.D.@2.0	N.D.@1.0	N.A.	N.D.@1.0	N.D.@2.0	N.D.@1.0	N.D.@2.0	N.D.@1.0	N.D.@2.0
Chlorobenzene	µg/l	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.A.	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0
Chlorodibromomethane	µg/l	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.A.	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0
Chloroethane	µg/l	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.A.	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0
2-Chloroethylvinyl ether	µg/l	N.D.@1.0	N.D.@2.0	N.D.@1.0	N.A.	N.D.@1.0	N.D.@2.0	N.D.@1.0	N.D.@2.0	N.D.@1.0	N.D.@2.0
Chloroform	µg/l	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.A.	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0
Chloromethane	µg/l	N.D.@1.0	N.D.@3.0	N.D.@1.0	N.A.	N.D.@1.0	N.D.@3.0	N.D.@1.0	N.D.@3.0	N.D.@1.0	N.D.@3.0
cis-1,2-Dichloroethene	µg/l	9.47	13.1	2.87	N.A.	32.6	28.3	45.3	43.3	43.9	54.8
1,1-Dichloroethane	µg/l	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.A.	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0
1,2-Dichloroethane	µg/l	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.A.	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0
1,1-Dichloroethene	µg/l	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.A.	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0
trans-1,2-Dichloroethene	µg/l	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.A.	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0
1,2-Dichloropropane	µg/l	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.A.	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0
1,3-Dichloropropene	µg/l	N.D.@2.0	N.D.@2.0	N.D.@2.0	N.A.	N.D.@2.0	N.D.@2.0	N.D.@2.0	N.D.@2.0	N.D.@2.0	N.D.@2.0
Ethylbenzene	µg/l	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.A.	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0
Methylene Chloride	µg/l	N.D.@2.0	N.D.@1.0	N.D.@2.0	N.A.	N.D.@2.0	N.D.@1.0	N.D.@2.0	N.D.@1.0	N.D.@2.0	N.D.@1.0
1,1,2,2-Tetrachloroethane	µg/l	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.A.	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0
Tetrachloroethene	µg/l	N.D.@1.0	N.D.@2.0	1.7	N.A.	1.2	N.D.@2.0	3.8	10.4	6.9	6.3
Toluene	µg/l	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.A.	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0
1,1,1-Trichloroethane	µg/l	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.A.	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0
1,1,2-Trichloroethane	µg/l	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.A.	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0
Trichloroethene	µg/l	112	133	171	N.A.	69.5	110	121	61.4	123	150
Vinyl chloride	µg/l	N.D.@2.0	N.D.@1.0	N.D.@2.0	N.A.	N.D.@2.0	N.D.@1.0	N.D.@2.0	N.D.@1.0	N.D.@2.0	N.D.@1.0
TOTAL VOCs	µg/l	121.5	146.1	175.6	0	103.3	138.3	170.1	115.1	173.8	211.1

µg/l - micrograms per liter
N.D.@1.0 - not detected at indicated concentration
N.A. - not analyzed

TABLE A-3
GROUNDWATER QUALITY ANALYSES
EXTRACTION WELL SAMPLES (January 1, 2003 - December 31, 2003)
VOLATILE ORGANIC COMPOUND CONCENTRATIONS
Harley-Davidson Motor Company Operations, Inc.

SAMPLE ID		CW-5	CW-5	CW-6	CW-6	CW-7	CW-7	CW-7A	CW-7A	CW-8	CW-8
LAB ID		237141006	252258001	237141007	252258002	237141008	252258003	237142001		237141009	252257006
SAMPLE DATE		6/9/2003	12/5/2003	6/9/2003	12/5/2003	6/9/2003	12/5/2003	6/9/2003	12/5/2003	6/9/2003	12/5/2003
ANALYTE	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Acrolein	µg/l	N.D.@10	N.D.@20	N.D.@10	N.D.@20	N.D.@10	N.D.@20	N.D.@10	N.A	N.D.@10	N.D.@20
Acrylonitrile	µg/l	N.D.@4.0	N.D.@5.0	N.D.@4.0	N.D.@5.0	N.D.@4.0	N.D.@5.0	N.D.@4.0	N.A.	N.D.@4.0	N.D.@5.0
Benzene	µg/l	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.A.	N.D.@1.0	N.D.@1.0
Bromodichloromethane	µg/l	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.A.	N.D.@1.0	N.D.@1.0
Bromoform	µg/l	N.D.@1.0	N.D.@2.0	N.D.@1.0	N.D.@2.0	N.D.@1.0	N.D.@2.0	N.D.@1.0	N.A.	N.D.@1.0	N.D.@2.0
Bromomethane	µg/l	N.D.@2.0	N.D.@1.0	N.D.@2.0	N.D.@1.0	N.D.@2.0	N.D.@1.0	N.D.@2.0	N.A.	N.D.@2.0	N.D.@1.0
2-Butanone (MEK)	µg/l	N.D.@4.0	N.D.@10.0	N.D.@4.0	N.D.@10.0	N.D.@4.0	N.D.@10.0	N.D.@4.0	N.A.	N.D.@4.0	N.D.@10.0
Carbon Tetrachloride	µg/l	N.D.@1.0	N.D.@2.0	N.D.@1.0	N.D.@2.0	N.D.@1.0	N.D.@2.0	N.D.@1.0	N.A.	N.D.@1.0	N.D.@2.0
Chlorobenzene	µg/l	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.A.	N.D.@1.0	N.D.@1.0
Chlorodibromomethane	µg/l	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.A.	N.D.@1.0	N.D.@1.0
Chloroethane	µg/l	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.A.	N.D.@1.0	N.D.@1.0
2-Chloroethylvinyl ether	µg/l	N.D.@1.0	N.D.@2.0	N.D.@1.0	N.D.@2.0	N.D.@1.0	N.D.@2.0	N.D.@1.0	N.A.	N.D.@1.0	N.D.@2.0
Chloroform	µg/l	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.A.	1.2	1.7
Chloromethane	µg/l	N.D.@1.0	N.D.@3.0	N.D.@1.0	N.D.@3.0	N.D.@1.0	N.D.@3.0	N.D.@1.0	N.A.	N.D.@1.0	N.D.@3.0
cis-1,2-Dichloroethene	µg/l	8.76	1.3	69.9	72.4	1.76	N.D.@1.0	13.8	N.A.	147	126
1,1-Dichloroethane	µg/l	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.A.	6.3	3.7
1,2-Dichloroethane	µg/l	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.A.	N.D.@1.0	N.D.@1.0
1,1-Dichloroethene	µg/l	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.A.	22.5	14.5
trans-1,2-Dichloroethene	µg/l	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.A.	1.9	1.3
1,2-Dichloropropane	µg/l	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.A.	N.D.@1.0	N.D.@1.0
1,3-Dichloropropene	µg/l	N.D.@2.0	N.D.@2.0	N.D.@2.0	N.D.@2.0	N.D.@2.0	N.D.@2.0	N.D.@2.0	N.A.	N.D.@2.0	N.D.@2.0
Ethylbenzene	µg/l	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.A.	N.D.@1.0	N.D.@1.0
Methylene Chloride	µg/l	N.D.@2.0	N.D.@1.0	N.D.@2.0	N.D.@1.0	N.D.@2.0	N.D.@1.0	N.D.@2.0	N.A.	N.D.@2.0	N.D.@1.0
1,1,2,2-Tetrachloroethane	µg/l	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.A.	N.D.@1.0	N.D.@1.0
Tetrachloroethene	µg/l	5.3	5.3	216	176	1.7	N.D.@2.0	20.0	N.A.	37.1	26.7
Toluene	µg/l	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.A.	N.D.@1.0	N.D.@1.0
1,1,1-Trichloroethane	µg/l	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.A.	45.0	29.0
1,1,2-Trichloroethane	µg/l	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.A.	1.2	N.D.@1.0
Trichloroethene	µg/l	60.3	6.5	81.6	85.2	84.4	85.6	553	N.A.	540	398
Vinyl chloride	µg/l	N.D.@2.0	N.D.@1.0	N.D.@2.0	N.D.@1.0	N.D.@2.0	N.D.@1.0	N.D.@2.0	N.A.	N.D.@2.0	N.D.@1.0
TOTAL VOCs	µg/l	74.4	13.1	367.5	333.6	87.9	85.6	586.8	0	802.2	600.9

µg/l - micrograms per liter
N.D.@1.0 - not detected at indicated concentration
N.A. - not analyzed

TABLE A-3
GROUNDWATER QUALITY ANALYSES
EXTRACTION WELL SAMPLES (January 1, 2003 - December 31, 2003)
VOLATILE ORGANIC COMPOUND CONCENTRATIONS
Harley-Davidson Motor Company Operations, Inc.

SAMPLE ID		CW-9	CW-9	CW-13	CW-13	CW-15A	CW-15A	CW-17	CW-17	TRIP BLANK
LAB ID		237141010	252257001	237141011	252257002			237141012	252257003	237140004
SAMPLE DATE		6/9/2003	12/5/2003	6/9/2003	12/5/2003	6/9/2003	12/5/2003	6/9/2003	12/5/2003	6/9/2003
ANALYTE	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result
Acrolein	µg/l	N.D.@10	N.D.@20	N.D.@10	N.D.@20	N.A	N.A	N.D.@10	N.D.@20	N.D.@10
Acrylonitrile	µg/l	N.D.@4.0	N.D.@5.0	N.D.@4.0	N.D.@5.0	N.A.	N.A.	N.D.@4.0	N.D.@5.0	N.D.@4.0
Benzene	µg/l	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.A.	N.A.	N.D.@1.0	N.D.@1.0	N.D.@1.0
Bromodichloromethane	µg/l	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.A.	N.A.	N.D.@1.0	N.D.@1.0	N.D.@1.0
Bromoform	µg/l	N.D.@1.0	N.D.@2.0	N.D.@1.0	N.D.@2.0	N.A.	N.A.	N.D.@1.0	N.D.@2.0	N.D.@1.0
Bromomethane	µg/l	N.D.@2.0	N.D.@1.0	N.D.@2.0	N.D.@1.0	N.A.	N.A.	N.D.@2.0	N.D.@1.0	N.D.@2.0
2-Butanone (MEK)	µg/l	N.D.@4.0	N.D.@10.0	N.D.@4.0	N.D.@10.0	N.A.	N.A.	N.D.@4.0	N.D.@10.0	N.D.@4.0
Carbon Tetrachloride	µg/l	N.D.@1.0	N.D.@2.0	N.D.@1.0	N.D.@2.0	N.A.	N.A.	N.D.@1.0	N.D.@2.0	N.D.@1.0
Chlorobenzene	µg/l	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.A.	N.A.	N.D.@1.0	N.D.@1.0	N.D.@1.0
Chlorodibromomethane	µg/l	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.A.	N.A.	N.D.@1.0	N.D.@1.0	N.D.@1.0
Chloroethane	µg/l	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.A.	N.A.	N.D.@1.0	N.D.@1.0	N.D.@1.0
2-Chloroethylvinyl ether	µg/l	N.D.@1.0	N.D.@2.0	N.D.@1.0	N.D.@2.0	N.A.	N.A.	N.D.@1.0	N.D.@2.0	N.D.@1.0
Chloroform	µg/l	2.1	2.2	N.D.@1.0	N.D.@1.0	N.A.	N.A.	N.D.@1.0	N.D.@1.0	N.D.@1.0
Chloromethane	µg/l	N.D.@1.0	N.D.@3.0	N.D.@1.0	N.D.@3.0	N.A.	N.A.	N.D.@1.0	N.D.@3.0	N.D.@1.0
cis-1,2-Dichloroethene	µg/l	150	152	494	782	N.A.	N.A.	186	184	N.A.
1,1-Dichloroethane	µg/l	8.7	7.7	6.5	7.2	N.A.	N.A.	10.6	13.6	N.D.@1.0
1,2-Dichloroethane	µg/l	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.A.	N.A.	N.D.@1.0	N.D.@1.0	N.D.@1.0
1,1-Dichloroethene	µg/l	21.9	15.8	19.3	23.6	N.A.	N.A.	36.9	49.9	N.D.@1.0
trans-1,2-Dichloroethene	µg/l	N.D.@1.0	N.D.@1.0	16.1	4.4	N.A.	N.A.	2.5	N.D.@1.0	N.D.@1.0
1,2-Dichloropropane	µg/l	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.A.	N.A.	N.D.@1.0	N.D.@1.0	N.D.@1.0
1,3-Dichloropropene	µg/l	N.D.@2.0	N.D.@2.0	N.D.@2.0	N.D.@2.0	N.A.	N.A.	N.D.@2.0	N.D.@2.0	N.D.@2.0
Ethylbenzene	µg/l	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.A.	N.A.	N.D.@1.0	N.D.@1.0	N.D.@1.0
Methylene Chloride	µg/l	N.D.@2.0	N.D.@1.0	N.D.@2.0	N.D.@1.0	N.A.	N.A.	N.D.@2.0	N.D.@1.0	N.D.@2.0
1,1,2,2-Tetrachloroethane	µg/l	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.A.	N.A.	N.D.@1.0	N.D.@1.0	N.D.@1.0
Tetrachloroethene	µg/l	1240	880	224	237	N.A.	N.A.	134	160	N.D.@1.0
Toluene	µg/l	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.A.	N.A.	N.D.@1.0	N.D.@1.0	N.D.@1.0
1,1,1-Trichloroethane	µg/l	98.1	94.0	40.3	47.6	N.A.	N.A.	73.3	109	N.D.@1.0
1,1,2-Trichloroethane	µg/l	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.D.@1.0	N.A.	N.A.	N.D.@1.0	N.D.@1.0	N.D.@1.0
Trichloroethene	µg/l	789	608	772	1010	N.A.	N.A.	456	592	N.D.@1.0
Vinyl chloride	µg/l	N.D.@2.0	N.D.@1.0	3.7	7.7	N.A.	N.A.	N.D.@2.0	N.D.@1.0	N.D.@2.0
TOTAL VOCs	µg/l	2309.8	1759.7	1575.9	2119.5	0	0	899.3	1108.5	0

µg/l - micrograms per liter
N.D.@1.0 - not detected at indicated concentration
N.A. - not analyzed

TABLE A-4
WATER QUALITY ANALYSES
PACKED TOWER AERATOR SAMPLES (January 1, 2003 - December 31, 2003)
SELECTED VOLATILE ORGANIC COMPOUND CONCENTRATIONS
Harley - Davidson Motor Company Operations, Inc.

Sample ID		PTA Effl.	PTA Effl.	PTA Effl.	PTA Effl.	PTA Effl.	PTA Effl.	PTA Effl.	PTA Effl.	PTA Effl.	PTA Effl.	PTA Effl.	PTA Effl.
Lab ID		225609001	227526001	231589001	232123001	234278001	237143001	239343001	242207001	244512001	246857001	250064001	252256001
Sample Date		1/13/2003	2/7/2003	3/31/2003	4/4/2003	5/5/2003	6/9/2003	7/7/2003	8/8/2003	9/5/2003	10/3/2003	11/10/2003	12/5/2003
Parameter	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
1,1-DICHLOROETHENE	µg/l	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1
TETRACHLOROETHENE	µg/l	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1
TRICHLOROETHENE	µg/l	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1
TOTAL VOCs	µg/l	0	0	0	0	0	0	0	0	0	0	0	0

Sample ID		PTA Infl.	PTA Infl.	PTA Infl.	PTA Infl.	Lift Station
Lab ID		229349001	237143002	244511001	252257004	252257005
Sample Date		3/5/2003	6/9/2003	9/5/2003	12/5/2003	12/5/2003
Parameter	Units	Result	Result	Result	Result	Result
1,1,1-TRICHLOROETHANE	µg/l	60.7	59.9	126	64	5.7
1,1-DICHLOROETHANE	µg/l	7.2	7.4	8.5	7.2	N.D.@1
1,1-DICHLOROETHENE	µg/l	1.3	8.7	33.8	22.8	1.6
1,2-DICHLOROETHANE	µg/l	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1
CHLOROBENZENE	µg/l	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1
CHLOROFORM	µg/l	1.3	N.D.@1	N.D.@1	N.D.@1	N.D.@1
METHYLENE CHLORIDE	µg/l	N.D.@2	N.D.@2	N.D.@2	N.D.@1	N.D.@1
TETRACHLOROETHENE	µg/l	374	288	377	308	26.3
TRICHLOROETHENE	µg/l	573	630	587	620	36.0
VINYL CHLORIDE	µg/l	N.D.@2	N.D.@2	N.D.@2	1.5	N.D.@1
CIS 1,2-DICHLOROETHENE	µg/l	127	226	251	236	3.6
TRANS 1,2-DICHLOROETHENE	µg/l	20.7	15.7	2.8	1.9	N.D.@1
TOTAL VOCs	µg/l	1165	1236	1386	1261	73.2

µg/l micrograms per liter
N.D.@1 not detected at indicated concentration
N.A. not analyzed

TABLE A-5
SRBC TESTING ANALYTICAL RESULTS - JUNE 2003
HARLEY-DAVIDSON MOTOR COMPANY OPERATIONS, INC.

SAIC PROJECT 01-1633-00-3705-800

Parameter	Units	Softail Lift Station
Alkalinity, Total	mg/L	180
Aluminum	mg/L	N.D.@0.1
Barium	mg/L	0.04
Calcium	mg/L	70.6
Cadmium	mg/L	N.D.@0.001
Chloride, Total	mg/L	11.6
Chromium	mg/L	N.D.@0.005
Hardness, Total	mg/L	237
Iron	mg/L	N.D.@0.06
Lead	mg/L	N.D.@0.005
Magnesium	mg/L	11.1
Manganese	mg/L	0.006
Nitrate-Nitrogen, Total	mg/L	3.24
pH	S.U.	8.1
Phosphorus (orthophosphate)	mg/L	N.D.@0.02
Residue (TDS)	mg/L	385
Sodium	mg/L	5.67
Specific Conductance	umhos/cm	460
Sulfate	mg/L	33.7
Total Organic Carbon	mg/L	1.7
Zinc	mg/L	0.09

mg/L - Milligrams per liter
umhos/cm - Micromhos per centimeter
TDS - Total Dissolved Solids
N.D.@0.02 - Not detected at laboratory reporting limit
SRBC - Susquehanna River Basin Commission

TABLE A-6
GROUNDWATER QUALITY ANALYSES
OFF-SITE SAMPLES (January 1, 2003 - December 31, 2003)
VOLATILE ORGANIC COMPOUND AND CYANIDE CONCENTRATIONS
Harley - Davidson Motor Company Operations, Inc.

SAMPLE ID		RW-4 (FOLK)				S-6 (TATE)				S-7 (HERMANN)				TRIP BLANK	TRIP BLANK	TRIP BLANK
SAMPLE DATE		3/5/2003	6/9/2003	9/5/2003	12/5/2003	3/5/2003	6/9/2003	9/5/2003	12/5/2003	3/5/2003	6/9/2003	9/5/2003	12/5/2003	3/5/2003	6/9/2003	9/5/2003
ANALYTE	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
1,1,1-Trichloroethane	µg/l	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1
1,1,2,2-Tetrachloroethane	µg/l	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1
1,1,2-Trichloroethane	µg/l	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1
1,1-Dichloroethane	µg/l	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1
1,1-Dichloroethene	µg/l	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1
1,2-Dichloroethane	µg/l	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1
1,2-Dichloropropane	µg/l	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1
2-Chloroethyl vinyl ether	µg/l	N.D.@1	N.A.	N.D.@1	N.D.@1	N.D.@1	N.A.	N.D.@1	N.D.@1	N.D.@1	N.A.	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1
Acrolein	µg/l	N.D.@10	N.A.	N.D.@10	N.D.@10	N.D.@10	N.A.	N.D.@10	N.D.@10	N.D.@10	N.A.	N.D.@10	N.D.@10	N.D.@10	N.D.@10	N.D.@10
Acrylonitrile	µg/l	N.D.@4	N.A.	N.D.@4	N.D.@4	N.D.@4	N.A.	N.D.@4	N.D.@4	N.D.@4	N.A.	N.D.@4	N.D.@4	N.D.@4	N.D.@4	N.D.@4
Benzene	µg/l	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1
Bromodichloromethane	µg/l	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1
Bromoform	µg/l	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1
Bromomethane	µg/l	N.D.@2	N.D.@2	N.D.@2	N.D.@2	N.D.@2	N.D.@2	2.2	N.D.@2	N.D.@2	N.D.@2	N.D.@2	N.D.@2	N.D.@2	N.D.@2	2.0
Carbon tetrachloride	µg/l	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1
Chlorobenzene	µg/l	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1
Chloroethane	µg/l	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1
Chloroform	µg/l	N.D.@1	N.D.@1	N.D.@1	N.D.@1	3.5	2.2	2.6	3.6	1.6	N.D.@1	1.3	1.8	N.D.@1	N.D.@1	N.D.@1
Chloromethane	µg/l	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1
cis-1,3-Dichloropropene	µg/l	N.D.@2	N.D.@2	N.D.@2	N.D.@2	N.D.@2	N.D.@2*	N.D.@2	N.D.@2	N.D.@2	N.D.@2*	N.D.@2	N.D.@2	N.D.@2	N.D.@2	N.D.@2
cis-1,2-Dichloroethene	µg/l	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1
Dibromochloromethane	µg/l	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1
Ethylbenzene	µg/l	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1
Methylene Chloride	µg/l	N.D.@2	N.D.@2	N.D.@2	N.D.@2	N.D.@2	N.D.@2	N.D.@2	N.D.@2	N.D.@2	N.D.@2	N.D.@2	N.D.@2	N.D.@2	N.D.@2	N.D.@2
Tetrachloroethene	µg/l	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1
Toluene	µg/l	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1
trans-1,2-Dichloroethene	µg/l	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1
Trichloroethene	µg/l	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1
Trichlorofluoromethane	µg/l	N.D.@1	N.A.	N.D.@1	N.D.@1	N.D.@1	N.A.	N.D.@1	N.D.@1	N.D.@1	N.A.	N.D.@1	N.D.@1	N.D.@1	N.D.@1	N.D.@1
Vinyl chloride	µg/l	N.D.@2	N.D.@2	N.D.@2	N.D.@2	N.D.@2	N.D.@2	N.D.@2	N.D.@2	N.D.@2	N.D.@2	N.D.@2	N.D.@2	N.D.@2	N.D.@2	N.D.@2
TOTAL VOCs	µg/l	0	0	0	0	3.5	2.2	4.8	3.6	1.6	0	1.3	1.8	0	0	2.0
Cyanide (Free)	mg/l	N.D.@0.005	N.D.@0.005	N.D.@0.005	N.D.@0.005	N.D.@0.005	N.D.@0.005	N.D.@0.005	N.D.@0.005	N.D.@0.005	N.D.@0.005	N.D.@0.005	N.D.@0.005	NA	NA	NA
Cyanide (Total)	mg/l	N.D.@0.005	0.007	N.D.@0.005	N.D.@0.005	N.D.@0.005	N.D.@0.005	N.D.@0.005	N.D.@0.005	N.D.@0.005	N.D.@0.005	N.D.@0.005	N.D.@0.005	NA	NA	NA

µg/l micrograms per liter
N.D.@1 not detected at indicated concentration
N.A. not analyzed

APPENDIX B

2003 Site Boss® Data Summary

Harley Davidson Motor Company

Groundwater Treatment Plant Operations

From: 1/1/2003
To: 12/31/2003

DATE	Tower Blower Cycles	Tower Blower Hours	Tower Pump Cycles	Tower Pump Hours	Discharge Flow	Acid Pump Cycles	Acid Pump Hours	KWH	pH	De-Water Flow	SVE Blower Cycles	SVE Blower Hours
1/1/2003	1	23.98	120	22.45	400900	0	0.00	2002	7.70	0	0	0
1/2/2003	1	23.98	61	23.2	418800	0	0.00	2023	7.70	18720	0	0
1/3/2003	1	23.98	1	23.98	420800	0	0.00	2037	7.70	15660	0	0
1/4/2003	1	23.98	31	23.63	431200	0	0.00	2052	7.70	10080	0	0
1/5/2003	1	23.97	51	23.4	425800	0	0.00	2067	7.70	0	0	0
1/6/2003	1	23.98	24	23.72	431400	0	0.00	2042	7.70	7370	0	0
1/7/2003	1	23.97	9	23.85	441200	0	0.00	2081	7.70	6210	0	0
1/8/2003	1	23.98	27	23.58	438800	0	0.00	2009	7.70	940	0	0
1/9/2003	7	23.1	173	19.63	231800	0	5.00	1553	7.80	0	0	0
1/10/2003	1	23.98	119	21.88	301600	0	0.00	1798	7.80	6480	0	0
1/11/2003	1	23.97	76	22.67	304300	0	0.00	1868	7.70	0	0	0
1/12/2003	1	23.97	109	22.17	312300	0	0.00	1855	7.80	5890	0	0
1/13/2003	1	23.98	1	23.98	355800	0	0.00	1877	7.70	0	0	0
1/14/2003	1	23.98	6	23.9	378000	0	0.00	1944	7.70	4580	0	0
1/15/2003	1	23.97	119	22.32	382300	0	0.00	1955	7.70	0	0	0
1/16/2003	1	23.98	28	23.6	373000	0	0.00	1948	7.70	0	0	0
1/17/2003	1	23.97	26	23.63	373800	0	0.00	1962	7.70	0	0	0
1/18/2003	1	23.98	66	23.07	374300	0	0.00	1959	7.70	0	0	0
1/19/2003	1	23.98	68	23.03	373100	0	0.00	1946	7.70	0	0	0
1/20/2003	1	23.98	52	23.25	373100	0	0.00	1930	7.70	0	0	0
1/21/2003	1	23.97	56	23.23	378300	0	0.00	1953	7.70	5620	0	0
1/22/2003	1	23.97	39	23.45	373700	0	0.00	1962	7.70	0	0	0
1/23/2003	1	23.97	2	23.95	371300	0	0.00	1954	7.70	0	0	0
1/24/2003	1	23.97	1	23.97	371400	0	0.00	1957	7.70	0	0	0
1/25/2003	1	23.98	1	23.98	370900	0	0.00	1942	7.70	0	0	0

DATE	Tower Blower		Tower Pump		Discharge	Acid Pump					SVE Blower	
	Cycles	Hours	Cycles	Hours	Flow	Cycles	Hours	KWH	pH	De-Water Flow	Cycles	Hours
1/26/2003	1	23.98	1	23.98	372100	0	0.00	1927	7.70	0	0	0
1/27/2003	1	23.98	7	23.9	375000	0	0.00	1979	7.70	0	0	0
1/28/2003	1	23.98	10	23.85	375500	0	0.00	1960	7.70	1040	0	0
1/29/2003	1	23.98	2	23.97	373100	0	0.00	1949	7.80	0	0	0
1/30/2003	1	23.98	1	23.98	373300	0	0.00	1930	7.80	0	0	0
1/31/2003	1	23.98	1	23.98	371000	0	0.00	1907	7.80	0	0	0
2/1/2003	1	23.98	1	23.98	369600	0	0.00	1916	7.80	0	0	0
2/2/2003	1	23.98	1	23.98	370300	0	0.00	1893	7.80	0	0	0
2/3/2003	1	23.95	1	23.95	370500	0	0.00	1848	7.80	0	0	0
2/4/2003	1	23.98	1	23.98	369400	0	0.00	1888	7.70	0	0	0
2/5/2003	1	23.98	23	23.7	376300	0	0.00	1934	7.70	5430	0	0
2/6/2003	1	23.98	40	23.43	373000	0	0.00	1935	7.80	0	0	0
2/7/2003	1	23.98	37	23.47	372000	0	0.00	1917	7.70	0	0	0
2/8/2003	1	23.98	35	23.5	372500	0	0.00	1959	7.80	0	0	0
2/9/2003	1	23.98	45	23.35	370000	0	0.00	1924	7.80	0	0	0
2/10/2003	1	23.98	44	23.37	368300	0	0.00	1937	7.70	0	0	0
2/11/2003	1	23.98	60	23.13	367400	0	0.00	1935	7.80	0	0	0
2/12/2003	1	23.97	79	22.85	367100	0	0.00	1917	7.80	0	0	0
2/13/2003	1	23.98	32	23.52	372700	0	0.00	1940	7.80	1660	0	0
2/14/2003	1	23.98	1	23.98	371200	0	0.00	1925	7.80	0	0	0
2/15/2003	1	23.97	1	23.97	370700	0	0.00	1952	7.70	0	0	0
2/16/2003	1	7	1	7	107050	0	0.00	634	0.00	0	0	0
2/17/2003	1	0.82	1	0.82	15150	0	0.00	81	7.70	0	0	0
2/18/2003	1	23.98	21	23.68	372800	0	0.00	1536	7.70	0	0	0
2/19/2003	1	23.97	36	23.48	372700	0	0.00	1531	7.70	0	0	0
2/20/2003	5	19.57	38	19	302500	0	0.00	1294	7.70	410	0	0
2/21/2003	1	23.98	25	23.63	371100	0	0.00	1521	7.70	0	0	0
2/22/2003	1	23.98	11	23.83	373100	0	0.00	1576	7.70	0	0	0
2/23/2003	1	23.98	107	22.53	382500	0	0.00	1555	7.80	9530	0	0

DATE	Tower Blower		Tower Pump		Discharge	Acid Pump		KWH	pH	De-Water	SVE Blower	
	Cycles	Hours	Cycles	Hours	Flow	Cycles	Hours			Flow	Cycles	Hours
2/24/2003	1	23.98	139	22.05	379700	0	0.00	1560	7.70	7230	0	0
2/25/2003	1	23.97	1	23.97	374100	0	0.00	1592	7.70	0	0	0
2/26/2003	1	23.98	94	22.7	380300	0	0.00	1610	7.70	6270	0	0
2/27/2003	1	23.98	207	21.1	373200	0	0.00	1609	7.70	0	0	0
2/28/2003	1	23.97	70	23.02	381200	0	0.00	1578	7.70	5960	0	0
3/1/2003	1	23.98	41	23.43	376700	0	0.00	1574	7.70	0	0	0
3/2/2003	1	23.98	37	23.48	375700	0	0.00	1472	7.70	0	0	0
3/3/2003	1	23.97	80	22.88	384800	0	0.00	1479	7.70	7900	0	0
3/4/2003	1	23.97	115	22.4	375900	0	0.00	1429	7.70	0	0	0
3/5/2003	1	23.98	122	22.28	383100	0	0.00	1368	7.70	8610	0	0
3/6/2003	1	23.97	151	21.87	374400	0	0.00	1441	7.70	0	0	0
3/7/2003	1	23.97	144	21.98	374900	0	0.00	1451	7.70	0	0	0
3/8/2003	1	23.98	147	21.95	374400	0	0.00	1364	7.70	0	0	0
3/9/2003	1	23.98	137	22.08	379600	0	0.00	1372	7.70	5170	0	0
3/10/2003	1	23.98	146	21.98	375200	0	0.00	1466	7.70	0	0	0
3/11/2003	1	23.98	53	23.27	450500	0	0.00	1548	7.70	6680	0	0
3/12/2003	1	23.97	1	23.97	492900	0	0.00	1552	7.70	0	0	0
3/13/2003	1	23.97	1	23.97	491000	0	0.00	1556	7.70	0	0	0
3/14/2003	1	23.98	4	23.93	490100	0	0.00	1590	7.60	6970	0	0
3/15/2003	1	23.97	1	23.97	489000	0	0.00	1511	7.70	0	0	0
3/16/2003	1	23.97	1	23.97	489000	0	0.00	1511	7.70	0	0	0
3/17/2003	1	23.98	1	23.98	488100	0	0.00	1462	7.70	0	0	0
3/18/2003	1	23.98	13	23.85	480700	0	0.00	1440	7.60	6800	0	0
3/19/2003	9	16.92	64	20.63	315600	0	0.00	1086	7.70	10	0	0
3/20/2003	1	23.97	1	23.97	461500	0	0.00	1499	7.70	0	0	0
3/21/2003	1	23.98	1	23.98	480900	0	0.00	1478	7.70	0	0	0
3/22/2003	1	23.98	40	23.47	472300	0	0.00	1428	7.70	10650	0	0
3/23/2003	1	23.98	1	23.98	481400	0	0.00	1483	7.70	0	0	0
3/24/2003	1	23.97	1	23.97	480800	0	0.00	1477	7.70	0	0	0

DATE	Tower Blower		Tower Pump		Discharge	Acid Pump					SVE Blower	
	Cycles	Hours	Cycles	Hours	Flow	Cycles	Hours	KWH	pH	De-Water Flow	Cycles	Hours
3/25/2003	1	23.98	1	23.98	481200	0	0.00	1465	7.70	0	0	0
3/26/2003	1	23.97	23	23.68	476400	0	0.00	1446	7.70	6410	0	0
3/27/2003	1	23.97	1	23.97	480800	0	0.00	1493	7.70	0	0	0
3/28/2003	1	23.97	1	23.97	481300	0	0.00	1475	7.70	0	0	0
3/29/2003	1	23.97	1	23.97	481300	0	0.00	1474	7.70	0	0	0
3/30/2003	1	23.98	1	23.98	479300	0	0.00	1584	7.70	0	0	0
3/31/2003	1	23.97	32	23.57	472400	0	0.00	1615	7.70	7770	0	0
4/1/2003	1	23.98	1	23.98	480000	0	0.00	1539	7.70	0	0	0
4/2/2003	1	23.97	1	23.97	479100	0	0.00	1500	7.70	0	0	0
4/3/2003	1	23.98	1	23.98	478100	0	0.00	1470	7.70	0	0	0
4/4/2003	1	23.98	35	23.52	470100	0	0.00	1454	7.70	6780	0	0
4/5/2003	1	23.98	1	23.98	477200	0	0.00	1493	7.70	0	0	0
4/6/2003	1	22.98	1	22.98	457400	0	0.00	1456	7.70	0	0	0
4/7/2003	1	23.98	1	23.98	477200	0	0.00	1585	7.70	0	0	0
4/8/2003	1	23.98	30	23.58	470500	0	0.00	1572	7.80	7300	0	0
4/9/2003	3	23.98	2	23.97	476300	0	0.00	1586	7.80	0	0	0
4/10/2003	1	23.98	1	23.98	476200	0	0.00	1543	7.80	0	0	0
4/11/2003	1	23.98	184	21.18	426000	0	0.00	1398	7.80	11710	0	0
4/12/2003	1	23.98	23	23.7	472200	0	0.00	1454	7.80	7510	0	0
4/13/2003	1	23.98	1	23.98	476800	0	0.00	1487	7.80	0	0	0
4/14/2003	1	23.98	28	23.63	470200	0	0.00	1463	7.80	6690	0	0
4/15/2003	1	23.97	1	23.97	475200	0	0.00	1458	7.80	0	0	0
4/16/2003	1	23.97	1	23.97	473400	0	0.00	1448	7.80	0	0	0
4/17/2003	1	23.98	30	23.6	466500	0	0.00	1451	7.80	6270	0	0
4/18/2003	1	23.98	3	23.97	472900	0	0.00	1587	7.80	0	0	0
4/19/2003	1	23.98	13	23.87	465100	0	0.00	1485	7.80	0	0	0
4/20/2003	1	23.98	22	23.77	464300	0	0.00	1470	7.80	0	0	0
4/21/2003	1	23.97	60	23.22	452100	0	0.00	1423	7.80	6170	0	0
4/22/2003	1	23.98	25	23.75	459800	0	0.00	1457	7.80	0	0	0

DATE	Tower Blower		Tower Pump		Discharge	Acid Pump		KWH	pH	De-Water	SVE Blower	
	Cycles	Hours	Cycles	Hours	Flow	Cycles	Hours			Flow	Cycles	Hours
4/23/2003	1	23.98	9	23.88	459400	0	0.00	1473	7.80	0	0	0
4/24/2003	1	23.97	9	23.9	457900	0	0.00	1471	7.80	0	0	0
4/25/2003	1	23.98	45	23.43	448600	0	0.00	1431	7.80	5820	0	0
4/26/2003	1	23.97	14	23.85	455100	0	0.00	1460	7.80	0	0	0
4/27/2003	1	23.97	16	23.8	454200	0	0.00	1459	7.80	0	0	0
4/28/2003	1	23.98	32	23.58	448200	0	0.00	1423	7.80	6030	0	0
4/29/2003	1	23.97	1	23.97	451900	0	0.00	1443	7.80	0	0	0
4/30/2003	1	23.97	1	23.97	450400	0	0.00	1478	7.80	0	0	0
5/1/2003	1	23.98	1	23.98	447900	0	0.00	1434	7.80	0	0	0
5/2/2003	1	23.98	33	23.5	437300	0	0.00	1401	7.80	5570	0	0
5/3/2003	1	23.97	1	23.97	444500	0	0.00	1453	7.80	0	0	0
5/4/2003	1	23.98	10	23.88	444200	0	0.00	1532	7.80	0	0	0
5/5/2003	1	23.98	13	23.85	443200	0	0.00	1469	7.80	0	0	0
5/6/2003	1	23.98	17	23.82	442300	0	0.00	1462	7.80	0	0	0
5/7/2003	1	23.98	44	23.43	436000	0	0.00	1434	7.80	3880	0	0
5/8/2003	1	23.98	19	23.8	441200	0	0.00	1437	7.80	0	0	0
5/9/2003	1	23.98	13	23.87	441800	0	0.00	1446	7.80	0	0	0
5/10/2003	1	23.98	17	23.82	441800	0	0.00	1441	7.80	0	0	0
5/11/2003	1	23.97	18	23.8	442300	0	0.00	1431	7.80	0	0	0
5/12/2003	1	23.97	22	23.77	441400	0	0.00	1439	7.80	0	0	0
5/13/2003	1	23.97	55	23.4	441100	0	0.00	1430	7.80	5750	0	0
5/14/2003	2	23.85	47	23.37	445200	0	0.00	1415	0.00	10820	0	0
5/15/2003	2	17.7	60	17	330400	0	0.00	1061	7.80	9890	0	0
5/16/2003	7	18.25	60	22.18	326400	0	6.50	1150	7.80	1480	0	0
5/17/2003	1	23.98	37	23.63	460000	0	0.00	1467	7.90	0	0	0
5/18/2003	1	23.98	11	23.88	460200	0	0.00	1469	7.90	0	0	0
5/19/2003	1	23.98	134	22.02	419700	0	0.00	1309	7.90	21040	0	0
5/20/2003	1	23.97	158	21.5	400800	0	0.00	1306	7.90	10160	0	0
5/21/2003	1	23.97	304	18.73	347800	0	0.00	1203	7.90	1070	0	0

DATE	Tower Blower Cycles	Tower Blower Hours	Tower Pump Cycles	Tower Pump Hours	Discharge Flow	Acid Pump Cycles	Acid Pump Hours	KWH	pH	De-Water Flow	SVE Blower Cycles	SVE Blower Hours
5/22/2003	5	23.17	169	19.72	371000	0	0.00	1227	7.90	2060	0	0
5/23/2003	2	22.87	44	21.67	404700	0	0.00	1283	7.90	830	0	0
5/24/2003	1	23.98	1	23.98	447900	0	0.00	1395	7.90	0	0	0
5/25/2003	1	23.98	12	23.87	442700	0	0.00	1395	7.90	0	0	0
5/26/2003	1	23.97	3	23.95	450500	0	0.00	1404	7.90	0	0	0
5/27/2003	1	23.98	71	23	440500	0	0.00	1339	7.90	20620	0	0
5/28/2003	2	22.75	54	21.95	421400	0	0.00	1283	7.90	9330	0	0
5/29/2003	1	23.97	41	23.45	448800	0	0.00	1348	7.90	15760	0	0
5/30/2003	1	23.97	24	23.63	460600	0	0.00	1386	7.90	5000	0	0
5/31/2003	1	23.98	1	23.98	470200	0	0.00	1422	7.90	0	0	0
6/1/2003	1	23.98	1	23.98	470500	0	0.00	1439	7.90	0	0	0
6/2/2003	1	23.97	72	23	454000	0	0.00	1440	7.90	14760	0	0
6/3/2003	1	23.98	127	21.95	431500	0	0.00	1342	7.90	6480	0	0
6/4/2003	1	23.98	28	23.62	459200	0	0.00	1401	7.90	9670	0	0
6/5/2003	1	23.98	79	22.92	451900	0	0.00	1358	7.90	22410	0	0
6/6/2003	1	23.98	96	22.63	444600	0	0.00	1347	7.90	18980	0	0
6/7/2003	1	23.97	1	23.97	462700	0	0.00	1427	7.90	0	0	0
6/8/2003	1	23.97	1	23.97	463600	0	0.00	1432	7.90	0	0	0
6/9/2003	1	23.98	90	22.65	437600	0	0.00	1367	7.90	14420	0	0
6/10/2003	1	23.98	1	22.93	445900	0	0.00	1367	7.90	9610	0	0
6/11/2003	1	23.97	1	23.97	470600	0	0.00	1425		0	0	0
6/12/2003	1	23.98	1	23.98	471000	0	0.00	1430	7.90	0	0	0
6/13/2003	1	23.97	30	23.58	466100	0	0.00	1406	7.80	6720	0	0
6/14/2003	1	23.98	1	23.98	473100	0	0.00	1432	7.90	0	0	0
6/15/2003	1	23.97	1	23.97	471300	0	0.00	1434	7.90	0	0	0
6/16/2003	1	23.98	1	23.98	470100	0	0.00	1441	7.90	0	0	0
6/17/2003	1	23.98	33	23.53	461400	0	0.00	1446	7.80	4510	0	0
6/18/2003	1	23.97	1	23.97	469500	0	0.00	1455	7.90	0	0	0
6/19/2003	1	23.98	1	23.98	468000	0	0.00	1447	7.90	0	0	0

DATE	Tower Blower		Tower Pump		Discharge	Acid Pump		KWH	pH	De-Water	SVE Blower	
	Cycles	Hours	Cycles	Hours	Flow	Cycles	Hours			Flow	Cycles	Hours
6/20/2003	1	23.98	1	23.98	467200	0	0.00	1428	7.90	0	0	0
6/21/2003	2	23.98	2	23.97	465200	0	0.00	1421	7.90	0	0	0
6/22/2003	1	23.97	1	23.97	464900	0	0.00	1419	7.90	0	0	0
6/23/2003	1	23.98	1	23.98	465000	0	0.00	1422	7.90	0	0	0
6/24/2003	1	23.97	1	23.97	469250	0	0.00	1411		0	0	0
6/25/2003	1	23.97	40	23.97	469250	0	0.00	1411	7.80	8530	0	0
6/26/2003	1	23.97	1	23.97	472100	0	0.00	1414	7.90	0	0	0
6/27/2003	1	23.98	31	23.55	464700	0	0.00	1371	7.90	7060	0	0
6/28/2003	1	23.97	1	23.97	465700	0	0.00	1388	7.90	0	0	0
6/29/2003	1	23.97	1	23.97	463500	0	0.00	1387	7.90	0	0	0
6/30/2003	2	23.07	9	22.97	444100	0	0.00	1326	7.90	2320	0	0
7/1/2003	1	23.98	14	23.85	458200	0	0.00	1374	7.90	0	0	0
7/2/2003	1	23.98	7	23.92	462300	0	0.00	1396	7.80	0	0	0
7/3/2003	1	23.97	33	23.52	459100	0	0.00	1390	7.80	6020	0	0
7/4/2003	1	23.97	33	23.97	466400	0	0.00	1411	7.90	0	0	0
7/5/2003	1	23.97	1	23.97	462900	0	0.00	1411	8.00	0	0	0
7/6/2003	1	23.98	1	23.98	462900	0	0.00	1485	8.00	0	0	0
7/7/2003	1	23.97	32	23.53	459600	0	0.00	1383	7.90	5810	0	0
7/8/2003	1	23.97	1	23.97	467000	0	0.00	1405	7.90	0	0	0
7/9/2003	1	23.97	73	22.9	449400	0	0.00	1358	7.90	10320	0	0
7/10/2003	1	23.97	1	23.97	465300	0	0.00	1422	7.90	0	0	0
7/11/2003	1	23.98	1	23.98	463400	0	0.00	1410	7.80	0	0	0
7/12/2003	1	23.98	1	23.98	465900	0	0.00	1413	7.70	0	0	0
7/13/2003	1	23.98	1	23.98	463400	0	0.00	1414	7.90	0	0	0
7/14/2003	1	23.98	39	23.4	452000	0	0.00	1385	7.80	3260	0	0
7/15/2003	1	23.97	1	23.97	454500	0	0.00	1407	8.00	0	0	0
7/16/2003	1	23.97	4	23.93	450700	0	0.00	1404	7.90	0	0	0
7/17/2003	1	23.97	19	23.78	446900	0	0.00	1408	7.90	0	0	0
7/18/2003	1	23.97	10	23.88	447000	0	0.00	1404	7.90	1730	0	0

DATE	Tower Blower		Tower Pump		Discharge	Acid Pump		KWH	pH	De-Water	SVE Blower	
	Cycles	Hours	Cycles	Hours	Flow	Cycles	Hours			Flow	Cycles	Hours
7/19/2003	1	23.97	1	23.97	442300	0	0.00	1404	7.90	0	0	0
7/20/2003	1	23.97	1	23.97	438200	0	0.00	1407	7.90	0	0	0
7/21/2003	1	23.98	59	23.18	420800	0	0.00	1363	8.00	0	0	0
7/22/2003	6	18.65	200	19.08	260500	0	0.00	987	8.00	0	0	0
7/23/2003	1	23.98	192	21.33	358900	0	0.00	1221	8.00	0	0	0
7/24/2003	1	23.98	97	22.65	360200	0	0.00	1346	8.00	0	0	0
7/25/2003	1	23.98	1	23.98	426900	0	0.00	1631	7.90	0	0	0
7/26/2003	1	23.97	1	23.97	466600	0	0.00	1699	7.90	0	0	0
7/27/2003	1	23.97	1	23.97	459200	0	0.00	1687	7.90	0	0	0
7/28/2003	1	23.97	2	23.95	457800	0	0.00	1673	7.90	0	0	0
7/29/2003	1	23.98	4	23.95	463300	0	0.00	1695	7.90	0	0	0
7/30/2003	1	23.98	3	23.97	460900	0	0.00	1697	7.90	0	0	0
7/31/2003	1	23.98	1	23.98	464100	0	0.00	1691	7.90	0	0	0
8/1/2003	1	23.98	8	23.82	458400	0	0.00	1685	7.90	0	0	0
8/2/2003	1	23.97	10	23.88	458300	0	0.00	1693	7.90	0	0	0
8/3/2003	1	23.98	20	23.78	452500	0	0.00	1695	7.90	0	0	0
8/4/2003	1	23.98	30	23.7	454000	0	0.00	1681	7.80	60	0	0
8/5/2003	1	23.98	28	23.72	446500	0	0.00	1697	7.80	0	0	0
8/6/2003	1	23.98	11	23.88	458000	0	0.00	1751	7.80	0	0	0
8/7/2003	1	23.98	10	23.88	457200	0	0.00	1709	7.90	0	0	0
8/8/2003	1	23.97	14	23.85	456800	0	0.00	1697	7.90	0	0	0
8/9/2003	1	23.95	19	23.78	456200	0	0.00	1701	8.00	0	0	0
8/10/2003	1	23.98	21	23.78	455700	0	0.00	1692	7.90	0	0	0
8/11/2003	1	23.98	20	23.78	453500	0	0.00	1520	6.90	0	0	0
8/12/2003	1	23.98	195	20.78	408800	0	0.00	1320	7.90	8200	0	0
8/13/2003	1	23.98	114	22.35	429500	0	0.00	1354	7.70	11180	0	0
8/14/2003	1	23.98	55	23.35	448000	0	0.00	1576	6.20	2700	0	0
8/15/2003	1	23.97	109	22.6	428800	0	0.00	1637	8.00	0	0	0
8/16/2003	2	23.95	297	19.85	367200	0	0.00	1600	8.00	0	1	14.08

DATE	Tower Blower		Tower Pump		Discharge	Acid Pump		KWH	pH	De-Water Flow	SVE Blower	
	Cycles	Hours	Cycles	Hours	Flow	Cycles	Hours				Cycles	Hours
8/17/2003	1	23.98	146	21.97	374100	0	0.00	1673	0.00	0	1	23.98
8/18/2003	1	23.98	146	21.97	374100	0	0.00	1673	7.90	0	1	23.98
8/19/2003	1	23.98	80	22.92	379500	0	0.00	1761	7.90	4250	1	23.98
8/20/2003	1	23.98	219	17.55	236500	0	0.00	1498	8.10	0	1	23.98
8/21/2003	1	23.95	233	17.03	222700	0	0.00	1411	8.00	0	1	23.95
8/22/2003	1	23.98	65	23.12	366000	0	0.00	1675	8.00	0	1	23.98
8/23/2003	1	23.98	40	23.45	370200	0	0.00	1691	8.00	0	1	23.98
8/24/2003	1	23.97	42	23.43	370700	0	0.00	1704	8.00	0	1	23.97
8/25/2003	1	23.98	279	15.48	219000	0	0.00	1386	8.20	0	1	23.98
8/26/2003	1	23.98	388	11.97	149800	0	0.00	1246	8.10	3800	1	23.98
8/27/2003	1	23.97	161	18.92	330600	0	0.00	1604	8.00	0	1	23.97
8/28/2003	1	23.98	1	23.98	463500	0	0.00	1861	8.00	0	1	23.98
8/29/2003	1	23.98	16	23.77	458400	0	0.00	1830	8.00	3250	1	23.98
8/30/2003	1	23.98	6	23.93	459800	0	0.00	1845	7.90	0	1	23.98
8/31/2003	1	23.98	13	23.87	461700	0	0.00	1859	8.00	0	1	23.98
9/1/2003	1	23.97	19	23.8	462000	0	0.00	1846	7.90	0	1	23.97
9/2/2003	1	23.98	11	23.88	461100	0	0.00	1837	8.00	0	1	23.98
9/3/2003	1	23.98	28	23.65	457900	0	0.00	1838	7.90	6570	1	23.98
9/4/2003	1	23.98	11	23.88	460000	0	0.00	1837	7.70	0	1	23.98
9/5/2003	3	23.85	36	23.4	454200	0	0.00	1828	7.90	6840	2	23.83
9/6/2003	1	23.98	15	23.83	460700	0	0.00	1859	7.90	0	1	23.98
9/7/2003	1	23.98	16	23.83	458500	0	0.00	1855	7.90	0	1	23.98
9/8/2003	1	23.97	17	23.8	457100	0	0.00	1850	7.90	0	1	23.97
9/9/2003	1	23.98	34	23.58	452000	0	0.00	1836	7.90	3670	1	23.98
9/10/2003	1	23.97	25	23.73	456200	0	0.00	1852	7.90	0	1	23.97
9/11/2003	1	23.97	27	23.72	455800	0	0.00	1847	8.00	0	1	23.97
9/12/2003	1	23.98	30	23.7	456200	0	0.00	1861	7.90	0	1	23.98
9/13/2003	1	23.98	30	23.68	458700	0	0.00	1856	7.90	0	1	23.98
9/14/2003	1	23.97	32	23.67	455900	0	0.00	1850	7.90	0	1	23.97

DATE	Tower Blower		Tower Pump		Discharge	Acid Pump					SVE Blower	
	Cycles	Hours	Cycles	Hours	Flow	Cycles	Hours	KWH	pH	De-Water Flow	Cycles	Hours
9/15/2003	1	23.98	119	22.18	426900	0	0.00	1762	7.90	9590	1	23.98
9/16/2003	1	13.77	1	13.72	260900	0	0.00	1274	7.90	0	1	23.97
9/17/2003	7	10.07	29	9.72	184600	0	0.00	1043	7.90	0	1	23.98
9/18/2003	14	21.33	46	12.18	209800	0	0.00	1297	3.80	520	3	23.1
9/19/2003	3	17.62	61	16.77	316500	0	0.00	1216	8.00	3790	1	0
9/20/2003	4	16.63	6	16.6	318700	0	0.00	1216	7.90	0	0	0
9/21/2003	4	0.32	3	0.32	6300	0	0.00	154	8.00	0	0	0
9/22/2003	3	14.52	26	14.18	275000	0	0.00	1128	7.90	7660	1	9.8
9/23/2003	1	23.98	50	23.28	449200	0	0.00	1860	7.90	12690	1	23.98
9/24/2003	1	23.98	30	23.57	455800	0	0.00	1844	7.90	6010	1	23.98
9/25/2003	1	23.98	1	23.98	457700	0	0.00	1847	7.90	0	1	23.98
9/26/2003	2	23	19	22.77	435900	0	0.00	1778	7.90	6690	2	23.92
9/27/2003	1	23.97	1	23.97	457500	0	0.00	1850	7.90	0	1	23.97
9/28/2003	1	23.98	2	23.97	462500	0	0.00	1857	7.90	0	1	23.98
9/29/2003	1	23.97	28	23.63	458900	0	0.00	1847	7.90	5920	1	23.97
9/30/2003	1	23.97	13	23.87	452200	0	0.00	1875	7.90	0	1	23.97
10/1/2003	1	23.98	16	23.83	452700	0	0.00	1881	7.90	0	1	23.98
10/2/2003	1	23.98	19	23.8	455500	0	0.00	1884	7.90	0	1	23.98
10/3/2003	1	23.97	52	23.33	450200	0	0.00	1899	7.90	6250	1	23.97
10/4/2003	1	23.97	30	23.68	456000	0	0.00	1890	7.90	0	1	23.97
10/5/2003	1	23.97	33	23.67	455800	0	0.00	1904	7.90	0	1	23.97
10/6/2003	1	23.97	50	23.42	452500	0	0.00	1889	7.90	5440	1	23.97
10/7/2003	1	23.97	34	23.65	454400	0	0.00	1904	7.90	0	1	23.97
10/8/2003	2	23.92	33	23.62	452200	0	0.00	1812	7.90	0	1	12.02
10/9/2003	2	23.9	33	23.6	452700	0	0.00	1757	7.90	0	1	9.7
10/10/2003	1	23.98	41	23.58	452400	0	0.00	1868	8.00	0	1	23.98
10/11/2003	1	23.98	44	23.55	450900	0	0.00	1862	8.00	0	1	23.98
10/12/2003	1	23.97	45	23.53	450500	0	0.00	1860	8.00	0	1	23.97
10/13/2003	1	23.97	75	23.07	443900	0	0.00	1935	8.00	5820	1	23.97

DATE	Tower Blower Cycles	Tower Blower Hours	Tower Pump Cycles	Tower Pump Hours	Discharge Flow	Acid Pump Cycles	Acid Pump Hours	KWH	pH	De-Water Flow	SVE Blower Cycles	SVE Blower Hours
10/14/2003	1	23.98	48	23.5	450700	0	0.00	1922	8.00	0	1	23.98
10/15/2003	1	23.97	46	23.52	451400	0	0.00	1853	8.00	0	1	23.97
10/16/2003	1	23.97	71	23.17	441000	0	0.00	1843	8.00	5910	1	23.97
10/17/2003	1	23.97	52	23.47	443300	0	0.00	1871	8.00	0	1	23.97
10/18/2003	1	23.97	52	23.47	442500	0	0.00	1876	8.00	0	1	23.97
10/19/2003	1	23.98	53	23.45	445600	0	0.00	1869	8.00	0	1	23.98
10/20/2003	1	23.97	72	23.15	441500	0	0.00	1891	8.00	5060	1	23.97
10/21/2003	1	23.98	54	23.43	446200	0	0.00	1867	8.00	0	1	23.98
10/22/2003	1	23.98	56	23.42	447500	0	0.00	1879	8.00	0	1	23.98
10/23/2003	3	23.9	56	23.37	448000	0	0.00	1874	8.00	0	2	23.48
10/24/2003	1	23.98	77	23.12	445100	0	0.00	1930	8.00	4060	1	23.72
10/25/2003	2	21.05	48	20.52	393700	0	0.00	1529	8.00	0	0	0
10/26/2003	1	1.98	5	1.95	37300	0	0.00	146	8.00	0	0	0
10/27/2003	1	23.98	67	23.2	442800	0	0.00	1692	8.00	2780	0	0
10/28/2003	3	22.83	72	21.98	421100	0	0.00	1716	8.00	6140	1	8.93
10/29/2003	1	23.97	52	23.47	445500	0	0.00	1869	8.00	0	1	23.97
10/30/2003	1	23.98	51	23.48	448300	0	0.00	1894	8.00	0	1	23.98
10/31/2003	2	23.88	70	23.15	457500	0	0.00	1861	8.00	6010	2	20.12
11/1/2003	1	23.98	89	23.07	465900	0	0.00	1859	8.00	0	1	23.98
11/2/2003	1	23.98	91	23.05	466400	0	0.00	1852	8.00	0	1	23.98
11/3/2003	1	23.98	90	23.03	455100	0	0.00	1844	0.00	0	1	23.98
11/4/2003	1	23.98	92	23.03	462500	0	0.00	1844	8.00	0	1	23.98
11/5/2003	1	23.98	73	23.23	455700	0	0.00	1888	8.00	0	1	23.98
11/6/2003	1	23.95	54	23.43	449800	0	0.00	1880	8.00	0	1	23.95
11/7/2003	1	23.98	65	23.27	446200	0	0.00	1881	8.00	3410	1	23.98
11/8/2003	1	23.97	55	23.45	455800	0	0.00	1953	7.90	0	1	23.97
11/9/2003	1	23.98	56	23.45	460500	0	0.00	2008	8.00	0	1	23.98
11/10/2003	1	23.98	57	23.43	459900	0	0.00	1984	8.00	0	1	23.98
11/11/2003	1	23.98	57	23.42	459500	0	0.00	1932	8.00	0	1	23.98

DATE	Tower Blower		Tower Pump		Discharge	Acid Pump		KWH	pH	De-Water Flow	SVE Blower	
	Cycles	Hours	Cycles	Hours	Flow	Cycles	Hours				Cycles	Hours
11/12/2003	3	23.63	54	23.12	451100	0	0.00	1856	8.00	0	2	23.23
11/13/2003	1	23.98	56	23.42	457500	0	0.00	1930	8.00	0	1	23.98
11/14/2003	2	23.13	73	22.3	436600	0	0.00	1880	8.00	4840	1	23.2
11/15/2003	1	23.98	56	23.43	456100	0	0.00	1928	8.00	0	1	23.98
11/16/2003	1	23.98	58	23.4	455600	0	0.00	1912	8.00	0	1	23.98
11/17/2003	1	23.98	64	23.3	455400	0	0.00	1891	8.00	5220	1	23.98
11/18/2003	1	23.97	60	23.38	455700	0	0.00	1905	8.00	0	1	23.97
11/19/2003	1	23.97	57	23.42	455200	0	0.00	1876	8.00	0	1	23.97
11/20/2003	1	23.98	62	23.32	455800	0	0.00	1939	8.00	5560	1	23.98
11/21/2003	2	23.53	65	22.83	446300	0	0.00	1872	8.00	5640	2	23.55
11/22/2003	1	23.97	57	23.42	455100	0	0.00	1883	7.90	0	1	23.97
11/23/2003	1	23.98	57	23.42	453800	0	0.00	1884	8.00	0	1	23.98
11/24/2003	1	23.98	58	23.4	452500	0	0.00	1891	7.90	0	1	23.98
11/25/2003	1	23.97	67	23.28	453900	0	0.00	1973	8.00	5270	1	23.97
11/26/2003	1	23.98	74	23.15	451100	0	0.00	1922	8.00	4170	1	23.98
11/27/2003	1	23.97	61	23.37	454600	0	0.00	1915	7.90	0	1	23.97
11/28/2003	1	23.97	60	23.37	455100	0	0.00	1865	7.90	0	1	23.97
11/29/2003	1	23.98	58	23.4	458200	0	0.00	1965	8.00	0	1	23.98
11/30/2003	1	23.97	60	23.37	457100	0	0.00	1944	8.00	0	1	23.97
12/1/2003	1	23.97	60	23.38	456600	0	0.00	1920	7.90	0	1	23.97
12/2/2003	1	23.97	53	23.45	457500	0	0.00	2012	7.90	2930	1	23.97
12/3/2003	1	23.98	74	21.95	345300	0	0.00	1821	8.00	0	1	23.98
12/4/2003	1	23.97	71	23.28	454300	0	0.00	2077	8.00	0	1	23.97
12/5/2003	4	23.6	76	22.92	448000	0	0.00	2074	8.00	0	1	21.38
12/6/2003	1	23.97	68	23.3	457800	0	0.00	1689	8.00	0	0	0
12/7/2003	1	23.98	70	23.28	457800	0	0.00	1663	8.00	0	0	0
12/8/2003	1	20	2	20	379500	0	0.00	1798	0.00	0	1	9.63
12/9/2003	4	22.88	120	20.85	379500	0	0.00	1798	8.00	30	1	9.63
12/10/2003	2	23.55	2	23.55	441300	0	0.00	1862	8.00	0	1	16.82

DATE	Tower Blower		Tower Pump		Discharge	Acid Pump					SVE Blower	
	Cycles	Hours	Cycles	Hours	Flow	Cycles	Hours	KWH	pH	De-Water Flow	Cycles	Hours
12/11/2003	1	23.98	1	23.98	445400	0	0.00	1531	8.00	7840	0	0
12/12/2003	1	23.97	1	23.97	451200	0	0.00	1540	8.00	0	0	0
12/13/2003	1	23.97	1	23.97	452500	0	0.00	1573	0.00	0	0	0
12/14/2003	1	23.97	1	23.97	452500	0	0.00	1573	8.00	0	0	0
12/15/2003	1	23.98	1	23.98	452200	0	0.00	1552	8.00	0	0	0
12/16/2003	1	23.97	2	23.93	451600	0	0.00	1530	8.00	0	0	0
12/17/2003	1	23.98	1	23.98	449400	0	0.00	1532	8.00	9400	0	0
12/18/2003	1	23.98	1	23.98	453400	0	0.00	1565	8.00	6680	0	0
12/19/2003	1	23.98	1	23.98	452400	0	0.00	1579	8.00	0	0	0
12/20/2003	1	23.98	1	23.98	452500	0	0.00	1584	8.00	0	0	0
12/21/2003	1	23.98	1	23.98	452700	0	0.00	1595	8.00	0	0	0
12/22/2003	1	23.98	1	23.98	451000	0	0.00	1493	8.00	0	0	0
12/23/2003	1	23.97	1	23.97	450800	0	0.00	1472	8.00	90	0	0
12/24/2003	1	23.98	1	23.98	451100	0	0.00	1552	8.00	0	0	0
12/25/2003	1	23.97	1	23.97	451700	0	0.00	1674	8.00	0	0	0
12/26/2003	1	23.95	1	23.95	451600	0	0.00	1656	8.00	0	0	0
12/27/2003	1	23.98	1	23.98	451300	0	0.00	1542	8.00	0	0	0
12/28/2003	1	23.98	1	23.98	451100	0	0.00	1542	8.00	0	0	0
12/29/2003	1	23.98	1	23.98	450100	0	0.00	1538	8.00	0	0	0
12/30/2003	1	23.97	1	23.97	449000	0	0.00	1502	8.00	0	0	0
12/31/2003	1	23.98	1	23.98	448400	0	0.00	1651	8.00	5900	0	0
Sum	458	8567.63	15002	8356.59	155104600	0	11.50	591315		744040	118	2501.91
Max	14	23.98	388	23.98	492900	0	6.50	2081	8.20	22410	458	23.98
Average	1	23.47	41	22.89	424944	0	0.03	1620	7.72	2038	0	6.85

Harley Davidson Motor Company

Northeast Area Well Flow Data

Gallons Pumped

From: 1/1/2003

To: 12/31/2003

DATE	CW-1	CW-1A	CW-2	CW-3	CW-4	CW-5	CW-6	CW-7	CW-7A
1/1/2003	4274	0	170	1597	1951	5072	7865	358	0
1/2/2003	4208	0	92	1591	1921	7055	7760	365	0
1/3/2003	3955	0	102	1532	1899	8291	7481	375	0
1/4/2003	4063	0	92	1545	1944	8565	7672	380	0
1/5/2003	4100	0	96	1567	1954	8426	7799	379	0
1/6/2003	4099	0	82	1572	1944	7892	7833	383	0
1/7/2003	4283	0	78	1562	1937	7285	7824	381	0
1/8/2003	4382	0	134	1563	1936	4845	7786	380	0
1/9/2003	3032	0	208	680	1370	316	5548	309	0
1/10/2003	3873	0	144	1088	1950	531	7812	396	0
1/11/2003	3864	0	66	1593	1940	0	7770	383	0
1/12/2003	3844	0	118	1559	1898	0	7624	383	0
1/13/2003	3840	0	270	1445	1760	474	7085	385	0
1/14/2003	4002	0	197	1573	1902	407	7625	384	0
1/15/2003	3996	0	81	1574	1901	0	7566	378	0
1/16/2003	4000	0	240	1563	1873	387	7476	381	0
1/17/2003	4600	0	283	1570	1855	1351	7394	377	0
1/18/2003	5056	0	136	1577	1871	423	7333	374	0
1/19/2003	5007	0	79	1575	1884	0	7288	371	0
1/20/2003	4989	0	151	1577	1874	526	7274	372	0
1/21/2003	4738	0	177	1573	1847	1323	7252	369	0
1/22/2003	4650	0	253	1567	1833	1924	7232	364	0
1/23/2003	4642	0	81	1566	1870	0	7202	372	0
1/24/2003	4631	0	87	1555	1866	0	7188	366	0
1/25/2003	4637	0	84	1542	1869	0	7176	363	0
1/26/2003	4629	0	72	1548	1869	0	7172	365	0
1/27/2003	4627	0	193	1551	1834	1585	7162	355	0
1/28/2003	4622	0	174	1556	1847	1912	7141	358	3

DATE	CW-1	CW-1A	CW-2	CW-3	CW-4	CW-5	CW-6	CW-7	CW-7A
1/29/2003	4605	0	67	1555	1850	1773	7124	359	0
1/30/2003	4593	0	103	1552	1856	1839	7101	353	0
1/31/2003	4589	0	85	1551	1865	324	7079	357	0
2/1/2003	4566	0	74	1536	1846	0	7047	360	0
2/2/2003	4571	0	64	1539	1850	0	7057	353	0
2/3/2003	4561	0	46	1543	1841	0	7043	349	0
2/4/2003	4560	0	55	1548	1844	0	7043	348	0
2/5/2003	4556	0	85	1549	1826	1091	7040	347	425
2/6/2003	4554	0	156	1553	1803	1975	7039	337	801
2/7/2003	4477	0	74	1538	1791	1862	6962	360	755
2/8/2003	4442	0	86	1494	1753	1767	6953	370	713
2/9/2003	4404	0	2	0	1767	1726	6971	363	683
2/10/2003	4383	0	2	0	1785	1724	6962	363	650
2/11/2003	4366	0	2	0	1826	566	6938	360	618
2/12/2003	4355	0	2	0	1853	0	6930	360	621
2/13/2003	4364	0	4	843	1817	1223	6933	356	574
2/14/2003	4364	0	6	1606	1769	1731	6927	354	524
2/15/2003	4333	0	7	1596	1771	1652	6909	352	503
2/16/2003	1147	0	47	462	462	555	1984	144	172
2/17/2003	164	0	0	66	66	0	283	0	0
2/18/2003	2760	0	47	1610	1258	1844	7126	375	622
2/19/2003	4224	0	47	1374	1862	1715	7025	366	552
2/20/2003	2121	0	53	669	1537	1519	5837	340	361
2/21/2003	2660	0	53	811	1821	1816	6902	365	130
2/22/2003	4251	0	53	1300	1806	2112	6883	368	22
2/23/2003	4245	0	53	1298	1809	2490	6869	376	4
2/24/2003	4241	0	53	1291	1791	2472	6850	376	0
2/25/2003	4248	0	53	1278	1789	2354	6839	375	0
2/26/2003	4256	0	53	1264	1801	2194	6834	375	0
2/27/2003	4256	0	53	1263	1810	2090	6826	374	0
2/28/2003	4254	0	53	2711	3002	2014	6806	371	8
3/1/2003	4265	0	53	4263	3867	1955	6775	372	0
3/2/2003	4258	0	53	4279	3718	2048	6752	372	12

DATE	CW-1	CW-1A	CW-2	CW-3	CW-4	CW-5	CW-6	CW-7	CW-7A
3/3/2003	4208	0	53	4465	2691	1871	8175	371	0
3/4/2003	4240	0	53	4646	1842	1633	9154	374	0
3/5/2003	4119	0	1	4717	970	1614	8717	377	478
3/6/2003	3915	0	1	4826	0	1595	8504	378	994
3/7/2003	3888	0	1	4947	0	1613	8427	382	1093
3/8/2003	3893	0	1	4966	0	1616	8507	388	1164
3/9/2003	3892	0	1	4962	0	1618	8568	384	1232
3/10/2003	3897	0	1	4974	0	1620	8618	390	1312
3/11/2003	3860	0	1	4968	2390	1606	8432	388	1305
3/12/2003	3883	0	1	4933	3781	1610	8262	381	1352
3/13/2003	3883	0	1	4883	3776	1607	8150	383	1346
3/14/2003	3889	0	1	4792	3686	1608	8078	379	1342
3/15/2003	3895	0	1	4787	3585	1611	8155	380	1398
3/16/2003	3895	0	1	4787	3585	1611	8155	380	1398
3/17/2003	3893	0	1	4820	3570	1609	8141	379	1425
3/18/2003	4412	0	1	4792	2961	1631	8006	378	1434
3/19/2003	2303	0	17	3454	1617	1102	5248	305	917
3/20/2003	3325	0	17	5092	2677	1566	7538	401	1427
3/21/2003	5154	0	0	5062	2792	1678	8039	403	1564
3/22/2003	5076	0	0	5034	2816	1679	8015	398	1682
3/23/2003	5027	0	0	5008	2812	1679	7992	395	1662
3/24/2003	4986	0	0	4995	2802	1675	7961	390	1630
3/25/2003	4974	0	0	4988	2801	1672	7937	385	1595
3/26/2003	4960	0	1	4977	3198	1670	7906	381	1575
3/27/2003	4925	0	1	4926	3711	1670	7895	377	1526
3/28/2003	4896	0	1	4893	3697	1671	7863	374	1496
3/29/2003	4882	0	3	4900	3674	1673	7841	374	1478
3/30/2003	4855	0	6	4884	3672	1673	7804	375	1461
3/31/2003	4859	0	2	4872	3659	1673	7760	372	1455
4/1/2003	4891	0	3	4865	3650	1674	7733	376	1448
4/2/2003	0	0	3	0	0	0	0	0	0
4/3/2003	4896	0	4	4845	3634	1672	7673	374	1428
4/4/2003	4817	0	1	4625	3407	1668	7615	375	1424

DATE	CW-1	CW-1A	CW-2	CW-3	CW-4	CW-5	CW-6	CW-7	CW-7A
4/5/2003	4763	0	1	4501	3235	1677	7607	374	1404
4/6/2003	4457	0	1	4311	3084	1607	7265	353	1289
4/7/2003	4665	0	1	4491	3231	1673	7556	366	1306
4/8/2003	4666	0	2	4484	3217	1672	7536	363	1287
4/9/2003	4669	0	1	4474	3211	1674	7513	364	1282
4/10/2003	4604	0	2	4469	3210	1678	7485	369	1295
4/11/2003	4639	0	2	4456	3206	1679	7466	372	1324
4/12/2003	4656	0	1	4439	3206	1683	7443	376	1374
4/13/2003	4634	0	1	4440	3202	1684	7418	375	1363
4/14/2003	4633	0	2	4428	3199	1680	7395	369	1357
4/15/2003	4642	0	2	4414	3180	1678	7372	370	1367
4/16/2003	4644	0	3	4398	3158	1677	7342	371	1369
4/17/2003	4234	0	22	4429	2805	1677	7308	368	1328
4/18/2003	3939	0	29	4459	2524	1680	7287	362	1296
4/19/2003	3937	0	25	4446	2506	1678	7256	363	1279
4/20/2003	3938	0	33	4429	2494	1677	7223	365	1270
4/21/2003	3933	0	24	4408	2477	1672	7185	360	1269
4/22/2003	3933	0	22	4384	2465	1671	7162	363	1259
4/23/2003	3858	0	43	4369	2553	1662	7098	363	1229
4/24/2003	3844	0	33	4410	2641	1672	7132	362	1206
4/25/2003	3828	0	32	4380	2655	1672	7124	354	1189
4/26/2003	3805	0	22	4373	2589	1676	7109	355	1177
4/27/2003	3800	0	24	4338	2486	1673	7074	353	1149
4/28/2003	3811	0	35	4331	2434	1669	7060	354	1127
4/29/2003	3843	0	34	4299	2430	1668	7041	353	1105
4/30/2003	3844	0	42	4288	2415	1668	7014	346	1079
5/1/2003	3845	0	21	4262	2406	1671	6998	344	1058
5/2/2003	4095	0	25	4425	2538	1661	6934	345	1031
5/3/2003	4477	0	27	4736	2729	1667	6939	346	978
5/4/2003	4428	0	34	4702	2400	1665	6930	343	952
5/5/2003	4424	0	43	4703	2328	1662	6909	338	927
5/6/2003	4415	0	45	4698	2364	1663	6896	338	908
5/7/2003	4371	0	50	4697	2172	1660	6870	337	882

DATE	CW-1	CW-1A	CW-2	CW-3	CW-4	CW-5	CW-6	CW-7	CW-7A
5/8/2003	4353	0	32	4691	2159	1666	6837	334	855
5/9/2003	4337	0	34	4692	2151	1668	6801	329	840
5/10/2003	4322	0	42	4698	2154	1667	6771	328	823
5/11/2003	4321	0	32	4712	2153	1669	6737	330	815
5/12/2003	4343	0	35	4695	2148	1665	6692	326	802
5/13/2003	4107	0	31	4655	2960	1657	6660	327	771
5/14/2003	3872	0	24	4571	2146	1637	6561	328	742
5/15/2003	2773	0	26	3519	0	1209	4867	285	565
5/16/2003	1282	0	32	3349	0	1130	4529	272	527
5/17/2003	2528	0	32	4872	0	1679	6662	362	759
5/18/2003	3848	0	32	4799	0	1668	6633	362	738
5/19/2003	1470	0	358	2393	0	633	2525	137	289
5/20/2003	2837	0	34	2943	0	1664	2285	231	1
5/21/2003	2979	0	34	5035	0	1859	0	362	47
5/22/2003	2777	0	34	5011	0	1750	0	361	1
5/23/2003	1522	0	31	4786	0	1642	0	359	1
5/24/2003	3090	0	31	5047	0	1756	0	363	0
5/25/2003	4448	0	31	5055	0	1766	0	355	0
5/26/2003	4436	0	31	5063	0	1788	0	354	0
5/27/2003	4463	0	31	5060	0	1794	0	358	0
5/28/2003	3658	0	13	4842	0	1736	0	355	0
5/29/2003	4322	0	13	4965	0	1800	0	353	4
5/30/2003	3678	0	13	5155	2958	1789	3531	354	2
5/31/2003	3366	0	13	5034	4193	1805	5021	354	0
6/1/2003	3298	0	13	4884	3938	1804	4970	351	0
6/2/2003	3262	0	13	4788	3781	1804	4946	350	0
6/3/2003	3203	0	13	4733	3716	1803	4877	350	0
6/4/2003	3128	0	13	4721	3668	1808	4816	349	1
6/5/2003	3063	0	13	4744	3632	1812	4780	358	0
6/6/2003	3049	0	13	4726	3619	1811	4768	360	0
6/7/2003	3046	0	13	4729	3621	1817	4788	363	0
6/8/2003	3034	0	13	4750	3632	1827	4883	372	0
6/9/2003	2103	0	29	4784	3650	1819	4951	374	861

DATE	CW-1	CW-1A	CW-2	CW-3	CW-4	CW-5	CW-6	CW-7	CW-7A
6/10/2003	2069	0	29	4786	3695	1817	4963	378	1682
6/11/2003	3879	0	29	4787	3690	1816	4883	375	1628
6/12/2003	3858	0	29	4787	3672	1820	4880	371	1581
6/13/2003	3852	0	29	4778	3667	1818	4877	361	1539
6/14/2003	3878	0	29	4773	3645	1819	4895	361	1506
6/15/2003	3885	0	29	4756	3613	1819	4888	357	1481
6/16/2003	3876	0	29	4737	3577	1814	4883	361	1450
6/17/2003	4341	0	29	4752	3531	1814	4885	361	1419
6/18/2003	4711	0	29	4807	3491	1813	4883	363	1412
6/19/2003	4692	0	29	4738	3456	1815	4887	357	1403
6/20/2003	2528	0	29	4639	3404	1817	4881	356	748
6/21/2003	135	0	29	4535	3584	1824	4889	374	2
6/22/2003	0	0	29	4456	3726	1833	4889	378	0
6/23/2003	0	0	29	4386	3786	1828	4879	381	0
6/24/2003	4247	0	1	4433	3818	1829	4864	393	0
6/25/2003	4247	0	1	4433	3818	1829	4864	393	0
6/26/2003	5069	0	1	4407	3777	1826	4854	383	0
6/27/2003	4851	0	17	2835	3729	836	4551	380	0
6/28/2003	4729	0	17	2100	3729	0	4374	381	0
6/29/2003	4721	0	17	2084	3739	0	4357	373	0
6/30/2003	4637	0	3	2017	3668	0	4155	384	0
7/1/2003	858	0	3	2045	3890	0	4302	392	0
7/2/2003	2466	0	27	1964	3936	1405	5350	394	137
7/3/2003	4023	0	26	1872	3898	2188	6177	391	0
7/4/2003	4009	0	26	1878	3855	2033	6147	389	0
7/5/2003	3986	0	26	1869	3802	1955	6131	381	0
7/6/2003	3972	0	27	1864	3734	1898	5984	373	0
7/7/2003	4576	81	33	3633	3754	1777	5687	373	1
7/8/2003	4845	113	33	4917	3612	1694	5464	370	0
7/9/2003	4766	77	33	4959	3423	1662	5440	363	0
7/10/2003	4765	75	33	4972	3294	1669	5430	353	0
7/11/2003	4710	105	33	4978	3200	1647	5431	346	0
7/12/2003	4648	173	33	4890	3121	1620	5424	345	0

DATE	CW-1	CW-1A	CW-2	CW-3	CW-4	CW-5	CW-6	CW-7	CW-7A
7/13/2003	4634	181	33	4865	3004	1600	5418	346	0
7/14/2003	4570	187	33	4872	2723	1621	5407	347	0
7/15/2003	4455	169	0	4869	2529	1630	5400	341	0
7/16/2003	4452	178	10	4879	2308	1661	5398	347	0
7/17/2003	4437	165	19	4875	2126	1671	5357	337	0
7/18/2003	4430	184	15	4887	2021	1669	5359	331	6
7/19/2003	4465	182	22	4892	1450	1656	5359	334	0
7/20/2003	4467	179	21	4912	1396	1634	5358	330	0
7/21/2003	4455	168	25	4937	1393	1615	5356	329	0
7/22/2003	1544	100	17	3596	482	1176	3821	274	0
7/23/2003	0	21	17	5141	0	1630	5364	363	0
7/24/2003	0	163	17	5111	0	1644	5325	367	0
7/25/2003	3579	187	2	5074	1674	1569	5178	360	1
7/26/2003	4843	171	2	5081	3176	1545	5205	352	0
7/27/2003	1599	180	2	4967	3087	1513	5207	346	0
7/28/2003	0	193	2	4948	2914	1497	5193	341	0
7/29/2003	2697	173	2	4899	3251	1480	5190	329	0
7/30/2003	2577	151	1	4843	3573	1452	5187	327	0
7/31/2003	3926	140	5	4807	3595	1440	5187	320	0
8/1/2003	3909	139	7	4790	3505	1444	5182	320	0
8/2/2003	3894	136	3	4779	3520	1440	5182	314	0
8/3/2003	3890	130	6	8632	3498	1415	5182	315	0
8/4/2003	3897	137	8	14600	3475	1396	5194	314	0
8/5/2003	3894	128	5	7585	3448	1394	5182	316	0
8/6/2003	3898	132	4	4949	3435	1550	5178	312	0
8/7/2003	3897	137	4	4800	3429	1520	5176	312	0
8/8/2003	3892	58	4	4565	2943	1418	5172	314	0
8/9/2003	3892	0	5	4434	2529	1377	5186	310	0
8/10/2003	3890	1	2	4445	2451	1382	5187	312	0
8/11/2003	3874	0	7	4439	2852	1472	5187	310	0
8/12/2003	3790	0	7	4417	3122	1534	5187	311	0
8/13/2003	2895	0	6	4413	3154	1484	5156	318	0
8/14/2003	2886	1	1	4409	3092	1466	5134	321	0

DATE	CW-1	CW-1A	CW-2	CW-3	CW-4	CW-5	CW-6	CW-7	CW-7A
8/15/2003	2884	0	1	4426	3032	1468	5137	323	0
8/16/2003	2883	0	1	12112	3000	1567	5145	323	0
8/17/2003	2884	0	0	11489	3000	1956	5194	337	0
8/18/2003	2884	0	1	11489	2972	1956	5194	337	0
8/19/2003	2880	0	24	13895	3366	1973	5205	341	0
8/20/2003	2877	0	24	5062	3587	1871	5200	341	0
8/21/2003	2873	0	24	4882	3437	1749	5179	342	0
8/22/2003	2874	0	24	4814	3409	1694	5176	344	0
8/23/2003	2874	0	24	4759	3394	1655	5173	341	0
8/24/2003	2871	0	24	4717	3376	1620	5167	343	0
8/25/2003	2867	0	24	4712	3362	1615	5157	342	0
8/26/2003	2867	0	24	4693	3346	1599	5150	339	0
8/27/2003	2866	0	24	4688	3333	1570	5148	341	0
8/28/2003	2866	0	24	4656	3325	1546	5144	340	0
8/29/2003	2865	0	17	4647	3314	1535	5141	343	0
8/30/2003	2864	0	17	4638	3313	1517	5141	342	0
8/31/2003	2865	0	17	4619	3297	1513	5139	339	0
9/1/2003	2862	0	17	4633	3293	1520	5138	340	0
9/2/2003	2858	0	17	4646	3294	1642	5134	339	0
9/3/2003	2856	0	17	4657	3296	1633	5132	340	0
9/4/2003	2855	0	17	4672	3304	1747	5133	339	0
9/5/2003	2846	0	17	4669	3311	1775	5118	342	0
9/6/2003	2857	0	17	4682	3323	1719	5148	345	0
9/7/2003	2858	0	17	4690	3366	1668	5156	346	0
9/8/2003	2853	0	17	4684	3363	1630	5145	346	0
9/9/2003	2857	1	17	4691	2788	1577	5143	344	0
9/10/2003	2857	0	17	4753	2110	1550	5140	344	0
9/11/2003	2854	0	23	4839	2233	1535	5137	343	0
9/12/2003	2852	0	63	4783	1967	1511	5135	342	0
9/13/2003	2853	0	72	4737	1963	1516	5135	342	0
9/14/2003	2852	1	18	4677	1953	1477	5132	338	0
9/15/2003	2844	0	59	4604	2048	1460	5110	337	0
9/16/2003	1651	0	39	2627	1298	824	2934	193	0

DATE	CW-1	CW-1A	CW-2	CW-3	CW-4	CW-5	CW-6	CW-7	CW-7A
9/17/2003	1155	0	41	1876	1041	0	2118	173	0
9/18/2003	1317	0	1	2077	1135	0	2343	163	0
9/19/2003	1996	0	43	3291	1891	1021	3686	291	0
9/20/2003	2012	0	43	3200	1940	1298	3645	260	0
9/21/2003	0	0	36	63	50	25	74	38	0
9/22/2003	1617	0	112	2799	1808	1134	3244	252	0
9/23/2003	2562	0	92	5004	3545	2627	5272	380	0
9/24/2003	2057	0	82	5259	3942	3148	5209	386	0
9/25/2003	2062	0	103	5170	3807	2768	5168	388	0
9/26/2003	2012	0	108	4901	3491	2309	4955	381	0
9/27/2003	2095	0	61	5031	3609	2229	5139	390	0
9/28/2003	2096	0	67	4967	3511	2076	5117	393	0
9/29/2003	2092	0	74	4865	3478	1899	5087	388	0
9/30/2003	2088	0	72	4758	3453	1789	5056	383	0
10/1/2003	2092	0	75	4670	3412	1736	5035	387	0
10/2/2003	2094	0	76	4594	3375	1697	5011	385	0
10/3/2003	2094	0	77	3709	3249	1669	4996	386	0
10/4/2003	2094	0	80	2621	3000	1688	4997	386	0
10/5/2003	2092	0	83	2563	2910	1669	4987	385	0
10/6/2003	2086	0	86	2533	3180	1638	4972	384	0
10/7/2003	2082	0	83	2496	3528	1616	4951	381	0
10/8/2003	2038	0	83	2447	3378	1606	4937	379	0
10/9/2003	1998	0	85	2430	3247	1591	4931	378	0
10/10/2003	1988	0	88	2420	3109	1566	4911	381	0
10/11/2003	1993	0	88	2365	3066	1555	4890	382	0
10/12/2003	2005	0	87	2317	3016	1549	4871	381	0
10/13/2003	2007	0	88	2266	2915	1540	4848	378	0
10/14/2003	2005	0	90	2198	2864	1563	4822	378	0
10/15/2003	1998	0	97	2143	2802	1663	4794	378	0
10/16/2003	1988	0	95	2135	2732	1606	4760	378	0
10/17/2003	1969	0	96	2140	2562	1584	4734	375	0
10/18/2003	1994	0	102	2149	2375	1609	4726	374	0
10/19/2003	1996	0	110	2142	2170	1608	4705	374	0

DATE	CW-1	CW-1A	CW-2	CW-3	CW-4	CW-5	CW-6	CW-7	CW-7A
10/20/2003	1998	0	111	2122	2397	1557	4666	372	0
10/21/2003	1998	0	116	2113	2344	1585	4628	374	0
10/22/2003	2003	0	118	2100	2294	1612	4585	374	0
10/23/2003	2004	0	114	2095	2254	1547	4535	374	0
10/24/2003	2004	0	114	2103	2153	1467	4452	371	0
10/25/2003	1785	0	64	1879	1881	1299	3886	344	0
10/26/2003	170	0	64	179	180	121	370	31	0
10/27/2003	2030	0	108	2113	2147	1571	4389	367	0
10/28/2003	1949	0	133	2013	2044	1633	4166	358	0
10/29/2003	2033	0	182	2117	2136	1800	4355	359	0
10/30/2003	2038	0	190	2103	2136	1842	4349	370	0
10/31/2003	2026	0	168	2099	2133	1836	4327	372	0
11/1/2003	2039	0	106	2116	2144	1838	4361	374	0
11/2/2003	2042	0	95	2098	2138	1803	4359	376	0
11/3/2003	2040	0	122	2076	2127	1746	4353	369	0
11/4/2003	2040	0	122	2076	2127	1746	4353	369	0
11/5/2003	2041	0	123	2064	2129	1742	4353	371	0
11/6/2003	2039	0	121	2052	2124	1748	4348	369	0
11/7/2003	2166	0	117	2017	2120	1769	4401	370	0
11/8/2003	2223	0	118	2025	2109	1772	4451	368	0
11/9/2003	2227	0	120	2023	2106	1753	4436	369	0
11/10/2003	2225	0	102	2024	2043	1733	4421	360	0
11/11/2003	2227	0	60	2003	2032	1738	4410	364	0
11/12/2003	2209	0	60	1976	2035	1782	4338	359	0
11/13/2003	2222	0	60	1994	2048	1836	4379	364	0
11/14/2003	2166	0	92	1917	1963	1780	4200	363	0
11/15/2003	2231	0	12	1986	2013	1830	4366	371	0
11/16/2003	2232	0	125	1979	2016	1795	4357	370	0
11/17/2003	2229	0	115	1974	2014	1778	4348	370	0
11/18/2003	2226	0	13	1954	2017	1760	4345	373	0
11/19/2003	2227	0	13	1944	2040	1838	4336	373	0
11/20/2003	2227	0	13	1933	2033	2025	4337	374	0
11/21/2003	2198	0	7	1909	2012	1995	4261	366	0

DATE	CW-1	CW-1A	CW-2	CW-3	CW-4	CW-5	CW-6	CW-7	CW-7A
11/22/2003	2227	0	7	1931	2042	2028	4330	374	0
11/23/2003	2229	0	7	1923	2043	2026	4334	374	0
11/24/2003	2231	0	7	1911	2042	2022	4333	374	0
11/25/2003	2233	0	7	1903	2044	2008	4326	372	0
11/26/2003	2232	0	7	1893	2044	1976	4321	370	0
11/27/2003	2234	0	7	1884	2044	1947	4318	372	0
11/28/2003	2237	0	7	1879	2047	1969	4316	374	0
11/29/2003	2238	0	7	1872	2057	2037	4314	379	0
11/30/2003	2233	0	7	1857	2055	2037	4310	382	0
12/1/2003	2237	0	7	1852	2059	2038	4313	381	0
12/2/2003	2229	0	7	1898	2063	2025	4271	381	0
12/3/2003	1689	0	36	1458	1573	1516	3232	319	0
12/4/2003	2246	0	11	1971	2078	2012	4339	395	0
12/5/2003	2221	0	24	1932	2037	1957	4267	393	0
12/6/2003	2242	0	48	1956	2062	1969	4313	391	0
12/7/2003	2241	0	114	1945	2037	1936	4300	391	0
12/8/2003	1911	0	112	412	1528	1612	3091	167	0
12/9/2003	1911	0	112	412	1528	1612	3091	167	0
12/10/2003	2221	0	193	1394	2054	1886	4210	0	0
12/11/2003	2252	0	145	1971	2070	2034	4263	0	0
12/12/2003	2252	0	165	1962	2067	2045	4253	0	0
12/13/2003	2255	0	189	1938	2051	2042	4256	0	0
12/14/2003	2255	0	189	1938	2051	2042	4256	0	0
12/15/2003	2254	0	186	1936	2056	2044	4258	0	0
12/16/2003	2256	0	185	1931	2057	2048	4256	0	0
12/17/2003	2257	0	192	1917	2052	2055	4260	0	0
12/18/2003	2259	0	108	1906	2070	2042	4158	1	0
12/19/2003	2261	0	108	1903	2092	2039	4133	0	0
12/20/2003	2264	0	108	1906	2098	2041	4137	0	0
12/21/2003	2265	0	108	1900	2103	2041	4131	0	0
12/22/2003	2261	0	108	1892	2102	2041	4132	0	0
12/23/2003	2263	0	108	1887	2100	2039	4132	0	0
12/24/2003	2267	0	108	1878	2100	2039	4125	0	0

DATE	CW-1	CW-1A	CW-2	CW-3	CW-4	CW-5	CW-6	CW-7	CW-7A
12/25/2003	2267	0	108	1890	2100	2039	4122	0	0
12/26/2003	2264	0	108	1895	2097	2037	4115	0	0
12/27/2003	2266	0	108	1893	2097	2037	4115	0	0
12/28/2003	2265	0	108	1890	2093	2035	4109	0	0
12/29/2003	2264	0	108	1870	2092	2035	4113	0	0
12/30/2003	2262	0	108	1871	2099	2033	4106	0	0
12/31/2003	2262	0	202	1870	2105	2032	4102	0	0
Sum	1190383	4697	18833	1267383	890527	620441	2007731	120693	114949
Average	3261	13	52	3472	2440	1700	5501	331	315

Harley Davidson Motor Company

TCA and West Parking Lot Area Well Flow Data

Gallons Pumped

From: 1/1/2003

To: 12/31/2003

DATE	CW-8	CW-16	CW-9	CW-12	CW-13	CW-17	CW-15A
1/1/2003	125100	0	53182	0	86563	111909	0
1/2/2003	124100	0	52926	0	85788	110754	0
1/3/2003	121400	0	63512	0	83478	107347	0
1/4/2003	124100	0	72951	0	85875	110380	0
1/5/2003	125900	0	73791	0	87047	111849	0
1/6/2003	125100	0	73654	0	86998	111671	0
1/7/2003	126500	0	88859	0	81671	111640	0
1/8/2003	124900	0	98085	0	78624	111630	0
1/9/2003	87500	0	52481	0	0	78803	0
1/10/2003	125000	0	40624	0	0	112206	0
1/11/2003	126800	0	49247	0	0	111502	0
1/12/2003	124800	0	53507	0	0	110772	0
1/13/2003	117500	0	112011	0	0	103472	0
1/14/2003	125800	0	115813	0	0	112935	0
1/15/2003	125800	0	114976	0	10361	112720	0
1/16/2003	126200	0	115218	0	0	112774	0
1/17/2003	125700	0	115094	0	0	112730	0
1/18/2003	127800	0	114885	0	0	112776	0
1/19/2003	126200	0	115221	0	0	112737	0
1/20/2003	125200	0	115849	0	0	112686	0
1/21/2003	125400	0	114938	0	0	112633	0
1/22/2003	126900	0	114337	0	0	112554	0
1/23/2003	127200	0	113896	0	0	112304	0

DATE	CW-8	CW-16	CW-9	CW-12	CW-13	CW-17	CW-15A
1/24/2003	126000	0	114885	0	0	112272	0
1/25/2003	125000	0	115025	0	0	112313	0
1/26/2003	124600	0	116873	0	0	112255	0
1/27/2003	126000	0	116677	0	0	112229	0
1/28/2003	125100	0	116646	0	0	111983	0
1/29/2003	123800	0	116781	0	0	111903	0
1/30/2003	123900	0	117118	0	0	111995	0
1/31/2003	123400	0	116244	0	0	112033	0
2/1/2003	123300	0	115446	0	0	112044	0
2/2/2003	123300	0	116383	0	0	111991	0
2/3/2003	123400	0	116549	0	0	111851	0
2/4/2003	123800	0	115326	0	0	111954	0
2/5/2003	125300	0	114105	0	0	112023	0
2/6/2003	125200	0	115281	0	0	111899	0
2/7/2003	124200	0	115342	0	0	111874	0
2/8/2003	125100	0	115020	0	0	111986	0
2/9/2003	124300	0	115006	0	0	111808	0
2/10/2003	123400	0	114379	0	0	111712	0
2/11/2003	124500	0	113479	0	0	111751	0
2/12/2003	124500	0	113869	0	0	111767	0
2/13/2003	124800	0	115926	0	0	111744	0
2/14/2003	124300	0	115035	0	0	111718	0
2/15/2003	124200	0	114893	0	0	111669	0
2/16/2003	36167	0	33512	0	0	32570	0
2/17/2003	4200	0	3938	0	0	3567	0
2/18/2003	124400	0	118135	0	0	111532	0
2/19/2003	123400	0	117988	0	0	111132	0

DATE	CW-8	CW-16	CW-9	CW-12	CW-13	CW-17	CW-15A
2/20/2003	100200	0	96556	0	0	90204	0
2/21/2003	123600	0	118190	0	0	111325	0
2/22/2003	123200	0	118209	0	0	111260	0
2/23/2003	124200	0	117071	0	0	111307	0
2/24/2003	124300	0	116812	0	0	111245	0
2/25/2003	125100	0	118110	0	0	111357	0
2/26/2003	125500	0	118017	0	0	111468	0
2/27/2003	124800	0	117988	0	0	111429	0
2/28/2003	124100	0	118035	0	0	111293	0
3/1/2003	123400	0	117544	0	0	111261	0
3/2/2003	123300	0	116563	0	0	111229	0
3/3/2003	125500	0	115703	0	0	111209	0
3/4/2003	123700	0	116210	0	0	111116	0
3/5/2003	122900	0	116493	0	0	111013	0
3/6/2003	123900	0	115924	0	384	111082	0
3/7/2003	124400	0	116315	0	0	111076	0
3/8/2003	123300	0	116502	0	0	111038	0
3/9/2003	123700	0	116451	0	0	111128	0
3/10/2003	125000	0	115486	0	0	111194	0
3/11/2003	121600	0	116511	0	67938	110180	0
3/12/2003	123200	0	118332	0	111838	110674	0
3/13/2003	123100	0	117505	0	110926	110482	0
3/14/2003	116500	0	117084	0	110734	110176	0
3/15/2003	122900	0	116319	0	110440	110223	0
3/16/2003	122900	0	116319	0	110440	110223	0
3/17/2003	122400	0	116336	0	110357	110080	0
3/18/2003	122600	0	103036	0	110349	109858	0

DATE	CW-8	CW-16	CW-9	CW-12	CW-13	CW-17	CW-15A
3/19/2003	79400	0	76036	0	73627	66277	0
3/20/2003	117900	0	106212	0	104320	103349	0
3/21/2003	122700	0	109602	0	110134	109137	0
3/22/2003	103400	0	109518	0	110087	109215	0
3/23/2003	122600	0	110256	0	109971	109129	0
3/24/2003	122500	0	110271	0	109432	109117	0
3/25/2003	122300	0	110666	0	109493	109151	0
3/26/2003	111000	0	111048	0	109107	109020	0
3/27/2003	122800	0	109967	0	108977	108833	0
3/28/2003	122400	0	111349	0	108981	108675	0
3/29/2003	121800	0	111412	0	108970	108685	0
3/30/2003	123400	0	109395	0	108898	108162	0
3/31/2003	109000	0	109441	0	108511	108040	0
4/1/2003	122300	0	110677	0	108979	108359	0
4/2/2003	122100	0	110121	0	108975	108304	0
4/3/2003	122400	0	109115	0	108965	108243	0
4/4/2003	108300	0	109764	0	108974	108151	0
4/5/2003	122100	0	109986	0	108962	108120	0
4/6/2003	117200	0	105581	0	104389	103632	0
4/7/2003	122800	0	110177	0	108544	108001	0
4/8/2003	109200	0	110110	0	108158	107980	0
4/9/2003	122000	0	110080	0	108795	107893	0
4/10/2003	121600	0	110070	0	108807	107865	0
4/11/2003	60500	0	110175	0	108694	107817	0
4/12/2003	110200	0	110220	0	108893	107818	0
4/13/2003	122700	0	109978	0	108889	107840	0
4/14/2003	109800	0	109869	0	108387	107715	0

DATE	CW-8	CW-16	CW-9	CW-12	CW-13	CW-17	CW-15A
4/15/2003	121600	0	109870	0	108066	107669	0
4/16/2003	121900	0	109126	0	107640	107670	0
4/17/2003	111200	0	109065	0	105681	107652	0
4/18/2003	124100	0	110026	0	105239	107764	0
4/19/2003	122800	0	105865	0	102709	107866	0
4/20/2003	122500	0	106935	0	101151	107593	0
4/21/2003	107600	0	106154	0	100731	105548	0
4/22/2003	122100	0	110328	0	98031	103588	0
4/23/2003	121700	0	112191	0	97014	102923	0
4/24/2003	122300	0	112318	0	97565	100226	0
4/25/2003	110700	0	111090	0	97673	98203	0
4/26/2003	121700	0	109079	0	97556	101273	0
4/27/2003	121800	0	109338	0	97514	100539	0
4/28/2003	111100	0	109967	0	97294	98593	0
4/29/2003	121600	0	111467	0	97272	96732	0
4/30/2003	121800	0	111969	0	97156	94658	0
5/1/2003	121600	0	111547	0	97168	92845	0
5/2/2003	109200	0	108854	0	97215	91138	0
5/3/2003	123200	0	108848	0	97191	89336	0
5/4/2003	123200	0	109208	0	97162	89128	0
5/5/2003	124100	0	108848	0	96893	88225	0
5/6/2003	123000	0	108961	0	96871	87762	0
5/7/2003	113500	0	109257	0	96949	87127	0
5/8/2003	122400	0	108943	0	96966	87607	0
5/9/2003	122500	0	108932	0	96949	88694	0
5/10/2003	122400	0	107885	0	96962	89376	0
5/11/2003	121800	0	108562	0	97100	89787	0

DATE	CW-8	CW-16	CW-9	CW-12	CW-13	CW-17	CW-15A
5/12/2003	122800	0	108858	0	96919	88065	0
5/13/2003	116600	0	108979	0	96840	87553	0
5/14/2003	117900	0	108900	0	96352	86966	0
5/15/2003	77100	0	82052	0	71796	73085	0
5/16/2003	83000	0	79648	0	70048	77477	0
5/17/2003	123100	0	109701	0	97719	108312	0
5/18/2003	123500	0	109734	0	97811	106757	0
5/19/2003	79200	0	112785	0	97647	96993	0
5/20/2003	77000	0	110659	0	97297	91674	0
5/21/2003	46500	0	108938	0	96978	89708	0
5/22/2003	73500	0	99791	0	90251	90614	0
5/23/2003	122500	0	94502	0	85456	89317	0
5/24/2003	130100	0	108236	0	96843	98421	0
5/25/2003	130200	0	108353	0	97091	91574	0
5/26/2003	131000	0	108382	0	96962	98532	0
5/27/2003	97500	0	109155	0	96825	100456	0
5/28/2003	101700	0	106116	0	93938	102385	0
5/29/2003	104900	0	107009	0	96860	108274	0
5/30/2003	118900	0	110849	0	97110	106866	0
5/31/2003	129200	0	113401	0	97625	105555	0
6/1/2003	130200	0	113623	0	97540	105522	0
6/2/2003	100000	0	112967	0	97282	105431	0
6/3/2003	88500	0	110811	0	97061	105345	0
6/4/2003	115400	0	109003	0	96911	105201	0
6/5/2003	94500	0	109587	0	97305	105430	0
6/6/2003	90200	0	109550	0	97598	105571	0
6/7/2003	129300	0	107088	0	97852	105785	0

DATE	CW-8	CW-16	CW-9	CW-12	CW-13	CW-17	CW-15A
6/8/2003	129400	0	107332	0	97863	105910	0
6/9/2003	92600	0	107412	0	96202	104036	0
6/10/2003	102800	0	110206	0	97984	105881	0
6/11/2003	129300	0	111234	0	98430	105921	0
6/12/2003	129500	0	111359	0	98771	106071	0
6/13/2003	116400	0	112781	0	98744	106067	0
6/14/2003	129500	0	113386	0	98825	106098	0
6/15/2003	129200	0	112130	0	98868	106092	0
6/16/2003	129600	0	110550	0	98593	106007	0
6/17/2003	117000	0	110219	0	98254	105918	0
6/18/2003	129700	0	110095	0	98017	105706	0
6/19/2003	129000	0	109338	0	98025	105597	0
6/20/2003	130100	0	110440	0	97955	105644	0
6/21/2003	130900	0	110929	0	97964	105675	0
6/22/2003	130500	0	111053	0	98126	105749	0
6/23/2003	129800	0	111477	0	98390	105774	0
6/24/2003	121300	0	114800	0	98885	105987	0
6/25/2003	121300	0	114800	0	98885	105987	0
6/26/2003	128900	0	113948	0	98812	105955	0
6/27/2003	116400	0	114675	0	98770	106061	0
6/28/2003	129800	0	111547	0	98720	106082	0
6/29/2003	129000	0	110221	0	98645	106047	0
6/30/2003	120500	0	105559	0	94915	101810	0
7/1/2003	129100	0	109085	0	98332	105961	0
7/2/2003	128900	0	109100	0	98095	105931	0
7/3/2003	115900	0	110537	0	97893	105808	0
7/4/2003	129200	0	109836	0	97976	105962	0

DATE	CW-8	CW-16	CW-9	CW-12	CW-13	CW-17	CW-15A
7/5/2003	128800	0	108022	0	97898	105971	0
7/6/2003	128800	0	108653	0	97829	105917	0
7/7/2003	116300	0	109857	0	97865	105906	0
7/8/2003	128800	0	109927	0	97862	105903	0
7/9/2003	101200	0	109736	0	97860	105934	0
7/10/2003	129100	0	107710	0	97850	105863	0
7/11/2003	128800	0	106521	0	97833	105863	0
7/12/2003	128900	0	109103	0	97864	106005	0
7/13/2003	129200	0	106688	0	97863	105992	0
7/14/2003	114400	0	108299	0	97832	105061	0
7/15/2003	128800	0	107747	0	97724	97940	0
7/16/2003	128700	0	107677	0	97422	95038	0
7/17/2003	129000	0	107576	0	94956	93408	0
7/18/2003	128900	0	108404	0	94424	91675	0
7/19/2003	129300	0	107121	0	93739	90850	0
7/20/2003	129300	0	105418	0	92646	89847	0
7/21/2003	128800	0	106716	0	74086	90715	0
7/22/2003	91800	0	79308	0	0	76592	0
7/23/2003	128900	0	108520	0	0	106397	0
7/24/2003	128900	0	109806	0	0	106343	0
7/25/2003	127600	0	107553	0	65140	104973	0
7/26/2003	128900	0	109329	0	98286	105939	0
7/27/2003	128800	0	106412	0	97934	105908	0
7/28/2003	128500	0	107768	0	97803	105727	0
7/29/2003	128800	0	109624	0	97798	105674	0
7/30/2003	128800	0	107306	0	97495	105558	0
7/31/2003	128800	0	109989	0	97014	105534	0

DATE	CW-8	CW-16	CW-9	CW-12	CW-13	CW-17	CW-15A
8/1/2003	128700	0	108452	0	91533	104352	2621
8/2/2003	128700	0	108719	0	88179	104251	5792
8/3/2003	128500	0	106913	0	88253	98224	5783
8/4/2003	128500	0	106451	0	88071	96159	5582
8/5/2003	128500	0	105719	0	87928	94237	5476
8/6/2003	129000	0	108308	0	87924	103907	5587
8/7/2003	128800	0	106469	0	87861	105318	5656
8/8/2003	128600	0	107226	0	87867	105297	5714
8/9/2003	128500	0	107796	0	87870	105294	5609
8/10/2003	128500	0	107905	0	87908	104318	5997
8/11/2003	128700	0	107048	0	87857	102288	6131
8/12/2003	71400	0	107746	0	87862	105344	6047
8/13/2003	91400	0	108371	0	87994	105434	3666
8/14/2003	123200	0	108102	0	88216	105524	0
8/15/2003	128600	0	107283	0	67011	105629	9
8/16/2003	128700	0	107407	0	0	106317	0
8/17/2003	128900	0	105222	0	0	106720	0
8/18/2003	128900	0	105222	0	0	106720	0
8/19/2003	129300	0	108712	0	0	106731	3023
8/20/2003	128800	0	0	0	0	0	0
8/21/2003	128700	0	0	0	0	0	0
8/22/2003	128600	0	105737	0	0	107175	3949
8/23/2003	128800	0	109204	0	0	107199	4181
8/24/2003	129700	0	108448	0	0	107145	4194
8/25/2003	128900	0	0	0	0	0	0
8/26/2003	128800	0	0	0	0	0	0
8/27/2003	128800	0	99265	0	53288	97139	3380

DATE	CW-8	CW-16	CW-9	CW-12	CW-13	CW-17	CW-15A
8/28/2003	128700	0	111116	0	91113	107023	3448
8/29/2003	122300	0	109889	0	90666	107080	3362
8/30/2003	128700	0	109094	0	90597	107061	2726
8/31/2003	130000	0	110941	0	90583	106981	1421
9/1/2003	128900	0	111509	0	90340	106847	2428
9/2/2003	128900	0	111428	0	89760	106534	2064
9/3/2003	120600	0	110335	0	89660	106392	1972
9/4/2003	128900	0	110522	0	89670	106437	2077
9/5/2003	117500	0	109934	0	89539	106202	1858
9/6/2003	130400	0	109463	0	89937	106673	2058
9/7/2003	130100	0	107807	0	89865	106681	2052
9/8/2003	129000	0	108023	0	89666	106543	1891
9/9/2003	121500	0	107800	0	89722	106643	1845
9/10/2003	129600	0	107709	0	89650	106546	2067
9/11/2003	129400	0	107714	0	89654	106503	1913
9/12/2003	128900	0	108760	0	89654	106596	1733
9/13/2003	128900	0	110938	0	89638	106576	1925
9/14/2003	128800	0	109494	0	89670	106749	1661
9/15/2003	93700	0	107308	0	89452	106469	55
9/16/2003	74100	0	62611	0	51219	61033	0
9/17/2003	52300	0	44483	0	36844	43121	0
9/18/2003	58600	0	50188	0	42013	49642	1
9/19/2003	77200	0	77715	0	65440	76685	0
9/20/2003	90300	0	75569	0	63102	74522	0
9/21/2003	1800	0	1501	0	1269	1456	0
9/22/2003	67600	0	65477	0	55673	65153	0
9/23/2003	107600	0	106389	0	91609	107474	0

DATE	CW-8	CW-16	CW-9	CW-12	CW-13	CW-17	CW-15A
9/24/2003	118900	0	108291	0	91462	107334	0
9/25/2003	129800	0	105696	0	91521	107224	0
9/26/2003	115400	0	100933	0	87955	103034	0
9/27/2003	128800	0	107069	0	91594	107397	0
9/28/2003	130200	0	110850	0	91630	107418	0
9/29/2003	122200	0	110737	0	91221	107073	0
9/30/2003	131500	0	102079	0	90732	106897	0
10/1/2003	130300	0	103431	0	90677	106963	0
10/2/2003	130500	0	106923	0	90649	106707	0
10/3/2003	119100	0	108150	0	90382	106644	0
10/4/2003	131100	0	108943	0	90645	106884	0
10/5/2003	131200	0	109139	0	90524	106870	0
10/6/2003	122100	0	109063	0	90293	106843	0
10/7/2003	129700	0	108563	0	90129	106838	0
10/8/2003	129100	0	107225	0	90230	107000	0
10/9/2003	128800	0	108276	0	90223	106928	0
10/10/2003	129000	0	107767	0	90330	106965	0
10/11/2003	129000	0	106200	0	90382	107019	0
10/12/2003	129600	0	105765	0	90133	106994	0
10/13/2003	117000	0	106379	0	89869	106935	0
10/14/2003	129000	0	107500	0	89757	106850	0
10/15/2003	129300	0	107892	0	89727	106678	0
10/16/2003	119200	0	102245	0	89661	106639	0
10/17/2003	129400	0	100518	0	89588	106536	0
10/18/2003	131300	0	98468	0	89481	106520	0
10/19/2003	130200	0	102167	0	89559	106570	0
10/20/2003	120900	0	103002	0	89288	106438	0

DATE	CW-8	CW-16	CW-9	CW-12	CW-13	CW-17	CW-15A
10/21/2003	128900	0	104501	0	89676	106684	0
10/22/2003	129500	0	104969	0	89471	106572	0
10/23/2003	130900	0	105690	0	88776	106163	0
10/24/2003	122400	0	106785	0	88850	106356	0
10/25/2003	113700	0	93806	0	78337	93336	0
10/26/2003	10700	0	8868	0	7481	8918	0
10/27/2003	122900	0	104737	0	89435	106852	0
10/28/2003	112200	0	99526	0	85276	101972	0
10/29/2003	128900	0	103003	0	89679	106924	0
10/30/2003	129200	0	105918	0	89574	106905	0
10/31/2003	124000	0	109814	0	89608	106459	0
11/1/2003	128800	0	111282	0	90363	107254	0
11/2/2003	128800	0	111779	0	90585	107339	0
11/3/2003	128700	0	108935	0	90469	107130	0
11/4/2003	128700	0	108935	0	90469	107130	0
11/5/2003	128800	0	107773	0	90270	106993	0
11/6/2003	128700	0	107907	0	89940	106971	0
11/7/2003	121000	0	108009	0	89892	107041	0
11/8/2003	131800	0	110337	0	89786	106813	0
11/9/2003	132000	0	114071	0	90587	107344	0
11/10/2003	130600	0	114578	0	90558	107449	0
11/11/2003	130300	0	114331	0	90630	107489	0
11/12/2003	127400	0	111580	0	89328	106239	0
11/13/2003	130300	0	113202	0	89924	107360	0
11/14/2003	116300	0	108438	0	86946	103544	0
11/15/2003	129000	0	112035	0	90440	107518	0
11/16/2003	128900	0	112429	0	90444	107366	0

DATE	CW-8	CW-16	CW-9	CW-12	CW-13	CW-17	CW-15A
11/17/2003	123500	0	113209	0	90036	107139	0
11/18/2003	128800	0	113177	0	89877	107151	0
11/19/2003	128800	0	113210	0	89861	107192	0
11/20/2003	122400	0	113208	0	89772	107302	0
11/21/2003	119400	0	111184	0	88455	105148	0
11/22/2003	128900	0	112571	0	90211	106717	0
11/23/2003	129300	0	110683	0	90315	106599	0
11/24/2003	129200	0	110398	0	90161	106313	0
11/25/2003	124500	0	110486	0	90261	106360	0
11/26/2003	122500	0	110789	0	90292	106368	0
11/27/2003	129000	0	112034	0	90492	106411	0
11/28/2003	129200	0	113208	0	90435	106404	0
11/29/2003	131800	0	113198	0	90458	106439	0
11/30/2003	130200	0	113210	0	90503	106459	0
12/1/2003	129500	0	113278	0	90553	106475	0
12/2/2003	129100	0	112751	0	90069	105750	0
12/3/2003	98400	0	85438	0	68504	79905	0
12/4/2003	129000	0	112224	0	90652	105224	0
12/5/2003	127300	0	110573	0	89388	103793	0
12/6/2003	130900	0	113804	0	90669	105385	0
12/7/2003	130800	0	113576	0	90662	105360	0
12/8/2003	77500	0	91829	0	75710	87205	0
12/9/2003	77500	0	91829	0	75710	87205	0
12/10/2003	126800	0	107838	0	89158	102957	0
12/11/2003	116000	0	110390	0	90624	104699	0
12/12/2003	129300	0	110633	0	90659	104814	0
12/13/2003	129700	0	111502	0	90660	104891	0

DATE	CW-8	CW-16	CW-9	CW-12	CW-13	CW-17	CW-15A
12/14/2003	129700	0	111502	0	90660	104891	0
12/15/2003	128900	0	111593	0	90717	104940	0
12/16/2003	128900	0	111410	0	90818	104969	0
12/17/2003	116800	0	111184	0	90942	104997	0
12/18/2003	123400	0	111434	0	91117	105008	0
12/19/2003	128900	0	111728	0	91434	105062	0
12/20/2003	128900	0	111792	0	91563	105108	0
12/21/2003	128900	0	111765	0	91561	105029	0
12/22/2003	128800	0	111364	0	91491	104851	0
12/23/2003	128800	0	111310	0	91495	104804	0
12/24/2003	128900	0	111385	0	91586	104739	0
12/25/2003	129100	0	111429	0	91552	104588	0
12/26/2003	129500	0	111030	0	91446	104591	0
12/27/2003	128900	0	110842	0	91472	104766	0
12/28/2003	128900	0	110538	0	91292	105254	0
12/29/2003	128800	0	110497	0	91326	104398	0
12/30/2003	128800	0	110408	0	91165	103219	0
12/31/2003	122300	0	110308	0	91046	103114	0
Sum	43847667	0	38407484	0	26843220	37296334	126954
Average	120131	0	105226	0	73543	102182	348

APPENDIX C

2003 Operation and Maintenance Data Summary

TABLE 1
2003 OPERATION & MAINTENANCE DATA SUMMARY
Harley-Davidson Motor Company Operations, Inc.

SERVICE DATE	1/3/2003	1/21/2003	2/7/2003	2/20/2003	3/5/2003	3/18/2003	4/4/2003	4/17/2003	5/2/2003	5/23/2003	6/9/2003	6/27/2003	7/7/2003	7/25/2003	8/8/2003	8/29/2003	9/5/2003	9/19/2003	10/3/2003	10/24/2003	11/7/2003	11/21/2003	12/5/2003	12/17/2003
TECHNICIAN	SEP	SEP	SEP	SLM	HLS	HLS	HLS	SEP	SLM/SAM	BJM	BJM	SAM	SAM/SRL	SEP	SEP	BJM	SEP	SEP	SEP	SAM	SEP	SEP	SEP	SEP
PTA INFL. PUMP																								
Full Load = 27 AMPS	15.7	14.74	15.01	15.7	15.81	11.92	16.20	16.21	16.04	16.04	15.8	16.4	16.27	16.35	15.7	16.2	16.15	15.4	15.4	15.84	15.84	16.18	16.1	15.59
FLOW RATE gpm	NR	NR	NR	258	313	308.1	333.5	331.1	313	360	290	329	322	335	318	321	285	254	320	NM	318	375	315	316
PTA BLOWER																								
Full Load = 27 AMP READINGS	13.7	16.41	15.81	16.2	14.95	12.56	15.53	16.14	15.30	15.11	16.0	16.88	15.99	16.91	16.3	18.3	18.08	17.5	17.6	18.30	18.1	18.67	19.6	OL
PRESSURE inches water	19.5	19	19.1	19.1	17.5	18.1	17	17.5	16.0	10.5	10	9.5	9.5	9	9	7	8.5	8.9	9.5	10.5	NM	11	10.3	12.75
TOWER PANEL																								
VISUAL INSPECT	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
WARWICK SECURE	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
TOWER SAMPLING																								
AST EFFLUENT pH	8.1	NM	8.2	NM	8.2	NM	8.1	NM	8.1	8.3	8.1	NM	8.2	NM	8.2	8.3	7.9	NM	8.1	NM	8.1	NM	8.1	8.1
AST INFLUENT pH	7.2	NM	7.2	7.8	7.1	7.73	7.0	NM	7.9	7.9	7.9	7.9	7.2	NM	7.2	8.0	7.1	NM	7.0	8.1	7.2	NM	6.9	6.9
TFO PROPANE TANK																								
PRE-REGULATOR psi	55	50	55	70	60	90	61	0	0	0	0	0	0	0	0	1100	180	200	130	100	100	90	65	60
POST-REGULATOR psi	25	25	25	25	24.5	24.2	24	0	0	0	0	0	0	0	0	160	25	25	25	24	25	25	25	25
TCA WELLS																								
CW-8; Full Load = 14 AMPS	14.67	14.79	13.73	NM	14.39	14.81	NM	14.61	14.32	12.46	12.4	13.05	12.65	12.65	NM	14.2	OL	12.69	12.8	12.71	NM	12.6	12.1	NM
CW-8 FLOW RATE gpm	87	87	87	85	86	86	86.0	85	84	90	90	90	90	89	90	88.5	OL	89	91	91	89	90	90	89
CW-8 PRESSURE psi	66	65	185	NM	58	57	NM	59	58	65	64	70	70	70	70	70	OL	70	70	70	70	70	70	70
CW-8 CLEAN "Y" STRAINER	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
CW-8 CLEAN CK. VALVE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
CW-8 HIGH LEVEL ALARM	Y	Y	Y	Y	Y	N	Y	Y	Y	N	N	N	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y
WPL WELLS																								
TOTAL FLOW RATE gpm	190	157	161	161.8	162	155	229	231	198	206.3	219.5	233.3	221	230	214	218	217.7	216	214	210	221	221	218	217
CW-9; Full Load = 14 AMPS	13.67	14.19	14.39	13.7	14.1	OL	13.88	13.8	13.75	14.1	13.59	13.7	13.57	13.87	13.88	14.59	13.91	13.7	14	14.66	13.8	14.1	14.36	13.5
CW-9 FLOW RATE gpm	52	89	80	91.0	90.7	OL	85.1	77.1	85	75	76.0	89	76.5	85	75	77.5	77.5	85.5	77	82.2	84	80	87	87
CW-9 PRESSURE psi	12	17	16	18	16	OL	19	19	18	19	29	18	18	18	18	20	20	19	20	19	19	19	19	19
CW-9 CLEAN "Y" STRAINER	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	Y	N	N	N	N	N	N
CW-9 HIGH LEVEL ALARM?	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
CW-13; Full Load = 11 AMPS	9.35	OL	OL	OL	OL	10.47	10.36	10.26	10.48	10.4	9.71	10.0	9.85	10.00	9.92	10.26	10.03	9.7	9.97	10.29	10.01	9.9	9.95	10
CW-13 FLOW RATE gpm	61	OL	OL	OL	OL	78.3	76.9	76.4	68.4	68.3	69.0	69	69.0	70	62	64	63.4	64.2	64	62.4	64	63	63.6	67
CW-13 PRESSURE psi	13	0	0	0	0	16	17	17	15	18	16	15.5	16	18	14	14	14	14	15	15	15	14	15	15
CW-13 CLEAN "Y" STRAINER	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
CW-13 HIGH LEVEL ALARM?	N	Y	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
CW-17; Full Load = 11 AMPS	10.49	10.51	10.61	10.2	10.93	10.28	9.58	9.53	9.30	10.13	10.12	10.15	10.18	10.33	10.33	10.85	10.39	10.1	10.84	11.01	10.1	10.5	10.33	10
CW-17 FLOW RATE gpm	77	80	80	78.8	78.6	77.6	78.7	76.1	59.9	63	74.5	75.3	75.5	75	75	75.5	75.8	76.5	77	75.9	73	75	74.5	72
CW-17 PRESSURE psi	12	13	12	5	12	6	17	14	12	14	15	13	12	14	13	13	12	14	15	14	14	14	13	13
CW-17 CLEAN "Y" STRAINER	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
CW-17 HIGH LEVEL ALARM?	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
CW-15A; Full Load = 3 AMPS	OL	OL	OL	OL	OL	OL	OL	OL	OL	OL	OL	OL	OL	OL	1.4	1.09	1.45	OL	OL	OL	OL	OL	OL	OL
CW-15A FLOW RATE gpm	OL	OL	OL	OL	OL	OL	OL	OL	OL	OL	OL	OL	OL	OL	4	2.4	1.0	OL	OL	OL	OL	OL	OL	OL
CW-15A PRESSURE psi	OL	OL	OL	OL	OL	OL	OL	OL	OL	OL	OL	OL	OL	OL	78	4	4	OL	OL	OL	OL	OL	OL	OL
CW-15A CLEAN "Y" STRAINER	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N
CW-15A HIGH LEVEL ALARM?	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y

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SERVICE DATE	1/3/2003	1/21/2003	2/7/2003	2/20/2003	3/5/2003	3/18/2003	4/4/2003	4/17/2003	5/2/2003	5/23/2003	6/9/2003	6/27/2003	7/7/2003	7/25/2003	8/8/2003	8/29/2003	9/5/2003	9/19/2003	10/3/2003	10/24/2003	11/7/2003	11/21/2003	12/5/2003	12/17/2003
TECHNICIAN	SEP	SEP	SEP	SLM	HLS	HLS	HLS	SEP	SLM/SAM	BJM	BJM	SAM	SAM/SRL	SEP	SEP	BJM	SEP	SEP	SEP	SAM	SEP	SEP	SEP	SEP
NPBA WELLS																								
VIS. INSP. CONTR. PANEL	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
WARWICK SECURE	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
SUMP PUMP AMPS	1.88	1.91	1.9	1.9	0.03	NM	0.02	1.79	1.82	1.85	NM	1.95	1.88	1.4	1.9	2.01	0	1.83	NM	2.04	1.97	1.95	1.4	1.94
SUMP PUMP OPR. CHK.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
MANIFOLD PRESS. psi	0	0	1.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NM	NM	NM	NM	NM	NM
CW-1; Full Load = 1.1 AMPS	1.06	1.11	1.09	1.0	1.09	0.64	1.05	1.08	1.04	1.15	1.18	1.24	1.15	0.9	1.11	1.15	1.09	1.09	1.0	1.13	1.31	1.1	1.1	1.12
CW-1 FLOW-RATE gpm	2.9	2.8	3.4	3.2	3.2	3.0	3.7	3.6	3.0	3.0	4.0	3.8	3.4	4.4	2.8	2.0	2.0	2.0	1.8	1.4	1.7	1.6	1.6	1.6
CW-1 PRESSURE psi	106	102	98	24	98	102	88	86	97	56	72	77	81	64	90	100	100	100	110	111	110	119	109	110
CW-1 CLEAN "Y" STRAINER	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	Y	Y	N	N	N	Y	Y	Y	N
CW-1 CLEAN CK. VALVE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
CW-1 CLEAN FLOWSENSOR	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	Y	N	N	N	Y	Y	N	N	N	Y	Y	Y	N
CW-1 HIGH LEVEL ALARM?	Y	N	N	N	N	N	N	N	Y	N	Y	N	Y	N	Y	N	N	N	N	N	N	N	N	N
CW-1A; Full Load = 1.1 AMPS	0.01	1.33	1.31	1.2	0.01	OL	OL	1.31	1.27	1.21	1.16	1.25	1.25	0	1.31	OL	OL	0	0	OL	OL	OL	OL	OL
CW-1A FLOW-RATE gpm	0	0.2	0	0	0	0	0	0	0	0	0	0	0.2	0	0.2	OL	OL	0	0.0	OL	OL	OL	OL	OL
CW-1A PRESSURE psi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	OL	OL	0	0	OL	OL	OL	OL	OL
CW-1A CLEAN "Y" STRAINER	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	N	N	Y	Y	N	N	N	N	N
CW-1A CLEAN CK. VALVE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
CW-1A CLEAN FLOWSENSOR	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	Y	N	Y	Y	N	N	N	N	N	N	N	N	N
CW-1A HIGH LEVEL ALARM?	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	Y	N	N	Y	Y	Y
CW-2; Full Load = 1.1 AMPS	1.49	1.35	1.34	1.3	0.01	OL	OL	1.33	1.31	1.40	1.49	1.37	1.36	1.1	1.04	1.01	0	1.4	1.0	1.51	1.40	1.3	0	1.37
CW-2 FLOW-RATE gpm	0	0.3	0	0	0	0	0	0	0	2.0	2.0	0	1.5	0	0.0	1.6	0	0	0	0	0	0	0	0
CW-2 PRESSURE psi	0	0	0	32	0	0	0	0	0	0	40	0	0	0	0	8	0	0	0	0	0	0	0	0
CW-2 CLEAN "Y" STRAINER	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
CW-2 CLEAN CK. VALVE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
CW-2 CLEAN FLOWSENSOR	Y	Y	Y	Y	Y	Y	N	Y	N	N	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
CW-2 HIGH LEVEL ALARM?	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N
CW-3; Full Load = 1.1 AMPS	1.17	0.96	0.98	1.2	1.18	0.3	1.10	1.32	1.34	1.21	1.21	1.24	1.35	1.0	1.32	1.29	1.16	1.40	0.9	1.36	1.33	1.3	1.31	1.35
CW-3 FLOW-RATE gpm	1.1	1.1	1.1	0.9	4.3	4.4	1.4	3.2	3.2	3.6	3.8	3.3	4.2	3.8	3.5	3.6	3.4	3.2	3.1	1.5	1.4	1.6	1.4	1.4
CW-3 PRESSURE psi	0	0	0	0	58	59	0	64	56	32	18	0	64	65	62	52	49	40	12	0	0	0	0	0
CW-3 CLEAN "Y" STRAINER	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
CW-3 CLEAN CK. VALVE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
CW-3 CLEAN FLOWSENSOR	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
CW-3 HIGH LEVEL ALARM?	Y	Y	Y	N	N	N	N	Y	Y	N	N	Y	Y	N	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y
CW-4; Full Load = 1.1 AMPS	1.21	1.20	1.21	1.2	1.23	0.56	1.10	1.16	1.17	OL	1.27	1.30	1.35	1.0	1.21	1.15	1.27	1.24	0.9	1.30	1.37	1.3	1.33	1.28
CW-4 FLOW-RATE gpm	1.4	1.3	1.1	1.0	1.2	2.5	2.5	2.6	1.7	OL	2.6	3.4	2.8	2.4	2.4	2.4	2.4	2.4	2.3	1.5	1.5	1.6	1.4	1.4
CW-4 PRESSURE psi	0	0	0	0	102	89	84	79	89	OL	64	13	14	93	84	82	82	94	71	0	0	0	0	0
CW-4 CLEAN "Y" STRAINER	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
CW-4 CLEAN CK. VALVE	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
CW-4 CLEAN FLOWSENSOR	Y	Y	Y	Y	Y	Y	N	Y	Y	N	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
CW-4 HIGH LEVEL ALARM?	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	N	Y	N	N	N	N	Y	Y	Y	Y	Y	Y	Y
CW-5; Full Load = 4.9 AMPS	4.86	4.98	4.57	6.2	4.64	3.81	4.45	4.68	4.80	4.91	1.26	4.70	3.54	3.1	3.34	3.34	3.24	3.44	NM	3.36	3.51	3.6	3.43	3.49
CW-5 FLOW-RATE gpm	6.2	2.8	1.3	1.5	1.1	1.0	1.1	1.1	1.1	1.1	0.6	1.2	1.2	1.2	1.2	1.4	1.2	1.3	1.2	1.3	1.2	1.3	1.3	1.4
CW-5 PRESSURE psi	0	68	76	80	88	90	88	90	88	82	90	88	70	71	72	70	71	82	70	69	74	82	77	82
CW-5 CLEAN "Y" STRAINER	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
CW-5 CLEAN CK. VALVE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
CW-5 CLEAN FLOWSENSOR	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
CW-5 HIGH LEVEL ALARM?	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	Y	Y	Y	Y
CW-6; Full Load = 1.1 AMPS	1.15	1.04	1.14	1.3	1.19	1.18	1.09	1.13	1.13	OL	1.10	1.12	1.14	1.1	1.12	1.16	1.2	1.13	NM	1.19	1.15	1.1	1.1	1.13
CW-6 FLOW-RATE gpm	5.2	4.9	4.8	5.3	7.1	6.3	5.9	5.1	5.4	OL	3.2	3.7	4.0	4.1	3.4	3.6	3.4	3.6	3.3	3.1	3.0	1.8	3.3	2.8
CW-6 PRESSURE psi	49	40	39	40	0	0	0	0	0	OL	76	73	72	73	72	70	70	74	64	49	48	48	44	42
CW-6 CLEAN "Y" STRAINER	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
CW-6 CLEAN CK. VALVE	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
CW-6 CLEAN FLOWSENSOR	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
CW-6 HIGH LEVEL ALARM?	N	N	N	Y	N	Y	Y	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	N
CW-7; Full Load = 1.1 AMPS	1.08	1.09	1.11	1.0	0.03	0.4	0	0.93	1.07	1.06	1.06	1.06	1.08	0.8	1.11	1.09	0.1	0	NM	1.17	1.15	1.2	0	1.15
CW-7 FLOW-RATE gpm	0.2	0.2	0.3	0	0.1	0.2	0.2	0.2	0.3	0	0	0.4	0.3	0.1	0.2	0.2	0.1	0.3	0.2	0	0.2	0.2	0.3	0.2
CW-7 PRESSURE psi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CW-7 CLEAN "Y" STRAINER	Y	Y	Y	Y	N	N	Y	Y	Y	Y	N	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	Y	Y
CW-7 CLEAN CK. VALVE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
CW-7 CLEAN FLOWSENSOR	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y
CW-7 HIGH LEVEL ALARM?	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y
CW-7A; Full Load = 1.1 AMPS	3.8	3.63	1.73	1.6	1.74	NM	0	1.93	1.96	OL	OL	1.85	OL	OL	OL	OL	OL	OL	OL	OL	OL	OL	OL	OL
CW-7A FLOW-RATE gpm	0	0	0	0	0.0	0.0	0	0.2	0	OL	OL	0.0	OL	OL	OL	OL	OL	OL	OL	OL	OL	OL	OL	OL
CW-7A PRESSURE psi	0	0	0	0	0	0	0	0	0	OL	OL	0	OL	OL	OL	OL	OL	OL	OL	OL	OL	OL	OL	OL
CW-7A CLEAN "Y" STRAINER	Y	Y	Y	Y	Y	Y	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
CW-7A CLEAN CK. VALVE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
CW-7A CLEAN FLOWSENSOR	Y	Y	Y	Y	Y	Y	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
CW-7A HIGH LEVEL ALARM?	N	N	N	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

APPENDIX D

Historical Groundwater Sampling Data Summary

CW-12
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	2/10/1992 33785-1	9/21/1999	3/29/2000	6/21/2001 183596-1	6/12/2002 209745-6	6/3/2003 236625011	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)									
Antimony	NA	ND	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	ND	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	ND	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	ND	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	ND	NA	NA	NA	ND	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	ND	NA	NA	NA	ND	**0.100**	**0.100**	**NR**
Copper	NA	0.0052	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	ND	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	ND	NA	**0.200**	**0.200**	**NR**
Lead	NA	ND	NA	NA	NA	ND	**0.005**	**0.005**	**0.0015**
Mercury	NA	ND	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	ND	NA	NA	NA	ND	**0.100**	**0.100**	**NR**
Zinc	NA	0.023	NA	NA	NA	ND	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)									
Acetone	NA	ND	NA	ND	ND	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	NA	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	ND	NA	ND	ND	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	NA	NA	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	NA	NA	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	0.001	ND	ND	ND	ND	0.0018	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.012	ND	0.00570	ND	0.0096	0.0013	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.02	ND	0.00388	0.0028	0.0015	0.0024	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	0.081	NA	0.017	0.078	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	NA	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	NA	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.09	0.047	0.0267	0.0045	0.0048	0.0042	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.27	0.072	0.0701	0.028	0.035	0.0271	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	0.09	NA	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.23	0.085	0.0276	0.093	0.0088	0.0756	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	ND	NA	ND	ND	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-2 Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	4/29/1986 W-9295	7/22/1986 W-10957	1/29/1992 33304-1	6/22/1993 50026-3	7/13/1994 62834-3	10/27/1995 7814208	7/17/1996 8606301	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)										
Antimony	NA	NA	NA	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	NA	ND	NA	**1**	**1**	**1.3**
Cyanide, total	1.06	1.04	1.5	0.12	1.9	2.8	1.7	**NR**	**NR**	**0.2**
Cyanide, free	NA	0.012	0.016	0.02	ND	2.8	1.7	**0.200**	**0.200**	**NR**
Lead	NA	NA	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	NA	NA	NA	NA	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)										
Acetone	NA	NA	NA	NA	ND	NA	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	NA	NA	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	NA	ND	NA	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.672	0.800	0.350	0.240	0.150	0.360	0.210	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	0.003	0.005	0.003	ND	ND	NA	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.405	0.500	0.170	0.100	0.071	0.120	0.068	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	NA	ND	NA	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-2 Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	10/22/1997 10096203	12/9/1998 298120377001	9/21/1999	3/20/2000	6/21/2001 183596-4	6/14/2002 210005-2	6/4/2003 236799004	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)										
Antimony	NA	NA	ND	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	ND	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	ND	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	ND	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	ND	NA	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	ND	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	NA	NA	0.01	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	1.5	1.6	2.3	0.0101	3.92	1.47	1.67	**NR**	**NR**	**0.2**
Cyanide, free	1.5	0.2	0.3	0.356	0.852	0.043	0.247	**0.200**	**0.200**	**NR**
Lead	NA	NA	ND	NA	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	ND	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	ND	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	NA	NA	0.04	NA	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)										
Acetone	ND	ND	ND	NA	ND	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	ND	NA	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	ND	ND	NA	ND	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	0.0025	0.0012	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	NA	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	NA	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.250	0.180	0.098	0.130	0.169	0.273	0.184	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	ND	NA	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.120	0.089	0.057	0.037	0.048	0.090	0.0372	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	ND	ND	NA	ND	ND	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-5
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	4/29/1986 W-9298	7/22/1986 W-10960	12/11/1998 298120447013	9/14/1999	3/24/2000	6/19/2001 1833303-3	6/11/2002 209609-2	6/2/2003 236548001	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)											
Antimony	NA	NA	NA	ND	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	ND	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	ND	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	ND	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	NA	ND	NA	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	ND	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	0.0086	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	ND	ND	ND	NA	**NR**	**NR**	**0.2**
Cyanide, free	NA	0.007	ND	ND	ND	ND	ND	NA	**0.200**	**0.200**	**NR**
Lead	NA	NA	NA	ND	NA	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	ND	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	NA	ND	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	NA	NA	NA	0.039	NA	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)											
Acetone	NA	NA	ND	ND	NA	ND	ND	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	ND	NA	NA	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	ND	ND	NA	ND	ND	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	0.002	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	ND	ND	0.0007 J	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	0.001	ND	0.0009 J	0.0017	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	0.040	0.025	ND	0.027	0.017	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	0.001	ND	ND	NA	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	0.002	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	0.009	ND	ND	NA	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.001	ND	ND	ND	ND	0.0004 J	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	ND	0.001	ND	ND	ND	0.0004 J	ND	ND	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	0.013	0.040	ND	NA	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.037	0.063	0.034	0.030	0.00112	0.014	0.0024	0.0038	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	0.001	ND	ND	ND	0.0012	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	ND	ND	NA	ND	ND	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
J = estimated value, below reporting limit
NR = Not Reported

MW-6
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	5/15/1986 W-9726	7/22/1986 W-10961	4/3/1990 16626-1	4/28/1994 60167-2	7/11/1994 62787--1	12/11/1998 298120447012	9/21/1999	3/23/2000	6/19/2001 183330-4	6/11/2002 209610-1	6/2/2003 236549003	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)														
Antimony	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA	ND	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	ND	**0.100**	**0.100**	**NR**
Copper	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	**NR**	**NR**	**0.2**
Cyanide, free	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	**0.200**	**0.200**	**NR**
Lead	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA	ND	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA	ND	**0.100**	**0.100**	**NR**
Zinc	NA	NA	0.09	ND	ND	NA	0.028	NA	NA	NA	ND	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)														
Acetone	NA	NA	NA	ND	ND	ND	ND	NA	ND	ND	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	ND	ND	ND	ND	NA	ND	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	0.002	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.016	0.005	0.024	0.001	0.003	0.0025	0.001	0.00111	0.0012	0.0015	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	0.001	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	ND	ND	NA	ND	ND	ND	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.004	0.005	0.018	ND	ND	ND	ND	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	0.003	0.001	NA	ND	ND	ND	NA	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.002	0.001	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	ND	ND	ND	ND	NA	ND	ND	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-7
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	4/29/1986 W-9299	7/22/1986 W-10962	4/2/1990 16575-1	2/28/1991 24605-2	4/28/1994 60204-4	7/11/1994 62787-3	9/28/1999	4/5/2000	6/4/2003 236798001	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)												
Antimony	NA	NA	ND	NA	ND	ND	ND	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	ND	NA	ND	ND	ND	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	ND	NA	ND	ND	ND	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	ND	NA	ND	ND	ND	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	ND	NA	ND	0.03	0.067	NA	0.077	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	0.1	NA	0.07	**0.100**	**0.100**	**NR**
Copper	NA	NA	0.01	NA	ND	ND	ND	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	NA	NA	ND	ND	ND	ND	NA	**NR**	**NR**	**0.2**
Cyanide, free	NA	ND	NA	NA	ND	ND	ND	ND	NA	**0.200**	**0.200**	**NR**
Lead	NA	NA	ND	NA	ND	ND	ND	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	ND	NA	ND	ND	ND	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	ND	NA	ND	ND	ND	NA	ND	**0.100**	**0.100**	**NR**
Zinc	NA	NA	0.04	NA	ND	ND	ND	NA	ND	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)												
Acetone	NA	NA	NA	NA	ND	ND	ND	NA	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	ND	ND	NA	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	ND	NA	ND	ND	NA	NA	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	NA	ND	ND	ND	NA	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	0.0033	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	0.0027	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	0.001	ND	ND	ND	ND	0.0716	0.07	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.002	0.002	0.018	0.003	0.035	0.090	0.500	0.590	0.302	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	0.0018	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	0.570	NA	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	NA	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	ND	ND	ND	NA	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.011	0.005	0.053	0.009	0.050	0.140	1.5	1.20	0.599	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	0.001	ND	ND	ND	ND	ND	ND	0.0012	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.035	0.105	0.430	0.180	0.310	0.700	0.580	0.685	0.555	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	0.110	1.04	NA	0.260	0.160	0.270	NA	ND	0.0023	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.600	2.076	1.70	0.510	0.790	1.800	4.0	3.5	2.82	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	NA	ND	ND	ND	NA	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-10
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	12/4/1986 W-13762	4/15/1987 W-17323	1/29/1992 33304-1	6/22/1993 50026-1	7/15/1994 62962-1	10/31/1995 7819201	7/16/1996 8602601	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)										
Antimony	NA	NA	NA	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	NA	ND	ND	NA	ND	**NR**	**NR**	**0.2**
Cyanide, free	NA	ND	NA	ND	ND	NA	ND	**0.200**	**0.200**	**NR**
Lead	NA	NA	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	NA	NA	NA	NA	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)										
Acetone	NA	NA	NA	NA	ND	NA	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	NA	ND	ND	NA	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	NA	NA	ND	NA	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	NA	ND	NA	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	NA	ND	ND	NA	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	NA	ND	ND	NA	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	NA	ND	ND	NA	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	NA	ND	ND	NA	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	NA	ND	ND	NA	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	NA	ND	ND	NA	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	NA	ND	ND	NA	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	NA	ND	ND	NA	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	NA	ND	ND	NA	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	NA	ND	ND	NA	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.002	ND	NA	ND	ND	NA	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	NA	ND	ND	NA	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	ND	ND	NA	ND	ND	NA	ND	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	0.001	0.025	0.030	0.470	NA	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.034	0.156	0.630	1.3	0.570	0.530	0.370	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	NA	ND	ND	NA	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	NA	ND	NA	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-10
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	10/22/1997 10066506	12/8/1998 298120377007	9/15/1999	3/27/2000	6/22/2001 183728-3	6/14/2002 210005-1	6/4/2003 236799005	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)										
Antimony	NA	NA	ND	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	ND	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	ND	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	ND	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	ND	NA	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	ND	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	NA	NA	ND	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	ND	ND	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	ND	ND	NA	**0.200**	**0.200**	**NR**
Lead	NA	NA	ND	NA	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	ND	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	ND	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	NA	NA	0.04	NA	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)										
Acetone	ND	ND	ND	NA	ND	ND	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	NA	NA	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	ND	ND	NA	ND	ND	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	0.066	0.150	NA	0.205	0.029	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	NA	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	NA	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	ND	NA	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.480	0.540	0.019	0.537	0.015	0.190	0.214	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	ND	ND	NA	ND	ND	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-12
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	5/26/1987 W-18623	10/31/1990 21862-1	2/6/1991 24064-2	4/25/1991 26065-2	1/29/1992 33304-2	6/22/1993 50026-2	7/14/1994 62961-2	10/11/1995 7825002	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)											
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	NA	NA	NA	ND	ND	NA	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	NA	NA	NA	ND	ND	NA	NA	**0.200**	**0.200**	**NR**
Lead	NA	NA	NA	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)											
Acetone	NA	NA	NA	NA	NA	NA	NA	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	ND	NA	NA	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	NA	NA	NA	NA	NA	NA	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	NA	NA	NA	NA	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	NA	NA	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	ND	NA	NA	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	ND	NA	NA	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	ND	NA	NA	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	NA	NA	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	NA	NA	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	NA	NA	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	ND	NA	NA	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	NA	NA	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	0.003	ND	ND	NA	NA	**1**	**1**	**1**
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	NA	NA	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	NA	NA	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.005	0.018	0.009	0.007	0.005	0.002	NA	NA	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	0.036	0.190	0.032	0.029	0.075	0.024	NA	NA	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	1.0	2.8	0.540	0.560	0.900	0.300	0.220	0.360	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	NA	NA	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	NA	NA	NA	NA	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
J = estimated value, below reporting limit

NR = Not Reported

MW-12
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	7/18/1996 8609101	10/23/1997 10097301	12/8/1998 298120377008	9/20/1999	4/3/2000	6/20/2001 183492-6	6/18/2002 210168-1	6/4/2003 236799006	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)											
Antimony	NA	NA	NA	ND	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	ND	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	ND	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	ND	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	NA	ND	NA	NA	NA	ND	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	ND	NA	NA	NA	ND	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	ND	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	ND	ND	ND	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	ND	ND	ND	NA	**0.200**	**0.200**	**NR**
Lead	NA	NA	NA	ND	NA	NA	NA	ND	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	ND	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	NA	0.0052	NA	NA	NA	ND	**0.100**	**0.100**	**NR**
Zinc	NA	NA	NA	0.069	NA	NA	NA	ND	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)											
Acetone	ND	ND	ND	ND	NA	ND	ND	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	ND	NA	NA	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	ND	ND	ND	NA	ND	ND	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	NA	NA	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	NA	NA	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	0.014	0.009	ND	0.06	0.032	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	NA	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	NA	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	ND	0.005	ND	0.011	ND	0.0085	0.0042	0.0024	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	ND	ND	NA	ND	0.0003 J	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.300	0.32	0.11	0.14	0.537	0.448	0.309	0.18	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	ND	ND	ND	NA	ND	ND	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
J = estimated value, below reporting limit
NR = Not Reported

MW-17
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	5/27/1987 W-18705	1/30/1992 33362-5	6/24/1993 50154-2	7/14/1994 62961-5	7/16/1996 8602602	10/22/1997 10096204	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)									
Antimony	NA	NA	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	ND	ND	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	ND	ND	**0.200**	**0.200**	**NR**
Lead	NA	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	NA	NA	NA	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)									
Acetone	NA	NA	NA	ND	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	NA	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	ND	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	NA	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	0.004	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.010	0.006	0.003	0.002	0.001	0.001	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.003	0.003	0.002	0.002	0.002	0.003	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	ND	0.001	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.254	0.160	0.170	0.140	0.099	0.12	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	ND	ND	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-17
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	12/10/1998 298120447001	9/14/1999	3/23/2000	6/20/2001 183492-2	6/11/2002 209610-3	6/3/2003 236625001	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)									
Antimony	NA	ND	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	ND	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	0.001	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	ND	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	ND	NA	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	ND	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	NA	0.013	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	ND	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	ND	NA	**0.200**	**0.200**	**NR**
Lead	NA	ND	NA	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	NA	ND	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	ND	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	NA	ND	NA	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)									
Acetone	ND	ND	NA	ND	ND	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	NA	NA	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	ND	NA	ND	ND	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	NA	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	NA	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	ND	ND	NA	0.0011	ND	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	NA	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	NA	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.07	0.063	0.075	0.072	0.076	0.0798	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	ND	ND	ND	ND	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-32D
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	10/6/1989 12936-1	10/30/1990 21863-2	2/6/1991 24064-6	4/25/1991 26065-6	1/30/1992 33362-4	11/2/1995 7829504	7/16/1996 8602605	10/22/1997 10096202	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)											
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	NA	NA	NA	ND	NA	ND	ND	**NR**	**NR**	**0.2**
Cyanide, free	ND	NA	NA	NA	ND	NA	ND	ND	**0.200**	**0.200**	**NR**
Lead	NA	NA	NA	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)											
Acetone	NA	NA	NA	NA	NA	NA	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	NA	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	NA	NA	NA	NA	NA	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	NA	NA	NA	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	NA	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	NA	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	NA	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	0.012	ND	ND	0.002	ND	NA	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.075	0.38	0.085	0.10	0.048	0.064	0.061	0.048	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.39	0.84	0.045	0.081	0.064	0.21	0.11	0.092	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	0.004	0.10	ND	ND	0.002	NA	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	NA	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	NA	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	0.006	ND	ND	ND	ND	NA	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	3.3	100	0.285	0.31	0.17	0.26	0.25	0.063	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	0.04	ND	ND	ND	NA	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.03	ND	0.02	0.076	0.082	0.26	0.23	0.078	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	ND	0.045	0.10	0.19	NA	0.031	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.37	0.12	0.33	0.82	0.83	2.70	2.70	1.0	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	NA	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	NA	NA	NA	ND	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-32D
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	12/10/1998 298120447003	9/28/1999	9/28/1999	4/6/2000	6/26/2001 183969-6	6/14/2002 210002-4	6/6/2003 237022004		ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)											
Antimony	NA	ND	ND	NA	NA	NA	NA		**0.006**	**0.006**	**0.006**
Arsenic	NA	ND	ND	NA	NA	NA	NA		**0.050**	**0.050**	**0.01**
Beryllium	NA	ND	ND	NA	NA	NA	NA		**0.004**	**0.004**	**0.004**
Cadmium	NA	ND	ND	NA	NA	NA	NA		**0.005**	**0.005**	**0.005**
Chromium, total	NA	0.031	0.03	NA	NA	NA	ND		**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	ND	ND	NA	NA	NA	ND		**0.100**	**0.100**	**NR**
Copper	NA	ND	ND	NA	NA	NA	NA		**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	ND	ND	NA		**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	ND	ND	NA		**0.200**	**0.200**	**NR**
Lead	NA	ND	ND	NA	NA	NA	ND		**0.005**	**0.005**	**0.0015**
Mercury	NA	ND	ND	NA	NA	NA	NA		**0.002**	**0.002**	**0.002**
Nickel	NA	0.028	0.03	NA	NA	NA	ND		**0.100**	**0.100**	**NR**
Zinc	NA	ND	0.04	NA	NA	NA	ND		**2**	**2**	**NR**
Detected Volatile Organics (mg/L)											
Acetone	ND	ND	ND	NA	ND	ND	NA		**3.7**	**10**	**NR**
Benzene	ND	ND	ND	NA	ND	ND	ND		**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	NA	NA	NA	ND	ND	ND		**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	ND	ND	NA	ND	ND	NA		**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND		**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	NA	NA	NA	ND	ND	ND		**0.1**	**0.1**	**NR**
Chloroethane	ND	NA	NA	NA	ND	ND	ND		**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	ND	ND		**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.044	ND	ND	0.0558	0.098	0.020	0.0158		**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.160	0.13	0.12	0.153	0.086	0.0360	0.0229		**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	0.0018	ND	ND		**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	0.620	0.80	0.77	NA	0.295	0.239	NA		**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	NA	ND	ND	ND		**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND		**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	NA	ND	ND	ND		**1**	**1**	**1**
1,1,1-Trichloroethane	0.098	0.096	0.09	0.0858	0.025	0.021	0.0204		**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND		**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.130	0.1	0.093	0.0778	0.032	0.075	0.0644		**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	NA	NA	ND	0.0045	ND	0.0052		**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	2.40	1.6	1.5	1.20	0.343	0.847	0.292		**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	0.0539	0.892	0.036	0.0511		**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	ND	ND	NA	ND	ND	NA		**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-32S
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	10/5/1989 12921-1	10/30/1990 21863-1	2/6/1991 24064-4	4/25/1991 26065-5	1/31/1992 33374-4	11/2/1995 7829505	7/16/1996 8602604	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)										
Antimony	NA	NA	NA	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	NA	NA	NA	ND	NA	ND	**NR**	**NR**	**0.2**
Cyanide, free	ND	NA	NA	NA	ND	NA	ND	**0.200**	**0.200**	**NR**
Lead	NA	NA	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	NA	NA	NA	NA	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)										
Acetone	NA	NA	NA	NA	NA	NA	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	NA	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	NA	NA	NA	NA	NA	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	NA	NA	NA	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	NA	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	NA	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	NA	ND	**0.23**	**0.9**	**NR**
Chloroform	0.015	0.01	0.015	0.005	0.006	NA	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.15	0.19	0.27	0.23	0.12	0.07	0.035	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.85	0.58	1.40	1.20	0.65	0.26	0.098	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	0.005	0.01	0.015	0.005	0.012	NA	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	NA	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	NA	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	0.015	ND	ND	ND	NA	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	7.30	5.40	11.0	9.50	4.80	0.94	0.64	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	0.010	ND	ND	NA	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.075	0.015	0.035	0.21	0.15	0.15	0.15	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	0.03	0.045	0.14	0.11	NA	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.355	0.13	0.235	1.0	0.72	0.46	0.93	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	NA	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	NA	NA	NA	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-32S
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	10/21/1997 10092001	12/10/1998 298120447002	9/29/1999	4/6/2000	6/25/2001 183854-6	6/14/2002 210002-1	6/5/2003 236925004	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)										
Antimony	NA	NA	ND	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	ND	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	0.0017	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	0.0014	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	0.017	NA	NA	NA	0.016	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	0.02	NA	NA	NA	0.01	**0.100**	**0.100**	**NR**
Copper	NA	NA	0.0057	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	ND	ND	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	ND	ND	NA	**0.200**	**0.200**	**NR**
Lead	NA	NA	0.01	NA	NA	NA	ND	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	ND	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	0.0068	NA	NA	NA	ND	**0.100**	**0.100**	**NR**
Zinc	NA	NA	ND	NA	NA	NA	ND	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)										
Acetone	ND	ND	ND	NA	ND	ND	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	NA	NA	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	ND	ND	NA	ND	ND	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	NA	NA	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	NA	NA	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	0.0014	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.036	0.033	0.024	0.0292	0.039	0.126	0.0468	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.078	0.063	0.032	0.0528	0.044	ND	0.0036	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	0.310	0.074	NA	0.124	0.0016	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	NA	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	NA	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.260	0.130	0.32	0.331	0.279	0.0042	0.0069	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	ND	ND	0.027	0.047	0.057	ND	ND	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	ND	NA	ND	0.0014	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.043	0.0071	0.30	0.58	0.497	0.001	0.0152	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	0.014	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	ND	ND	NA	ND	ND	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-34D
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	7/19/1989 11299-4	10/30/1990 21863-4	2/6/1991 24064-5	4/25/1991 26065-7	1/31/1992 33374-5	9/28/1999	9/28/1999	4/5/2000	6/13/2002 209854-2	6/4/2003 236798002	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)													
Antimony	NA	NA	NA	NA	NA	ND	ND	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	NA	ND	ND	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	NA	ND	ND	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	NA	ND	ND	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	NA	NA	NA	0.0094	0.0092	NA	NA	ND	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	0.01	ND	NA	NA	ND	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	NA	ND	ND	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	NA	NA	NA	ND	ND	ND	ND	ND	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	NA	NA	NA	ND	ND	ND	ND	ND	NA	**0.200**	**0.200**	**NR**
Lead	NA	NA	NA	NA	NA	ND	ND	NA	NA	ND	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	NA	0.053	ND	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	NA	NA	NA	ND	ND	NA	NA	ND	**0.100**	**0.100**	**NR**
Zinc	NA	NA	NA	NA	NA	ND	ND	NA	NA	ND	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)													
Acetone	NA	NA	NA	NA	NA	ND	ND	NA	ND	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	0.003	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	NA	NA	ND	ND	NA	ND	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	0.014	0.014	0.01	0.009	0.007	ND	ND	0.00186	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.008	0.016	0.008	0.009	0.006	ND	ND	0.00287	0.0029	0.0031	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.038	0.032	0.017	0.013	0.004	0.013	0.1	0.0117	ND	0.0026	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	0.001	0.001	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	0.12	0.12	NA	0.0067	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	0.004	ND	ND	ND	ND	ND	NA	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.22	0.34	0.13	0.11	0.015	0.019	0.017	0.0138	ND	0.0017	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.102	0.028	0.18	0.039	0.066	0.097	0.083	0.118	0.0027	0.0186	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	0.039	0.058	0.035	0.10	NA	NA	ND	ND	0.001	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.43	0.11	0.29	0.10	0.09	0.29	0.28	0.306	0.0084	0.0685	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0048	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	NA	NA	ND	ND	NA	ND	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-34S
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	7/19/1989 11299-3	1/30/1992 33362-1	6/30/1993 50281-1	7/15/1994 62962-2	11/2/1995 7829508	7/17/1996 8606303	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)									
Antimony	NA	NA	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	NA	ND	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	NA	ND	**0.200**	**0.200**	**NR**
Lead	NA	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	NA	NA	NA	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)									
Acetone	NA	NA	NA	ND	NA	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	NA	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	0.006	NA	NA	ND	NA	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	ND	NA	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	NA	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	NA	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	NA	ND	**0.23**	**0.9**	**NR**
Chloroform	0.032	0.006	ND	ND	0.006	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	0.003	ND	ND	0.002	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.002	0.004	ND	ND	0.005	0.006	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	NA	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	NA	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	NA	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	NA	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.024	0.037	0.04	0.08	0.025	0.022	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	NA	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.005	0.21	0.63	0.16	0.12	0.15	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	0.055	0.14	0.06	NA	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.013	0.17	0.49	0.018	0.15	0.24	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	NA	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	ND	NA	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-34S
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	10/21/1997 10092002	12/11/1998 298120447011	9/14/1999	3/24/2000	6/12/2002 209746-2	6/4/2003 236798003	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)									
Antimony	NA	NA	ND	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	ND	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	ND	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	ND	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	0.0071	NA	NA	ND	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	ND	NA	NA	ND	**0.100**	**0.100**	**NR**
Copper	NA	NA	ND	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	ND	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	ND	NA	**0.200**	**0.200**	**NR**
Lead	NA	NA	ND	NA	NA	ND	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	ND	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	ND	NA	NA	ND	**0.100**	**0.100**	**NR**
Zinc	NA	NA	0.02	NA	NA	ND	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)									
Acetone	ND	ND	ND	NA	ND	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	NA	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	NA	NA	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	ND	ND	NA	ND	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	NA	NA	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	NA	NA	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	0.00151	0.0045	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	0.00104	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.008	0.0077	0.001	0.0029	0.0023	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	0.052	0.01	NA	0.019	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	NA	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	NA	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.019	0.016	0.005	0.00607	0.0034	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.220	0.120	0.04	0.114	0.077	0.0055	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	ND	NA	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.280	0.290	0.085	0.125	0.082	0.0095	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	ND	ND	NA	ND	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-35D
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	7/19/1989 11299-5	2/28/1991 24605-5	11/2/1995 7829507	7/17/1996 8606304	10/21/1997 10092003	12/11/1998 298120447017	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)									
Antimony	NA	NA	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	NA	NA	ND	ND	ND	**NR**	**NR**	**0.2**
Cyanide, free	ND	NA	NA	ND	ND	ND	**0.200**	**0.200**	**NR**
Lead	NA	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	NA	NA	NA	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)									
Acetone	NA	NA	NA	ND	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	NA	NA	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	ND	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	NA	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	NA	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	0.009	0.007	0.009	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.004	0.007	0.005	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.015	0.010	0.011	0.006	0.008	0.0083	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	0.073	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	NA	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	NA	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.06	0.048	0.049	0.016	0.015	0.011	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.03	0.08	0.069	0.053	0.090	0.056	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	0.059	NA	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.38	0.20	0.14	0.15	0.280	0.290	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	NA	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	ND	ND	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-35D
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	9/29/1999	4/4/2000	6/21/2001 183596-6	6/12/2002 209746-5	6/5/2003 236924001		ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)									
Antimony	ND	NA	NA	NA	NA		**0.006**	**0.006**	**0.006**
Arsenic	ND	NA	NA	NA	NA		**0.050**	**0.050**	**0.01**
Beryllium	ND	NA	NA	NA	NA		**0.004**	**0.004**	**0.004**
Cadmium	ND	NA	NA	NA	NA		**0.005**	**0.005**	**0.005**
Chromium, total	ND	NA	NA	NA	NA		**0.100**	**0.100**	**0.1**
Chromium, hexavalent	ND	NA	NA	NA	NA		**0.100**	**0.100**	**NR**
Copper	0.0076	NA	NA	NA	NA		**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	NA		**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	NA		**0.200**	**0.200**	**NR**
Lead	ND	NA	NA	NA	NA		**0.005**	**0.005**	**0.0015**
Mercury	ND	NA	NA	NA	NA		**0.002**	**0.002**	**0.002**
Nickel	0.0098	NA	NA	NA	NA		**0.100**	**0.100**	**NR**
Zinc	0.04	NA	NA	NA	NA		**2**	**2**	**NR**
Detected Volatile Organics (mg/L)									
Acetone	ND	NA	ND	ND	NA		**3.7**	**10**	**NR**
Benzene	ND	NA	ND	ND	ND		**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	ND	ND	ND		**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	NA	ND	ND	NA		**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND		**0.005**	**0.005**	**0.005**
Chlorobenzene	NA	NA	ND	ND	ND		**0.1**	**0.1**	**NR**
Chloroethane	NA	NA	ND	ND	ND		**0.23**	**0.9**	**NR**
Chloroform	ND	0.00116	0.0013	0.001	0.0013		**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	0.00193	0.0023	0.0012	0.0021		**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.006	0.00475	0.0058	0.0028	0.0057		**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND		**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	0.063	NA	0.051	0.030	NA		**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	NA	ND	ND	ND		**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	0.0023	ND		**0.005**	**0.005**	**0.005**
Toluene	ND	NA	ND	ND	ND		**1**	**1**	**1**
1,1,1-Trichloroethane	0.007	0.00546	0.0045	0.0023	0.0036		**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND		**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.051	0.0361	0.056	0.021	0.0339		**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	ND	ND	ND	ND		**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.17	0.128	0.190	0.088	0.188		**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND		**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	NA	ND	ND	NA		**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-37D
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	1/26/1990 15079-1	4/3/1990 16626-4	1/30/1992 33362-6	6/24/1993 50154-3	4/28/1994 60167-3	7/12/1994 62785-1	10/27/1995 7814401	7/15/1996 8598502	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)											
Antimony	ND	ND	NA	NA	ND	ND	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	ND	ND	NA	NA	ND	ND	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	ND	ND	NA	NA	ND	ND	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	ND	ND	NA	NA	ND	ND	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	ND	ND	NA	NA	ND	0.02	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	ND	ND	NA	NA	ND	ND	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	NA	ND	ND	ND	ND	ND	ND	**NR**	**NR**	**0.2**
Cyanide, free	ND	NA	ND	ND	ND	ND	ND	ND	**0.200**	**0.200**	**NR**
Lead	ND	ND	NA	NA	ND	ND	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	ND	ND	NA	NA	ND	ND	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	ND	ND	NA	NA	ND	ND	NA	NA	**0.100**	**0.100**	**NR**
Zinc	0.02	0.04	NA	NA	ND	ND	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)											
Acetone	NA	NA	NA	NA	ND	ND	NA	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	NA	NA	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	NA	ND	ND	NA	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	0.017	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	0.007	0.005	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.015	0.01	0.009	ND	0.02	ND	0.039	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.021	0.014	0.004	ND	0.01	ND	0.20	0.23	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	0.001	0.001	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.21	0.13	0.11	0.05	1.00	3.20	1.70	2.10	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	1.90	0.35	0.47	0.72	0.43	27.0	20.0	21.0	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	NA	0.077	0.08	0.14	ND	NA	NA	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.54	0.16	0.10	0.23	0.28	7.60	6.0	7.50	**0.005**	**0.005**	**0.005**
Vinyl Chloride	0.005	ND	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	NA	ND	ND	NA	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-37D
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	10/20/1997 10087202	12/14/1998 298120511002	9/17/1999	4/7/2000	4/7/2000	6/26/2001 183969-7	6/19/2002 210273-2	6/6/2003 237022003	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)											
Antimony	NA	NA	ND	NA	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	ND	NA	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	ND	NA	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	ND	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	ND	NA	NA	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	ND	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	NA	NA	ND	NA	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	NA	ND	ND	ND	ND	ND	ND	NA	**NR**	**NR**	**0.2**
Cyanide, free	NA	ND	ND	ND	ND	ND	ND	NA	**0.200**	**0.200**	**NR**
Lead	NA	NA	ND	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	ND	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	ND	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	NA	NA	0.021	NA	NA	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)											
Acetone	ND	ND	ND	NA	NA	ND	ND	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	NA	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	NA	NA	NA	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	ND	ND	NA	NA	ND	ND	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	NA	NA	NA	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	NA	NA	NA	0.0029	0.001	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.028	0.018	ND	0.0217	ND	0.035	0.015	0.011	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.075	0.042	ND	0.0965	0.0552	0.136	0.043	0.0207	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	0.260	ND	NA	NA	0.689	0.259	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	NA	NA	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	NA	NA	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.760	0.460	ND	0.866	0.310	1.22	0.332	0.262	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	1.80	1.90	ND	7.04	11.5	10.50	1.960	1.25	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	ND	NA	ND	ND	0.0044	0.0015	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	1.70	0.760	1.2	2.59	5.06	4.820	1.010	0.485	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	0.017	ND	0.0269	ND	0.033	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	ND	ND	NA	NA	ND	ND	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-37S
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	1/26/1990 15079-2	4/3/1990 16626-3	1/31/1992 33374-6	4/28/1994 60204-3	7/12/1994 62785-2	10/27/1995 7814310	7/15/1996 8598501	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)										
Antimony	ND	ND	NA	ND	ND	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	0.81	ND	NA	ND	ND	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	0.06	ND	NA	ND	ND	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	44.03	ND	NA	ND	ND	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	0.78	ND	NA	ND	0.02	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	1.49	ND	NA	ND	ND	NA	NA	**1**	**1**	**1.3**
Cyanide, total	0.025	NA	ND	ND	ND	ND	ND	**NR**	**NR**	**0.2**
Cyanide, free	0.01	NA	ND	ND	ND	ND	ND	**0.200**	**0.200**	**NR**
Lead	0.99	ND	NA	ND	ND	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	0.0024	ND	NA	ND	ND	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	1.3	ND	NA	ND	ND	NA	NA	**0.100**	**0.100**	**NR**
Zinc	4	0.04	NA	ND	ND	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)										
Acetone	NA	NA	NA	ND	ND	NA	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	0.007	NA	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	ND	ND	NA	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	0.003	ND	0.016	0.08	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	0.004	0.003	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	0.004	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.032	0.033	0.021	0.04	0.08	0.01	0.003	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.018	0.011	0.03	ND	0.02	0.006	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	0.002	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	0.023	ND	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	0.002	ND	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.82	0.55	0.88	1.20	1.80	0.073	0.023	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	3.30	2.40	4.10	2.60	2.70	0.22	0.097	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	NA	0.58	0.28	0.32	NA	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.64	0.37	0.51	0.28	0.40	0.064	0.02	**0.005**	**0.005**	**0.005**
Vinyl Chloride	0.023	ND	0.028	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	ND	ND	NA	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-37S
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	10/20/1997 10087201	12/14/1998 298120511001	9/22/1999	4/3/2000	6/25/2001 183854-4	6/12/2002 209745-5	6/3/2003 236625003	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)										
Antimony	NA	NA	ND	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	ND	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	ND	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	ND	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	ND	NA	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	ND	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	NA	NA	ND	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	NA	ND	ND	ND	ND	ND	NA	**NR**	**NR**	**0.2**
Cyanide, free	NA	ND	ND	ND	ND	ND	NA	**0.200**	**0.200**	**NR**
Lead	NA	NA	ND	NA	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	ND	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	ND	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	NA	NA	ND	NA	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)										
Acetone	ND	ND	ND	NA	ND	ND	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	NA	NA	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	ND	ND	NA	ND	ND	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	NA	NA	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	NA	NA	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	0.0012	0.001	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.007	0.013	0.006	ND	0.0052	0.0048	0.0017	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.003	0.0085	0.004	ND	0.0025	0.0012	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	0.160	0.11	NA	0.165	0.121	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	NA	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	NA	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.074	0.280	0.14	0.0963	0.110	0.071	0.0199	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.280	0.620	0.89	0.680	1.020	1.010	0.117	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	ND	NA	ND	0.0013	0.014	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.550	0.190	0.13	0.0944	0.122	0.102	0.0203	**0.005**	**0.005**	**0.005**
Vinyl Chloride	0.004	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	ND	ND	NA	ND	ND	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-38D
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	1/26/1990 15079-3	4/3/1990 16626-6	1/31/1992 33375-3	4/28/1994 60167-4	7/11/1994 62787-2	10/31/1995 7819203	7/15/1996 8598506	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)										
Antimony	ND	ND	NA	ND	ND	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	0.51	ND	NA	ND	ND	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	0.051	ND	NA	ND	ND	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	0.03	ND	NA	ND	ND	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	0.95	ND	NA	ND	ND	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	1.1	ND	NA	ND	ND	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	NA	ND	ND	ND	NA	ND	**NR**	**NR**	**0.2**
Cyanide, free	ND	NA	ND	ND	ND	NA	ND	**0.200**	**0.200**	**NR**
Lead	0.77	ND	NA	ND	ND	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	0.0046	ND	NA	ND	ND	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	1.4	ND	NA	ND	ND	NA	NA	**0.100**	**0.100**	**NR**
Zinc	6.6	0.06	NA	ND	ND	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)										
Acetone	NA	NA	NA	ND	ND	NA	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	NA	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	NA	ND	ND	NA	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	ND	ND	NA	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	NA	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	NA	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	NA	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	NA	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.006	0.004	0.001	ND	0.02	0.05	0.011	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.002	0.001	0.002	ND	ND	NA	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	NA	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	NA	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	NA	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	ND	NA	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.011	0.008	0.022	0.04	0.23	0.22	0.049	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	NA	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.19	0.066	0.004	ND	ND	0.095	0.022	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	NA	0.31	0.25	0.17	NA	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	1.20	0.53	0.029	0.24	0.36	1.20	0.23	**0.005**	**0.005**	**0.005**
Vinyl Chloride	0.025	0.019	ND	0.03	ND	NA	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	ND	ND	NA	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
J = Estimated value, below detection limit

NR = Not Reported

MW-38D
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	10/20/1997 10087204	12/14/1998 298120511004	9/20/1999	3/29/2000	6/19/2001 183330-6	6/12/2002 209745-3	6/3/2003 236625004	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)										
Antimony	NA	NA	ND	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	ND	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	ND	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	ND	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	0.012	NA	NA	NA	ND	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	0.0078	NA	NA	NA	ND	**0.100**	**0.100**	**NR**
Copper	NA	NA	ND	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	NA	ND	ND	ND	ND	ND	NA	**NR**	**NR**	**0.2**
Cyanide, free	NA	ND	ND	ND	ND	ND	NA	**0.200**	**0.200**	**NR**
Lead	NA	NA	0.0054	NA	NA	NA	ND	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	ND	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	0.011	NA	NA	NA	ND	**0.100**	**0.100**	**NR**
Zinc	NA	NA	0.12	NA	NA	NA	ND	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)										
Acetone	ND	ND	ND	NA	ND	ND	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	NA	NA	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	ND	ND	NA	ND	ND	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	NA	NA	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	NA	NA	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	0.0009 J	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.013	0.013	ND	0.00170	0.0028	0.0019	0.002	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	ND	0.0014	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	0.240	0.091	NA	0.036	0.014	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	NA	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	NA	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.039	0.016	ND	0.00322	0.004	ND	0.0016	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.013	ND	0.079	0.00197	0.0029	ND	0.0041	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	ND	NA	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.220	ND	0.017	0.0357	0.118	0.015	0.0501	**0.005**	**0.005**	**0.005**
Vinyl Chloride	0.010	0.110	ND	ND	0.0009 J	ND	0.0022	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	ND	ND	NA	ND	ND	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
J = Estimated value, below detection limit

NR = Not Reported

MW-39D
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	2/22/1990 15698-1	4/3/1990 16626-7	1/31/1992 33374-8	4/29/1994 60204-1	7/12/1994 62785-3	11/1/1995 7825003	7/15/1996 8598504	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)										
Antimony	ND	ND	NA	ND	ND	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	0.078	ND	NA	ND	ND	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	ND	ND	NA	ND	ND	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	ND	ND	NA	ND	ND	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	0.08	ND	NA	ND	ND	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	0.14	ND	NA	ND	ND	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	NA	ND	ND	ND	NA	ND	**NR**	**NR**	**0.2**
Cyanide, free	ND	NA	ND	ND	ND	NA	ND	**0.200**	**0.200**	**NR**
Lead	0.2	ND	NA	ND	ND	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	0.006	ND	NA	ND	ND	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	0.13	ND	NA	ND	ND	NA	NA	**0.100**	**0.100**	**NR**
Zinc	0.69	0.05	NA	ND	ND	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)										
Acetone	NA	NA	NA	ND	ND	NA	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	NA	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	NA	ND	ND	NA	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	ND	ND	NA	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	NA	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	NA	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	NA	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	NA	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	0.001	ND	ND	ND	NA	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.001	0.002	ND	0.025	ND	NA	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	NA	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	NA	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	NA	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	ND	NA	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.007	0.01	0.004	0.05	0.04	NA	0.009	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	NA	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.015	0.02	0.008	0.150	0.08	0.01	0.017	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	NA	1.70	2.60	2.70	NA	NA	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	2.30	2.40	1.20	3.20	2.70	0.30	0.54	**0.005**	**0.005**	**0.005**
Vinyl Chloride	0.002	0.003	ND	ND	ND	NA	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	ND	ND	NA	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-39D
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	10/20/1997 10087205	12/11/1998 298120447014	9/20/1999	3/30/2000	6/25/2001 183854-2	6/12/2002 209745-8	6/5/2003 236924004	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)										
Antimony	NA	NA	ND	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	ND	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	ND	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	ND	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	0.012	NA	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	ND	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	NA	NA	0.0075	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	NA	ND	ND	ND	ND	ND	NA	**NR**	**NR**	**0.2**
Cyanide, free	NA	ND	ND	ND	ND	ND	NA	**0.200**	**0.200**	**NR**
Lead	NA	NA	ND	NA	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	ND	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	0.02	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	NA	NA	0.13	NA	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)										
Acetone	ND	ND	ND	NA	ND	ND	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	NA	NA	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	ND	ND	NA	ND	ND	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	NA	NA	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	NA	NA	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.002	ND	ND	0.00147	0.0017	0.0013	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	0.00259	0.002	0.0019	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	0.092	0.10	NA	0.185	0.129	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	NA	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	NA	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.001	ND	ND	0.00620	0.005	0.0032	0.0018	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.003	0.0057	0.028	0.118	0.048	0.033	0.0301	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	ND	NA	0.00185	0.0038	0.0011	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.110	0.120	0.17	0.732	0.478	0.335	0.193	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	ND	ND	NA	ND	ND	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-39S
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	2/5/1990 15279-1	4/3/1990 16626-8	1/31/1992 33374-7	4/28/1994 60204-2	7/12/1994 62785-4	11/1/1995 7825004	7/15/1996 8598503	6/2/2003 236548002	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)											
Antimony	ND	ND	NA	ND	ND	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	ND	ND	NA	ND	ND	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	ND	ND	NA	ND	0.008	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	ND	ND	NA	ND	ND	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	ND	ND	NA	ND	0.17	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	0.01	0.02	NA	ND	0.22	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	NA	NA	ND	ND	ND	NA	ND	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	ND	NA	ND	NA	**0.200**	**0.200**	**NR**
Lead	ND	ND	NA	ND	0.24	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	ND	ND	NA	ND	0.0006	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	ND	ND	NA	ND	0.11	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	0.07	0.06	NA	ND	0.77	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)											
Acetone	NA	NA	NA	ND	ND	NA	ND	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	NA	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	NA	ND	ND	NA	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	ND	ND	NA	ND	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	NA	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	NA	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	NA	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	0.007	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	0.002	ND	ND	NA	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	0.002	0.005	ND	NA	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	NA	NA	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	NA	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	NA	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	ND	NA	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.005	0.001	0.009	0.015	ND	0.007	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	NA	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.008	0.003	0.041	0.035	0.04	0.038	0.008	0.0098	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	NA	4.20	0.32	0.93	NA	NA	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.99	0.13	3.50	0.44	0.88	0.31	0.17	0.0509	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	NA	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	ND	ND	NA	ND	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-40D
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	2/5/1990 15279-3	10/24/1995 7798403	12/10/1998 298120447005	9/15/1999	3/20/2000	6/20/2001 183492-1	6/11/2002 209609-4	6/5/2003 236924009	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)											
Antimony	ND	NA	NA	ND	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	0.16	NA	NA	ND	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	0.022	NA	NA	ND	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	ND	NA	NA	ND	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	0.25	NA	NA	ND	NA	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	ND	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	0.37	NA	NA	ND	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	ND	ND	ND	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	ND	ND	ND	NA	**0.200**	**0.200**	**NR**
Lead	0.58	NA	NA	0.0055	NA	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	0.0008	NA	NA	ND	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	0.41	NA	NA	ND	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	1.3	NA	NA	0.025	NA	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)											
Acetone	NA	NA	ND	ND	NA	ND	ND	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	ND	ND	NA	NA	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	ND	ND	NA	ND	ND	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	NA	NA	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	NA	NA	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	0.005	0.01	0.0014	0.003	0.0051	0.0018	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	ND	0.00182	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	0.002	ND	0.0025	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	0.004	0.02	NA	0.017	0.0027	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	NA	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	0.0022	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	NA	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	ND	0.003	ND	0.006	0.00298	0.0041	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.002	0.002	ND	0.002	0.00206	0.003	ND	ND	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	0.009	NA	ND	NA	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.051	0.092	0.026	0.078	0.0631	0.097	0.015	0.0032	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	ND	ND	NA	ND	ND	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-40S
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	2/5/1990 15279-2	10/30/1995 7816201	12/10/1998 298120447004	9/21/1999	3/30/2000	6/19/2001 183330-9	6/11/2002 209609-3	6/2/2003 236549002	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)											
Antimony	ND	NA	NA	ND	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	ND	NA	NA	ND	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	ND	NA	NA	ND	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	ND	NA	NA	ND	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	ND	NA	NA	0.04	NA	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	ND	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	ND	NA	NA	ND	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	ND	ND	ND	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	ND	ND	ND	NA	**0.200**	**0.200**	**NR**
Lead	ND	NA	NA	ND	NA	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	ND	NA	NA	ND	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	ND	NA	NA	0.046	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	0.03	NA	NA	0.038	NA	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)											
Acetone	NA	NA	ND	ND	NA	ND	ND	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	ND	ND	NA	NA	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	ND	ND	NA	ND	ND	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	NA	NA	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	NA	NA	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	0.006	ND	ND	ND	ND	0.0002 J	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	0.006	ND	0.0017	0.0012	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	0.014	0.00	NA	0.0077	0.011	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	NA	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	NA	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	ND	0.004	ND	0.007	ND	0.0023	0.0024	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	0.0003 J	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	ND	0.002	ND	0.001	ND	0.0015	0.0021	ND	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	0.003	NA	ND	NA	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.022	0.064	0.052	0.012	0.00232	0.044	0.057	0.0066	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	ND	ND	NA	ND	ND	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
J = estimated value, below reporting limit
NR = Not Reported

MW-43D
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	2/22/1990 15698-2	1/29/1992 33304-8	6/23/1993 50069-2	7/14/1994 62961-3	10/25/1995 7803606	12/10/1998 298120447009	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)									
Antimony	ND	NA	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	0.061	NA	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	0.023	NA	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	ND	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	0.08	NA	NA	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	0.29	NA	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	ND	ND	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	ND	ND	**0.200**	**0.200**	**NR**
Lead	0.63	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	ND	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	0.42	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	1	NA	NA	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)									
Acetone	NA	NA	NA	ND	NA	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	NA	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	ND	NA	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	0.021	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.002	ND	0.001	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.009	ND	0.014	ND	0.015	0.0093	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	0.022	0.001	0.024	ND	NA	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.83	0.056	0.69	0.67	0.81	0.580	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	ND	NA	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-43D
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	9/17/1999	4/6/2000	6/22/2001 183728-5	6/13/2002 209854-1	6/5/2003 236925003		ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)									
Antimony	ND	NA	NA	NA	NA		**0.006**	**0.006**	**0.006**
Arsenic	ND	NA	NA	NA	NA		**0.050**	**0.050**	**0.01**
Beryllium	ND	NA	NA	NA	NA		**0.004**	**0.004**	**0.004**
Cadmium	ND	NA	NA	NA	NA		**0.005**	**0.005**	**0.005**
Chromium, total	ND	NA	NA	NA	ND		**0.100**	**0.100**	**0.1**
Chromium, hexavalent	ND	NA	NA	NA	ND		**0.100**	**0.100**	**NR**
Copper	ND	NA	NA	NA	NA		**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	NA		**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	NA		**0.200**	**0.200**	**NR**
Lead	ND	NA	NA	NA	ND		**0.005**	**0.005**	**0.0015**
Mercury	ND	NA	NA	NA	NA		**0.002**	**0.002**	**0.002**
Nickel	ND	NA	NA	NA	ND		**0.100**	**0.100**	**NR**
Zinc	0.029	NA	NA	NA	ND		**2**	**2**	**NR**
Detected Volatile Organics (mg/L)									
Acetone	ND	NA	ND	ND	NA		**3.7**	**10**	**NR**
Benzene	ND	NA	ND	ND	ND		**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	ND	ND	ND		**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	NA	ND	ND	NA		**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND		**0.005**	**0.005**	**0.005**
Chlorobenzene	NA	NA	ND	ND	ND		**0.1**	**0.1**	**NR**
Chloroethane	NA	NA	ND	ND	ND		**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND		**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	ND	ND		**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	ND	ND		**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND		**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	0.02	NA	0.021	0.013	NA		**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	NA	ND	ND	ND		**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND		**0.005**	**0.005**	**0.005**
Toluene	ND	NA	ND	ND	ND		**1**	**1**	**1**
1,1,1-Trichloroethane	ND	ND	ND	ND	ND		**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND		**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.008	0.00521	0.010	0.0066	0.0067		**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	ND	ND	ND	ND		**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.38	0.377	0.439	0.301	0.321		**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND		**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	NA	ND	ND	NA		**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-43S
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	2/22/1990 15698-3	1/29/1992 33304-7	6/23/1993 50069-1	7/13/1994 62834-5	10/25/1995 7803605	12/10/1998 298120447008	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)									
Antimony	ND	NA	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	0.19	NA	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	0.04	NA	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	ND	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	0.14	NA	NA	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	0.74	NA	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	0.006	ND	ND	ND	ND	ND	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	ND	ND	**0.200**	**0.200**	**NR**
Lead	1.2	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	0.008	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	0.94	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	1.8	NA	NA	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)									
Acetone	NA	NA	NA	ND	NA	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	NA	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	ND	NA	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	ND	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	ND	ND	ND	ND	0.001	ND	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	ND	ND	ND	NA	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.001	0.011	0.003	0.002	0.003	0.0018	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	ND	NA	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-43S
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	9/17/1999	3/22/2000	6/19/2001 183330-2	6/11/2002 209609-1	6/2/2003 236549001		ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)									
Antimony	ND	NA	NA	NA	NA		0.006	0.006	0.006
Arsenic	ND	NA	NA	NA	NA		0.050	0.050	0.01
Beryllium	ND	NA	NA	NA	NA		0.004	0.004	0.004
Cadmium	ND	NA	NA	NA	NA		0.005	0.005	0.005
Chromium, total	ND	NA	NA	NA	ND		0.100	0.100	0.1
Chromium, hexavalent	ND	NA	NA	NA	ND		0.100	0.100	NR
Copper	ND	NA	NA	NA	NA		1	1	1.3
Cyanide, total	ND	ND	ND	ND	NA		NR	NR	0.2
Cyanide, free	ND	ND	ND	ND	NA		0.200	0.200	NR
Lead	ND	NA	NA	NA	ND		0.005	0.005	0.0015
Mercury	ND	NA	NA	NA	NA		0.002	0.002	0.002
Nickel	ND	NA	NA	NA	ND		0.100	0.100	NR
Zinc	0.086	NA	NA	NA	ND		2	2	NR
Detected Volatile Organics (mg/L)									
Acetone	ND	NA	ND	ND	NA		3.7	10	NR
Benzene	ND	NA	ND	ND	ND		0.005	0.005	0.005
Bromodichloromethane	NA	NA	ND	ND	ND		0.1	0.1	0.08
Carbon Disulfide	ND	NA	ND	ND	NA		1.9	4.1	NR
Carbon Tetrachloride	ND	ND	ND	ND	ND		0.005	0.005	0.005
Chlorobenzene	NA	NA	ND	ND	ND		0.1	0.1	NR
Chloroethane	NA	NA	ND	ND	ND		0.23	0.9	NR
Chloroform	ND	ND	ND	ND	ND		0.1	0.1	0.08
1,1-Dichloroethane	ND	ND	ND	ND	ND		0.027	0.11	NR
1,1-Dichloroethene	ND	ND	ND	ND	ND		0.007	0.007	0.007
1,2-Dichloroethane	ND	ND	ND	ND	ND		0.005	0.005	0.005
cis-1,2-Dichloroethene	ND	NA	ND	ND	NA		0.07	0.07	0.07
Ethylbenzene	ND	NA	ND	ND	ND		0.7	0.7	0.7
Methylene Chloride	ND	ND	ND	ND	ND		0.005	0.005	0.005
Toluene	ND	NA	ND	ND	ND		1	1	1
1,1,1-Trichloroethane	ND	ND	ND	ND	ND		0.2	0.2	0.2
1,1,2-Trichloroethane	ND	ND	ND	ND	ND		0.005	0.005	0.005
Tetrachloroethene (PCE)	ND	ND	ND	ND	ND		0.005	0.005	0.005
trans-1,2-Dichloroethene	NA	ND	ND	ND	ND		0.1	0.1	0.1
Trichloroethene (TCE)	0.001	ND	ND	ND	ND		0.005	0.005	0.005
Vinyl Chloride	ND	ND	ND	ND	ND		0.002	0.002	0.002
Xylenes (Total)	ND	NA	ND	ND	NA		10	10	10

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-47
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	5/17/1990 17670-3	3/24/1995	9/29/1999	3/31/2000	6/5/2003 236924005	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)								
Antimony	ND	ND	ND	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	ND	ND	ND	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	ND	ND	ND	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	ND	ND	ND	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	2.5	4.0	2.5	NA	2.33	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	4.4	3.0	NA	1.79	**0.100**	**0.100**	**NR**
Copper	ND	ND	ND	NA	NA	**1**	**1**	**1.3**
Cyanide, total	0.031	ND	ND	ND	NA	**NR**	**NR**	**0.2**
Cyanide, free	0.014	ND	ND	ND	NA	**0.200**	**0.200**	**NR**
Lead	ND	ND	ND	NA	ND	**0.005**	**0.005**	**0.0015**
Mercury	ND	ND	ND	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	0.088	ND	ND	NA	ND	**0.100**	**0.100**	**NR**
Zinc	0.044	ND	ND	NA	ND	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)								
Acetone	NA	NA	ND	NA	NA	**3.7**	**10**	**NR**
Benzene	ND	NA	ND	NA	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	NA	NA	NA	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	ND	NA	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	NA	NA	NA	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	NA	NA	NA	ND	**0.23**	**0.9**	**NR**
Chloroform	0.002	NA	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.005	NA	ND	ND	0.005	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.006	NA	0.009	ND	0.0467	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	0.075	NA	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	NA	ND	NA	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	NA	ND	NA	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.010	NA	ND	ND	0.0361	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.061	NA	0.15	0.108	0.0645	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	NA	NA	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.028	NA	0.20	0.0297	0.154	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	NA	ND	ND	0.0024	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	ND	NA	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-51D
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	11/1/1991 31032-4	11/2/1995 7829502	7/17/1996 8606302	10/21/1997 10092004	12/11/1998 298120447018	9/21/1999	4/6/2000	6/25/2001 183854-1	6/18/2002 210168-2	6/6-10/2003 237022007	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)													
Antimony	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	NA	NA	NA	ND	NA	NA	NA	ND	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	ND	NA	NA	NA	ND	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	NA	ND	NA	ND	ND	ND	ND	ND	NA	**NR**	**NR**	**0.2**
Cyanide, free	0.018	NA	ND	NA	ND	ND	ND	ND	ND	NA	**0.200**	**0.200**	**NR**
Lead	NA	NA	NA	NA	NA	ND	NA	NA	NA	ND	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	NA	NA	NA	ND	NA	NA	NA	ND	**0.100**	**0.100**	**NR**
Zinc	NA	NA	NA	NA	NA	ND	NA	NA	NA	ND	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)													
Acetone	NA	NA	ND	ND	ND	ND	NA	ND	ND	NA	**3.7**	**10**	**NR**
Benzene	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	ND	ND	ND	ND	NA	ND	ND	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	NA	ND	ND	ND	NA	NA	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	NA	ND	ND	ND	NA	NA	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	NA	ND	ND	ND	ND	ND	ND	0.0015	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.060	0.084	0.034	0.037	0.120	0.21	0.161	0.179	0.057	0.0571	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.410	0.280	0.052	0.036	0.120	0.20	0.181	0.062	0.053	0.0334	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	1.20	0.92	NA	0.990	1.240	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.80	0.560	0.070	0.021	ND	0.039	0.0283	0.027	0.014	0.0108	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	1.0	0.190	0.10	0.060	0.086	0.057	0.0325	ND	0.028	0.0454	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	1.20	NA	NA	ND	ND	NA	ND	0.044	0.0041	0.0414	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	6.20	3.0	1.40	0.710	1.0	1.1	0.399	0.024	0.348	0.452	**0.005**	**0.005**	**0.005**
Vinyl Chloride	0.015	NA	ND	0.014	0.055	ND	0.0372	0.577	0.082	0.0256	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	ND	ND	ND	ND	NA	ND	ND	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-51S
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	10/4/1991 30261-1	11/1/1991 31032-3	11/2/1995 7829503	7/16/1996 8602603	10/20/1997 10087206	12/11/1998 298120447019	9/20/1999	4/5/2000	6/26/2001 183969-8	6/18/2002 210168-3	6/6/2003 237022005	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)														
Antimony	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	NA	NA	NA	NA	0.59	NA	NA	NA	0.338	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	0.45	NA	NA	NA	0.35	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	NA	0.005	NA	0.01	NA	0.01	0.019	ND	0.017	0.021	0.019	**NR**	**NR**	**0.2**
Cyanide, free	NA	0.04	NA	0.01	NA	ND	ND	ND	ND	0.007	0.005	**0.200**	**0.200**	**NR**
Lead	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	ND	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	NA	NA	NA	NA	0.10	NA	NA	NA	0.05	**0.100**	**0.100**	**NR**
Zinc	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	ND	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)														
Acetone	NA	NA	NA	ND	ND	ND	ND	NA	ND	ND	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	ND	ND	ND	ND	NA	ND	ND	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	NA	ND	ND	ND	0.006	ND	0.0051	0.0031	0.0018	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	NA	ND	ND	ND	NA	NA	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	NA	ND	ND	ND	NA	NA	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	0.010	0.005	NA	ND	ND	ND	ND	ND	0.0034	0.0027	0.0025	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.045	0.035	0.020	ND	0.054	0.036	0.026	0.0214	0.034	0.022	0.0281	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	1.70	0.780	0.260	0.670	0.660	0.40	0.22	0.229	0.213	0.200	0.197	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	0.010	ND	NA	ND	ND	ND	ND	ND	0.0024	0.0017	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	1.0	0.87	NA	0.812	0.706	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	3.80	2.10	0.440	1.40	1.50	0.730	0.24	0.215	0.206	0.183	0.215	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	5.50	2.60	1.10	1.90	2.0	1.10	0.76	0.987	1.380	1.660	1.070	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	0.680	0.560	NA	NA	ND	ND	NA	ND	0.0036	0.0018	0.0017	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	23.0	12.0	3.0	6.70	6.20	3.90	2.2	2.52	2.950	2.600	1.920	**0.005**	**0.005**	**0.005**
Vinyl Chloride	0.020	0.015	NA	ND	ND	0.033	ND	ND	0.031	0.033	0.0147	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	ND	ND	ND	ND	NA	ND	ND	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-54
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	7/29/1993 51188-1	11/1/1995 7825005	7/17/1996 8606305	10/23/1997 10097302	12/10/1998 298120447010	9/29/1999	4/10/2000	6/26/2001 183969-4	6/13/2002 209854-3	6/6/2003 237022006	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)													
Antimony	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	NA	ND	NA	ND	ND	ND	ND	ND	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	NA	ND	NA	ND	ND	ND	ND	ND	NA	**0.200**	**0.200**	**NR**
Lead	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	ND	NA	NA	NA	NA	0.03	NA	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)													
Acetone	ND	NA	ND	ND	ND	ND	NA	ND	ND	NA	**3.7**	**10**	**NR**
Benzene	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	NA	ND	ND	ND	NA	NA	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	NA	ND	ND	ND	ND	NA	ND	ND	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	NA	ND	ND	ND	NA	NA	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	NA	ND	ND	ND	NA	NA	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	0.014	ND	ND	0.011	ND	ND	0.0026	0.019	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.750	1.0	0.070	0.160	0.150	0.027	ND	0.026	0.068	0.0145	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	10.0	4.90	0.690	1.0	0.750	0.19	ND	0.047	2.840	0.0742	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	0.100	ND	ND	0.020	ND	ND	0.0027	0.0088	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	0.260	0.16	NA	0.165	0.113	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	NA	ND	ND	ND	ND	ND	ND	0.020	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	30.0	29.0	1.40	1.60	0.760	0.15	ND	0.108	0.187	0.0238	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	0.050	ND	ND	0.0066	ND	ND	0.0025	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	ND	0.060	0.130	0.068	0.043	0.062	ND	0.136	0.045	0.0774	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	NA	NA	ND	ND	NA	ND	0.0019	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	1.0	0.880	1.10	0.790	0.740	0.51	0.540	0.405	0.965	0.428	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	NA	ND	ND	ND	ND	NA	ND	ND	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-64D
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	10/18/1995	10/27/1995 7814207	12/28/1995 7993301	12/8/1998 298120377010	9/17/1999	4/6/2000	6/25/2001 183854-7	6/14/2002 210002-2	6/5/2003 236925002	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)												
Antimony	ND	NA	NA	NA	ND	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	ND	NA	NA	NA	ND	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	ND	NA	NA	NA	ND	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	ND	NA	NA	NA	ND	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	ND	NA	NA	NA	0.0094	NA	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	ND	NA	NA	NA	ND	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	NA	ND	ND	ND	ND	ND	ND	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	NA	ND	ND	ND	ND	ND	ND	NA	**0.200**	**0.200**	**NR**
Lead	ND	NA	NA	NA	ND	NA	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	ND	NA	NA	NA	ND	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	ND	NA	NA	NA	0.0078	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	0.03	NA	NA	NA	0.059	NA	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)												
Acetone	NA	ND	ND	ND	ND	NA	ND	ND	NA	**3.7**	**10**	**NR**
Benzene	NA	ND	ND	ND	ND	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	ND	ND	ND	NA	NA	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	ND	ND	ND	ND	NA	ND	ND	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	NA	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	NA	ND	ND	ND	NA	NA	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	NA	ND	ND	ND	NA	NA	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	NA	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	NA	ND	ND	ND	ND	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	NA	ND	ND	ND	ND	ND	ND	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	NA	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	ND	ND	NA	ND	ND	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	NA	ND	ND	ND	ND	NA	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	NA	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	NA	ND	ND	ND	ND	NA	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	NA	ND	ND	ND	ND	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	NA	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	NA	0.370	0.370	0.550	ND	0.170	0.424	0.226	0.513	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	NA	NA	ND	NA	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	NA	1.80	2.10	2.40	1.4	0.370	1.42	0.773	1.07	**0.005**	**0.005**	**0.005**
Vinyl Chloride	NA	ND	ND	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	ND	ND	ND	ND	NA	ND	ND	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-64S
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	12/29/1995 7997807	12/8/1998 298120377009	9/21/1999	4/10/2000	6/25/2001 6/25/01	6/5/2003 236925001	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)									
Antimony	NA	NA	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	NA	ND	ND	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	NA	ND	ND	NA	**0.200**	**0.200**	**NR**
Lead	NA	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	NA	NA	NA	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)									
Acetone	0.150	ND	ND	NA	ND	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	NA	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	NA	NA	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	ND	ND	NA	ND	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	NA	NA	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	NA	NA	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	ND	ND	0.00132	ND	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	NA	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	NA	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.390	0.330	0.22	0.0970	0.159	0.0487	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	ND	NA	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	1.50	0.720	0.50	0.270	0.319	0.177	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	ND	ND	NA	ND	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-69
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	9/9/1999	4/4/2000	6/25/2001 183854-5	6/12/2002 209745-1	6/3/2003 236625009	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)								
Antimony	0.01	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	ND	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	ND	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	ND	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	ND	NA	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	ND	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	ND	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	NA	**0.200**	**0.200**	**NR**
Lead	ND	NA	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	ND	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	ND	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	0.08	NA	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)								
Acetone	ND	NA	ND	ND	NA	**3.7**	**10**	**NR**
Benzene	ND	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	NA	ND	ND	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	NA	NA	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	NA	NA	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.005	ND	0.0012	0.0033	0.0025	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	0.024	NA	0.0092	0.077	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	NA	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	NA	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.001	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	0.002	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.002	ND	ND	ND	0.0011	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.34	0.604	0.041	0.200	0.204	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	NA	ND	ND	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-74D
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	9/15/1999	4/6/2000	6/21/2001 183596-5	6/14/2002 210005-4	6/5/2003 236924003	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)								
Antimony	ND	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	ND	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	ND	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	ND	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	ND	NA	NA	NA	ND	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	ND	NA	NA	NA	ND	**0.100**	**0.100**	**NR**
Copper	ND	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	NA	**0.200**	**0.200**	**NR**
Lead	ND	NA	NA	NA	ND	**0.005**	**0.005**	**0.0015**
Mercury	ND	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	0.054	NA	NA	NA	ND	**0.100**	**0.100**	**NR**
Zinc	0.13	NA	NA	NA	ND	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)								
Acetone	ND	NA	ND	ND	NA	**3.7**	**10**	**NR**
Benzene	ND	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	NA	ND	ND	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	NA	NA	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	NA	NA	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.006	0.00370	0.0045	0.0018	0.0025	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.015	0.0117	0.0091	0.0048	0.0061	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	0.092	NA	0.194	0.048	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	NA	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	NA	ND	0.023	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.038	0.0166	0.012	0.005	0.0055	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.017	0.0147	0.0066	0.015	0.0279	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.24	0.202	0.082	0.112	0.196	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	NA	ND	ND	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-74S
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	9/15/1999	4/3/2000	6/21/2001 183596-3	6/13/2002 209855-1	6/3/2003 236625005	6/3/2003 236625006	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)									
Antimony	ND	NA	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	ND	NA	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	0.0031	NA	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	0.0013	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	ND	NA	NA	NA	ND	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	ND	NA	NA	NA	ND	NA	**0.100**	**0.100**	**NR**
Copper	0.013	NA	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	NA	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	NA	NA	**0.200**	**0.200**	**NR**
Lead	ND	NA	NA	NA	ND	NA	**0.005**	**0.005**	**0.0015**
Mercury	0.00091	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	0.055	NA	NA	NA	ND	NA	**0.100**	**0.100**	**NR**
Zinc	0.089	NA	NA	NA	ND	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)									
Acetone	ND	NA	ND	ND	NA	NA	**3.7**	**10**	**NR**
Benzene	ND	NA	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	NA	ND	ND	NA	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	NA	NA	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	NA	NA	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.001	0.00132	0.0013	0.0019	0.0021	0.0027	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.003	0.00196	0.0019	ND	0.002	0.0029	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	0.068	NA	0.063	0.138	NA	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	NA	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	NA	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.011	0.00408	0.0036	0.0016	0.0014	0.0018	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.017	0.00791	0.0086	0.0023	0.017	0.0168	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.11	0.123	0.109	0.0063	0.122	0.134	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	NA	ND	ND	NA	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-75D
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	9/17/1999	4/7/2000	6/26/2001 183969-5	6/18/2002 210168-4	6/6/2003 237022001	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)								
Antimony	ND	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	ND	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	ND	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	ND	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	0.015	NA	NA	NA	0.011	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	0.01	NA	NA	NA	ND	**0.100**	**0.100**	**NR**
Copper	ND	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	NA	**0.200**	**0.200**	**NR**
Lead	ND	NA	NA	NA	ND	**0.005**	**0.005**	**0.0015**
Mercury	ND	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	ND	NA	NA	NA	ND	**0.100**	**0.100**	**NR**
Zinc	0.26	NA	NA	NA	ND	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)								
Acetone	ND	NA	ND	ND	NA	**3.7**	**10**	**NR**
Benzene	ND	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	NA	ND	ND	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	NA	NA	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	NA	NA	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	0.0016	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	0.0045	0.020	0.0137	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	0.0397	0.021	0.042	0.050	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	0.22	NA	0.091	7.360	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	NA	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	NA	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.27	0.276	0.095	0.218	0.24	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	6.2	10.5	4.78	3.02	5.16	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	ND	ND	0.0083	0.008	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	3.2	4.66	1.38	1.47	4.78	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	NA	ND	ND	NA	**10**	**10**	**10**

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NR = Not Reported

MW-75S
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	9/17/1999	9/17/1999	4/7/2000	6/26/2001 183969-9	6/18/2002 210168-5	6/6/2003 237022002	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)									
Antimony	ND	ND	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	ND	ND	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	ND	ND	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	0.00	ND	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	ND	0.0056	NA	NA	NA	ND	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	ND	ND	NA	NA	NA	ND	**0.100**	**0.100**	**NR**
Copper	0.0082	0.014	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	ND	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	ND	NA	**0.200**	**0.200**	**NR**
Lead	ND	0.0052	NA	NA	NA	ND	**0.005**	**0.005**	**0.0015**
Mercury	ND	ND	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	0.0055	0.0097	NA	NA	NA	ND	**0.100**	**0.100**	**NR**
Zinc	0.15	0.16	NA	NA	NA	ND	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)									
Acetone	ND	ND	NA	ND	ND	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	NA	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	ND	NA	ND	ND	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	NA	NA	NA	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	NA	NA	NA	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	0.0012	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	0.0208	ND	0.019	0.018	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	0.163	0.233	0.091	0.0701	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	ND	ND	NA	0.743	0.339	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	NA	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	NA	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	1.2	ND	1.62	1.7	0.778	0.511	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	30.0	23.0	32.5	31.4	39.9	18.0	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	NA	ND	ND	ND	0.0011	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	15.0	15.0	13.1	15.1	8.470	4.68	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	0.0133	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	ND	NA	ND	ND	NA	**10**	**10**	**10**

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MW-76
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	9/14/1999	3/28/2000	6/21/2001 183596-2	6/11/2002 209610-4	6/2/2003 236549004	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)								
Antimony	ND	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	ND	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	ND	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	ND	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	ND	NA	NA	NA	ND	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	ND	NA	NA	NA	ND	**0.100**	**0.100**	**NR**
Copper	ND	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	NA	**0.200**	**0.200**	**NR**
Lead	ND	NA	NA	NA	ND	**0.005**	**0.005**	**0.0015**
Mercury	ND	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	ND	NA	NA	NA	ND	**0.100**	**0.100**	**NR**
Zinc	0.073	NA	NA	NA	ND	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)								
Acetone	ND	NA	ND	ND	NA	**3.7**	**10**	**NR**
Benzene	ND	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	NA	ND	ND	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	NA	NA	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	NA	NA	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.001	ND	0.0017	0.001	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	0.019	NA	0.030	0.020	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	NA	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	NA	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.002	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.02	0.00638	0.0077	0.0071	0.0153	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.05	0.0193	0.053	0.033	0.0435	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	NA	ND	ND	NA	**10**	**10**	**10**

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MW-81D
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	9/13/1999	4/4/2000	6/26/2001 183969-2	6/17/2002 210080-2	6/5/2003 236924007	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)								
Antimony	ND	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	ND	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	ND	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	ND	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	0.19	NA	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	ND	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	0.015	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	NA	**0.200**	**0.200**	**NR**
Lead	ND	NA	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	ND	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	1.10	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	0.039	NA	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)								
Acetone	ND	NA	ND	ND	NA	**3.7**	**10**	**NR**
Benzene	ND	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	NA	ND	ND	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	0.003	ND	0.003	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	NA	NA	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	NA	NA	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	0.003	ND	0.003	0.0011	0.0018	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.012	ND	0.012	0.0043	0.007	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.016	0.0366	0.015	0.0042	0.0059	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	0.36	NA	0.345	0.187	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	NA	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	NA	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.003	ND	0.0018	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.083	0.0890	0.153	0.054	0.0532	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	ND	0.0021	ND	0.0013	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	1.5	0.934	1.22	0.491	0.245	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	NA	ND	ND	NA	**10**	**10**	**10**

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NR = Not Reported

MW-81S
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	9/13/1999	4/4/2000	6/26/2001 183969-3	6/17/2002 210080-3	6/5/2003 236924008	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)								
Antimony	ND	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	ND	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	0.0014	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	ND	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	0.0073	NA	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	ND	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	0.01	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	NA	**0.200**	**0.200**	**NR**
Lead	0.0072	NA	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	ND	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	0.0071	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	0.036	NA	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)								
Acetone	ND	NA	ND	ND	NA	**3.7**	**10**	**NR**
Benzene	ND	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	NA	ND	ND	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	0.002	ND	0.002	ND	0.0026	**0.005**	**0.005**	**0.005**
Chlorobenzene	NA	NA	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	NA	NA	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	0.002	0.0103	0.0024	0.0014	0.0025	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.034	0.0243	0.028	0.013	0.0391	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.047	ND	0.035	0.019	0.052	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	0.001	ND	0.001	ND	0.001	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	0.86	NA	0.811	0.379	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	NA	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	NA	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.003	ND	ND	ND	0.0013	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.06	0.0863	0.101	0.066	0.113	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	ND	0.0034	0.0018	0.0098	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	3.3	3.13	3.03	1.35	1.30	**0.005**	**0.005**	**0.005**
Vinyl Chloride	0.004	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	NA	ND	ND	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-82
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	9/10/1999	3/31/2000	6/20/2001 183492-5	6/12/2002 209746-4	6/4/2003 236799001	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)								
Antimony	ND	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	ND	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	ND	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	ND	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	ND	NA	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	ND	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	ND	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	NA	**0.200**	**0.200**	**NR**
Lead	ND	NA	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	ND	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	ND	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	0.022	NA	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)								
Acetone	ND	NA	ND	ND	NA	**3.7**	**10**	**NR**
Benzene	ND	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	NA	ND	ND	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	NA	NA	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	NA	NA	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	0.095	NA	0.135	ND	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	NA	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	NA	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.004	0.00340	0.005	ND	0.0021	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	ND	0.0017	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.096	0.0938	0.107	ND	0.0442	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	NA	ND	ND	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-85
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	4/11/2000	4/11/2000	6/22/2001 183728-4	6/12/2002 209746-1	6/3/2003 236625007	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)								
Antimony	NA	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	NA	NA	ND	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	ND	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	NA	**0.200**	**0.200**	**NR**
Lead	NA	NA	NA	NA	ND	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	NA	NA	ND	**0.100**	**0.100**	**NR**
Zinc	NA	NA	NA	NA	ND	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)								
Acetone	ND	ND	ND	ND	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	ND	ND	ND	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	NA	NA	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	NA	NA	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	0.001	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	0.137	0.135	0.049	0.171	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	ND	ND	ND	0.0013	ND	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	NA	ND	0.0018	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.192	0.194	0.019	0.206	0.0518	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	ND	ND	ND	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-87
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	9/17/1999	4/4/2000	6/26/2001 183969-1	6/17/2002 210080-4	6/5/2003 236925005	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)								
Antimony	ND	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	ND	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	ND	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	ND	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	0.0056	NA	NA	NA	ND	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	ND	NA	NA	NA	ND	**0.100**	**0.100**	**NR**
Copper	0.0068	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	0.011	NA	ND	ND	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	NA	ND	ND	NA	**0.200**	**0.200**	**NR**
Lead	ND	NA	NA	NA	ND	**0.005**	**0.005**	**0.0015**
Mercury	ND	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	0.0069	NA	NA	NA	ND	**0.100**	**0.100**	**NR**
Zinc	0.083	NA	NA	NA	ND	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)								
Acetone	ND	NA	ND	ND	NA	**3.7**	**10**	**NR**
Benzene	ND	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	NA	ND	ND	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	0.0045	0.0023	0.0021	**0.005**	**0.005**	**0.005**
Chlorobenzene	NA	NA	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	NA	NA	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	0.0017	0.0013	0.0011	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.01	ND	0.013	0.0091	0.0092	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.088	0.106	0.106	0.061	0.0479	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	0.001	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	1.1	NA	0.987	0.467	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	NA	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	NA	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.15	0.132	0.134	0.086	0.063	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	0.0023	0.0019	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.049	0.0368	0.06	0.036	0.0355	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	ND	0.0061	0.0041	0.0083	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	2.3	2.19	2.84	1.44	0.532	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	NA	ND	ND	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-88
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	4/10/2000	6/12/2002 209746-3	6/3/2003 236625012	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)						
Antimony	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	ND	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	ND	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	NA	**0.200**	**0.200**	**NR**
Lead	NA	NA	ND	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	ND	**0.100**	**0.100**	**NR**
Zinc	NA	NA	ND	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)						
Acetone	ND	ND	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	ND	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	NA	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	NA	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.00560	0.0064	0.0039	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	0.00520	0.040	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	ND	0.0058	0.0056	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.0080	0.012	0.0102	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	0.0011	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.180	0.186	0.180	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	ND	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-91
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	4/10/2000	6/22/2001 183728-2	6/14/2002 210005-3	6/4/2003 236799003	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)							
Antimony	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	0.108	0.01	0.076	**NR**	**NR**	**0.2**
Cyanide, free	ND	0.014	ND	0.008	**0.200**	**0.200**	**NR**
Lead	NA	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	NA	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)							
Acetone	ND	ND	ND	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	ND	ND	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	NA	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	NA	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	ND	ND	0.0012	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.200	0.214	0.443	0.151	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.069	0.061	0.072	0.0312	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	ND	ND	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-92
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	4/10/2000	6/21/2001 183596-8	6/17/2002 210080-1	6/4/2003 236799002	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)							
Antimony	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	0.024	0.019	0.019	**NR**	**NR**	**0.2**
Cyanide, free	ND	0.008	ND	0.006	**0.200**	**0.200**	**NR**
Lead	NA	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	NA	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)							
Acetone	ND	ND	ND	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	ND	ND	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	NA	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	NA	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	ND	0.0024	0.0025	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.170	0.320	0.168	0.263	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.140	0.146	0.153	0.110	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	ND	ND	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

RW-2
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Harley-Davidson Motor Company Operations, Inc. - York, PA

Sample Date Laboratory ID Parameter/Units	10/20/1997 10087207	12/8/1998 298120377006	7/30/1999	3/30/2000	6/20/2001 183492-3	6/12/2002 209745-4	6/3/2003 236625008	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)										
Antimony	NA	NA	NA	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	ND	ND	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	ND	ND	NA	**0.200**	**0.200**	**NR**
Lead	NA	NA	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	NA	NA	NA	NA	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)										
Acetone	ND	ND	NA	NA	ND	ND	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	NA	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	NA	NA	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	ND	NA	NA	ND	ND	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	NA	NA	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	NA	NA	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	ND	NA	NA	ND	0.0018	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	NA	NA	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	NA	NA	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	ND	NA	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.005	0.013	0.003	0.00162	0.0033	0.025	0.0027	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	NA	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	ND	ND	NA	ND	ND	NA	**10**	**10**	**10**

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NA = Not Applicable
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