GROUNDWATER EXTRACTION AND TREATMENT SYSTEM ANNUAL OPERATIONS REPORT FOR THE PERIOD JANUARY 1, 2004 THROUGH DECEMBER 31, 2004

SAIC Project 01-1633-00-5385-800

Prepared for:

Harley-Davidson Motor Company Operations, Inc.

York, PA

March 2005

Science Applications International Corporation
An Employee-Owned Company

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Respectfully submitted,

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Project Manager

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Project Director

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cfm	-	cubic feet per minute
cis 1,2-DCE	-	cis-1,2-Dichloroethene
DCE	-	1,1-Dichloroethene
EPA	-	United States Environmental Protection Agency
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
PADEP	-	Pennsylvania Department of Environmental Protection
PCE	-	Tetrachloroethene
PTA	-	Packed Tower Aerator
RI	-	remedial investigation
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
µg/L	-	micrograms per liter
VOCs	-	volatile organic compounds
WPL	-	West Parking Lot

EXECUTIVE SUMMARY

The groundwater extraction and treatment system (GWTS) 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, 2004, through December 31, 2004. The groundwater extraction and treatment system, including a soil vapor extraction system, is designed to accomplish the following:

1. Prevent offsite 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 near Building 2;
3. Prevent offsite 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;
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;
6. Remove contaminated soil vapors from the NB4 Area.

The extraction system consists of 15 active extraction wells; 9 in the NPBA, 1 in the TCA Tank Area, 4 in the WPL/NB4 Area, and CW-19 which is part of the Softail Dewatering Area. Several significant maintenance-related modifications or repairs were conducted during the 2004 report period. These included repairs to the Packed Tower Aerator (PTA) blower motor, change-out of the PTA packing material, and replacement of granular carbon in the off-gas treatment system. An overall reliability assessment has been completed for the entire groundwater extraction and treatment system, with upgrades and repairs planned for 2005 and 2006.

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 had automated controls brought on-line in January 2004.

Science Applications International Corporation (SAIC) estimates that during the time period from January 2004 through December 2004, approximately 1,786 pounds of VOCs were removed by the groundwater treatment system. The total amount of groundwater extracted during this 12-month reporting period was approximately 141 million gallons. Since initiation of the program, over 29,300 pounds of VOCs have been removed.

Groundwater elevation data collected in June and December 2004 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 offsite migration of VOC-impacted groundwater. The one exception to this occurred at the NPBA (near CW-2 and CW-6) in December 2004. The CW-6 well pump was not operating at this time due to a break in its underground power lead and the CW-2 well pump was not

operating due to an iron fouling problem within this well. Well rehabilitation efforts were performed at CW-2 in January 2005 and the CW-6 power lead is scheduled for repair in 2005.

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 the area of a former degreaser capturing localized VOC-impacted groundwater. Groundwater elevation data collected in 2004 confirms that the groundwater level in these two pumping wells is approximately 4 to 5 feet lower than in the surrounding monitoring wells.

The combined influent total VOC concentrations in captured groundwater averaged 1,469 micrograms per liter (µg/L) during 2004. Trichloroethene (TCE), 1,1,1-Trichloroethane (TCA), cis-1,2-dichloroethene (cis-1,2-DCE), and tetrachloroethene (PCE) are the predominant VOCs comprising the PTA influent chemistry. The PTA effluent is sampled and reported on a monthly basis, as required by the National Pollutant Discharge Elimination System (NPDES) permit. The treatment system effluent has maintained non-detectable concentrations of target VOCs during this reporting period.

During 2004, the extraction wells, offsite monitoring locations, and key monitoring wells were sampled for priority pollutant VOCs. Site-wide water levels were measured in June 2004 and December 2004. Little variation in the site groundwater table was noted during 2004, although water levels measured in December were generally 1 foot higher compared to June. This situation is a result of the above average annual precipitation totals, with approximately 8 additional inches of precipitation received during the second half of 2004 compared to the first half (31.6 versus 23.6 inches).

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. Finally, most of the WPL monitoring wells exhibit a relatively flat or gradual decreasing concentration trend for the most prevalent VOC in this area (TCE).

During 2004, a subset of 23 key wells was sampled for dissolved metals (total chromium, hexavalent chromium, nickel, lead and zinc). The only metal of concern that was detected was total chromium. The four 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 0.013 milligram per liter (mg/L) (MW-75D) to 2.04 mg/L (MW-47). Groundwater from two wells (MW-51S and MW-47) contained chromium at concentrations (0.701 and 2.04 mg/L, respectively) above the United States Environmental Protection Agency's (EPA) maximum contaminant level (MCL) for chromium in drinking water (0.1 mg/L).

Offsite sampling of three local water supplies (wells and springs) is routinely conducted proximal to 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 at 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, 2004, through December 31, 2004.

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. Groundwater is also extracted from a subsurface gravity drainage system located along the upgradient (eastern) perimeter of Harley-Davidson's Softail facility (Building 3). 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. These locations 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 as outfall No. 003 (Figure 1-1). Figure 1-3 presents a schematic flow diagram for this 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) before being discharged to the atmosphere. Since May 1994, a thermal fume oxidizer (TFO) has also been used to thermally destroy VOCs prior to atmospheric discharge. The economics of utilizing the TFO versus using GAC are regularly evaluated and the most cost effective treatment method is used with the other system serving as a backup. For calendar year 2004, GAC served as the primary treatment method.

The groundwater extraction and PTA treatment system was designed and installed pursuant to an order from the Pennsylvania Department of Environmental Protection (PADEP), 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 automated controls that operate the Softail dewatering system were officially brought on-line in January 2004.

On December 2, 1993, National Pollutant Discharge Elimination System (NPDES) permit No. PA0085677 was issued for the system. This permit continues to be renewed every 5 years. The most current renewal was issued by the PADEP on January 21, 2004. Subsequently, PADEP issued an amendment on June 18, 2004, to request a method detection limit study that was designed to identify the most sensitive analytical method for detecting 1,1-dichloroethene (DCE). As a result, use of United States Environmental Protection Agency (EPA) analytical method 624 has been incorporated in the site monitoring program.

The data presented in this annual 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 GAC/TFO unit also is 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 well CW-8 located in this area. Water levels 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 treatment plant.

- Chapter 11.0, *Offsite Groundwater Monitoring*, presents the record of groundwater quality data for offsite locations. System effectiveness at preventing offsite 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 2004.

3.1 Groundwater Flow Direction

The depth to water was measured in site-wide groundwater wells two times during the reporting period (June 4, 2004 and December 10, 2004). These measurements were taken in approximately 109 points in June and 111 points in December. The depth to water data for these events were converted to groundwater surface elevations and 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 4, 2004, and December 10, 2004. The general configuration of the water table in the eastern half of the site indicates a gradient toward 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.

Figures 3-2 and 3-3 display general areas of groundwater depression as depicted by enclosed circles around active collection (pumping) wells at the site. Groundwater capture areas have also been approximated on Figures 3-2 and 3-3 using green lines. The capture zone boundaries represent a groundwater divide that is created by active pumping of collection wells. Groundwater on the inside of the capture zone boundary (i.e., toward the collection well) will flow toward the collection well while water on the outside of the capture zone boundary will flow in the direction of the natural gradient.

The capture areas indicated on Figures 3-2 and 3-3 were estimated by SAIC using pre-existing knowledge obtained from groundwater pumping tests performed during the initial design phase of the groundwater collection systems, along with site specific data including: an evaluation of groundwater flow paths, a review of measured hydraulic gradients, and the review of recent continuous groundwater level monitoring data near CW-8. The western extent of the capture zone for the WPL wells that is shown on Figures 3-2 and 3-3 is based on very limited information, due to the proximity of the property line.

The June 2004 and December 2004 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 approximately 1 foot higher in December 2004 compared to June 2004. This determination was made using data for wells in areas that are not affected by the NPBA

extraction wells. The higher levels in December can be attributed to groundwater recharge resulting from increased precipitation experienced during the second half of 2004 (23.6 inches January-June, 31.6 inches July-December) and the increased infiltration which occurs as a result of dormant vegetation. It should also be noted that during calendar year 2004, 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 2004 compared to June 2004. The one exception to this is near well MW-40S where the water level was 14 feet higher in December than June. A surface water detention basin which had several sink holes develop in late 2003/early 2004 was recently repaired. This detention basin is in the vicinity of MW-40S, and it may have been providing additional recharge to the aquifer at this location. The water table beneath the WPL displayed an area of increased drawdown in December in the vicinity of wells WPLSS-7 and MW-8.

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.

Groundwater from 43 Key Wells was sampled for VOCs in June 2004, with a subset of 23 wells analyzed for dissolved metals and a subset of four wells analyzed for total and free cyanide. Additionally, 15 active groundwater extraction points were sampled in June and December 2004. The locations of the Key Wells (red) and the extraction wells (green) are depicted on Figure 1-2.

General groundwater quality trends based on current and past analytical results are discussed in subsequent chapters of this report. A summary of the analytical results from the June 2004 Key Well sampling is presented on Table A-2. The groundwater extraction well analytical results are displayed on Table A-3. Graduated symbol posting maps for the total VOCs, Trichloroethene (TCE), Tetrachloroethene (PCE), total (dissolved) chromium, and hexavalent chromium concentrations detected in the Key Wells in June 2004 have also been included as Figures 3-4 through 3-8. These posting maps were previously included in the report entitled "2004 Key Well Sampling Report", prepared by SAIC in October 2004.

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 NPBA, TCA Tank Area, NB4 and the WPL 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 10,000-pound vapor-phase GAC unit for PTA off-gas treatment. A TFO/incinerator is also present as backup to the GAC unit.

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 either absorbed to the GAC or 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 2004 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:

- An underground leak in the conveyance line for CW-15A was repaired in March 2004. Additionally, a new pump, motor, and wiring were installed at well CW-17.

- In April, new conduits and wiring were installed from pull box 6 at the NPBA to well CW-7A. Additionally, new wiring was pulled between pull box 5 and pull box 6 for well CW-1.

- The motor for the PTA blower was replaced in May 2004.

- The packing material in the packed tower aerator was replaced in June 2004.

- The GAC was removed and replaced in February, June, and October 2004. The frequent change-outs were caused in part by excess moisture saturating the filter material. The problem was caused by a malfunctioning duct heater that was repaired in October 2004.

- The packed tower is maintained by acid-washing the packing material approximately every two to three months.

- An annual update to the existing Operations and Maintenance manual is currently (February 2005) in preparation.

An overall reliability assessment was conducted for the entire groundwater extraction and treatment system, with additional upgrades/repairs planned to occur in 2005 and 2006.

4.3 Groundwater Withdrawal and Removal

Table 4-1 presents recorded groundwater withdrawal and total VOC removal that has been realized through operation of the groundwater extraction and treatment system. A system-wide total of approximately 29,300 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 2004 was approximately 273 gpm with 6.6 pounds per day of total VOCs being removed.

The total amount of groundwater extracted during the period from January 1, 2004, through December 31, 2004 was approximately 141 million gallons (an average of 386,000 gallons per day [gpd]; 268 gpm). This extraction rate is 8 percent lower than the previous year (2003) when the average values were approximately 419,000 gpd and 291 gpm. While the 2004 data represents a decrease from 2003, it does represent an increase from the total groundwater extraction values reported for 2001 and 2002 (average of 128 million gallons per year).

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 2004 through December 2004 was 1,786 pounds (148 pounds per month). This mass removal rate is greater than the value calculated during the previous reporting period (133 pounds per month). This increase is mass removal rate can be attributed to an overall higher average influent concentration determined for 2004 (1,469 micrograms per liter [μg/L]) compared to 2003 (1,262 μg/L). Estimated pounds per day of total VOCs extracted by the groundwater treatment system for the last 11 calendar years are shown below:

- 2004 – 4.9 pounds/day
- 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 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 then asymptotically decreased to a base level. The average total VOC concentration detected in the PTA influent samples during the 2004 report period was approximately 1,469 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 PCE, TCA, TCE, and 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, periods of interrupted pumping occurred and were related to various repairs and maintenance of the system (see Table 5-1). For example, an electrical short was identified during calendar year 2004 in the underground power cable for the well pump at CW-6. As a result, this pump did not operate for the final two months of 2004. Repair efforts are scheduled for the spring of 2005.

Table 5-1 presents a record of monthly groundwater withdrawals for each extraction well onsite for this reporting period. During 2004, the NPBA extraction system removed approximately 4.9 million gallons of groundwater at an average rate of approximately 414,000 gallons per month, or 9.5 gpm. This volume is less than the withdrawal from the NPBA during 2003 (11.8 gpm). Figure 5-1 presents a graphical comparison of the total volume of groundwater pumped from the NPBA with respect to the other onsite systems. Overall, the NPBA pumped approximately 3.5 percent of the total volume of groundwater withdrawn at the site.

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 4, 2004, and December 10, 2004. Additionally, Table 5-2 summarizes measurements of water levels for extraction wells in the NPBA during 2004. 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-3, CW-4, CW-5, CW-6, and CW-7A were above the design range. The pump or motor in wells CW-3 and CW-4 were changed within the next three months, which could explain why the pump could not keep the water levels drawn down in these wells. The pump in well CW-7A (and CW-1A) is controlled by a time delay, which may result in allowing the water levels to recover higher than desired until the relay times out. However, this information suggests that the individual flow rates for CW-5 and CW-6 were not adjusted properly at the time of the measurement event. 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.

During December 2004, five of the nine NPBA extraction wells (CW-1A, CW-2, CW-4, CW-6, and CW-7A) showed water elevations that were significantly above the design range (refer to Table 5-2). The well pump at CW-6 was inoperable on this date due to a break in the underground power line, which explains the elevated water level. As indicated above, the presence of a time delay in the operation of the CW-1A and CW-7A well pumps may explain the high levels at these locations. Additionally, the pump in well CW-2 was off-line on this date due to an iron fouling problem in this well (which was addressed in January 2005). However, the water level at CW-4 suggests that the individual well flow rate was not adjusted properly. The December 2004 groundwater contour maps indicate cones of depression around CW-1, CW-1A, CW-3, CW-4, CW-5, CW-7, and CW-7A, which intercept offsite migration of VOC-impacted groundwater. The December 2004 groundwater elevations measured at CW-2 and CW-6 suggest that complete capture of groundwater may not have been occurring at these locations.

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 2005-2006. Additionally, replacement of the power wiring leading to CW-6 is planned for 2005 to restore operation of the well pump at this location.

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 2004 is presented below:

- A new pump motor was installed at CW-1 in November 2004.
- A new pump end was installed at CW-2 in October 2004.
- The pump end was replaced at CW-3 in March, May, September and November.
- A new pump end was installed at CW-4 in March, September and November. Additionally, a new motor was installed in July 2004.
- A new pump end was installed on CW-6 in May 2004.
- The pump end was replaced at CW-7 in September 2004.
- The underground groundwater conveyance lines were acid washed in May 2004.

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 2003 to 2004 routine sampling events. The highest concentration of TCE reported for sampling performed at the NPBA in 2004 was in extraction well CW-7A (480 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 [cis-1,2-DCE]) are illustrated for each of the NPBA extraction wells on Figures 5-3 through 5-11. TCE is the primary contaminant in each of the NPBA wells except for CW-5 and 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. The 2004 analytical data represent the first time that PCE concentrations have exceeded TCE concentrations at well CW-5.

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 400 μg/L over the last three years. The low concentrations of VOCs at offsite monitoring location RW-2 continues to demonstrate effective capture of groundwater by the NPBA collection wells. The only VOC (TCE) detected at RW-2 in 2004 was reported at a concentration (3.5 μg/L) that is below the drinking water maximum contaminant level (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 2004, approximately 39 million gallons of groundwater were extracted from the TCA Tank Area, averaging approximately 3.3 million gallons per month (76 gpm). An average of approximately 83 gpm was calculated for the previous report period (January 1 through December 31, 2003).

The groundwater contour maps (Figures 3-2 and 3-3) indicate water level conditions that existed on June 4, 2004, and December 10, 2004. 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 and December 2004 measurement events, the observed water level was several feet above the design drawdown levels for this well. On both dates, the pump was noted to be operating at its maximum capacity. However, the water level at CW-8 was approximately 3 to 4 feet below the elevation measured in nearby wells. This confirms that an area of groundwater depression existed at CW-8.

Based on the monthly total flow data, the CW-8 daily extraction rate for CW-8 averaged approximately 109,000 gpd. This value equates to a monthly average of 3.3 million gallons, which represents a nine percent decrease from 2003 (3.6 million gallons per month).

Maintenance

No significant maintenance activities were required in 2004 for the well pump in well CW-8.

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 from 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 eight 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 2004, TCA accounted for only 4 percent of the total VOC concentration while TCE accounted for 70 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 items:

- The MW-54 (shallow) and MW-32D (deep) sampling locations both exhibit similar decreasing/increasing/decreasing TCE concentrations over the past four years (Figure 6-5). Groundwater sampled at MW-32S (shallow) indicates a high percentage of TCA compared to MW-54 (shallow) and MW-32D. 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.

- Groundwater sampled from wells CW-8, MW-34S, MW-34D and MW-35D all show similar VOC concentration ratios. These ratios suggest that groundwater contamination at these locations originated from the same source area.

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 NB4. These four wells are referred to as the WPL wells. The purpose of the WPL groundwater extraction system is to prevent offsite 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 94 million gallons of groundwater were extracted from the WPL Area during 2004 (see Table 5-1), averaging approximately 7.8 million gallons per month (179 gpm). This groundwater extraction rate represents an 8 percent decrease from 2003 when the extraction rate was approximately 195 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 4, 2004, and December 10, 2004. Groundwater contours indicate a general area of groundwater surface depression surrounding the WPL Area. A review of Figures 3-3 through 3-8 indicates that the majority of VOCs are being captured by the WPL system. VOCs may be migrating offsite in the southwest corner of the WPL (near MW-75S/D).

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 2004 measurement event, water levels in wells CW-9 and CW-15A were approximately 5 to 6 feet above the designed range. These observations indicated that adjustments to the pumping rates, which is a regular operations task, were necessary. During the December 2004 measurement round, water levels were maintained at or within 1 foot of the design-drawdown range for all wells except CW-15A, which was about 3 feet too high. Monitoring data collected in December for CW-15A did not indicate a high level condition, which suggests that the in-well probes at CW-15A may not be properly placed. This condition is being investigated in 2005 and will be remedied as necessary.

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 2004 is presented below:

- A new pump and motor were installed at CW-17 in March 2004.

- The well pump at CW-15A was disabled from September 2003 until March 2004 due to the need for well rehabilitation services. This well pump was also off for approximately three weeks in August due to a leaking fitting in the down well groundwater conveyance line, and two weeks in October due to an electrical short.

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

7.2 Groundwater Chemistry

Fifteen WPL monitoring wells are regularly sampled as part of the key well event (MW-5, MW-6, MW-7, MW-37S, MW-37D, MW-38D, MW-39S, MW-39D, MW-47, MW-51S, MW-51D, MW-74S, MW-74D, MW-75S, and MW-75D). Additionally, two first time key wells (MW-50S and MW-50D) were sampled in the WPL Area during 2004. Finally, four extraction wells (CW-9, CW-13, CW-15A, 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 is included in Appendix D.

TCE has historically been the dominant VOC recovered by three of the four extraction wells in this area (excluding CW-9). However, the 2004 analytical data indicates that only CW-17 has TCE as its one dominant VOC (refer to Table 7-1). PCE is the dominant VOC detected in groundwater extracted from CW-9, while DCE is the dominant VOC at CW-13. Both TCE and TCA comprise 35 percent of the total VOC concentration at CW-15A. 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 nine 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.

The dominant VOCs detected in the WPL monitoring wells are TCE (at MW-7, MW-38D, MW-39S, MW39D, MW-47, MW-51S, MW-74S, and MW-74D), PCE (at MW-37S, MW-37D, MW-75S, and MW-75D), and DCE (MW-5 and MW-51D). 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 2004 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 increased during the past year (from 2003 to 2004) by 77 percent and 94 percent, respectively. The TCE and PCE concentrations at MW-75D increased during the past year (from 2003 to 2004) by 130 percent and 617 percent, respectively. The concentrations reported for MW-75D are the highest to date.

- Wells MW-50S and MW-50D were sampled for the first time in four years. The concentrations of VOCs are relatively stable in the shallow well (MW-50S). However, concentrations of TCE in MW-50D increased by 1,400 percent during this time period (from 1,200 μg/L to 18,000 μg/L). The migration of TCE to MW-50D may be explained by the increased downtime of extraction well CW-15A during 2003/2004 and the groundwater gradient created by nearby collection well CW-17.

During 2004, a subset of 23 site-wide key wells was sampled for dissolved metals (total chromium, hexavalent chromium, nickel, lead, and zinc). The only metal that was detected was chromium (hexavalent and total). Additionally, a subset of four site-wide wells (MW-2, MW-51S, MW-91, and MW-92) were sampled for free and total cyanide. Details regarding detections related to the WPL wells are presented below:

- The four 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 0.013 milligram per liter (mg/L) (MW-75D) to 2.04 mg/L (MW-47). The EPA's MCL for chromium in drinking water is 0.1 mg/L. Two of the four wells (MW-51S and MW-47) contained chromium at concentrations (0.701 mg/L and 2.04 mg/L, respectively) above the MCL. The presence of chromium in groundwater is being investigated as part of a supplemental remedial investigation (RI) being conducted at the site.

- The four site-wide detections of hexavalent chromium were reported for the WPL wells (MW-7, MW-47, MW-51S, and MW-75D). The hexavalent chromium concentrations varied between 0.013 mg/L (MW-7) and 1.96 mg/L (MW-47). The EPA does not currently have a drinking water MCL for hexavalent chromium.

- Total cyanide was detected at the MW-51S location at a concentration of 0.035 mg/L. The EPA's drinking water MCL for cyanide is 0.2 mg/L.

8.0 SOFTAIL DEWATERING SYSTEM

Harley-Davidson expanded its facility through the construction of a new Softail production plant in 2001. 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 2004, this system collected over 1.3 million 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.

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 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). Two groundwater samples were collected from the lift station in 2004 for the analysis of VOCs. A review of the results from the June and December 2004 sampling event indicate that TCE is the most dominant VOC present at this location (2.4 μg/L during both sample events). The analytical results from June and December 2004 are included on Table A-3. VOC analysis of groundwater collected by the lift station is scheduled to occur twice (in June and December) during calendar year 2005.

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. Sampling data for three of the six wells sampled (MW-40D, MW-64S, and MW-64D) represents an increase from the concentrations reported in 2003. Two wells (MW-43S and MW-43D) were sampled for metals during 2004, with only minor detections of zinc reported during this event. These sampling results are consistent with those reported in 2003. The highest concentrations of TCE in this area continue to be observed at MW-64D (located in the southeast corner of the property).

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 wells (MW-91 and MW-92) were added as key wells in 2001 to monitor this area. The analytical results from sampling performed in 2004 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 2004, with PCE being the most dominant VOC. The June 2004 PCE concentration represents a 54 percent decrease from last year (from 184 μg/L to 85 μg/L). Overall, TCE concentrations exhibit a generally decreasing trend 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 2004 sample from this location was TCE (51 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 the fourth time in 2004. The 2004 total VOC concentrations reported for both wells (142 μg/L and 229 μg/L, respectively) are lower than the original detections recorded in 2000 (269 μg/L and 310 μg/L, respectively).

- MW-2, MW-91, and MW-92 all contained detectable concentrations of total cyanide. The reported concentrations were 1.0 mg/L, 0.025 mg/L, and 0.015 mg/L, respectively. The EPA's drinking water MCL for cyanide is 0.2 mg/L. Only the sample from MW-2 exceeded this value.

11.0 OFFSITE GROUNDWATER MONITORING

A quarterly sampling program of offsite groundwater supplies adjacent to and downgradient of the Harley-Davidson property was initiated in April 1988. During this report period, sampling occurred in February 2004, May 2004, August 2004, and November 2004. 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.

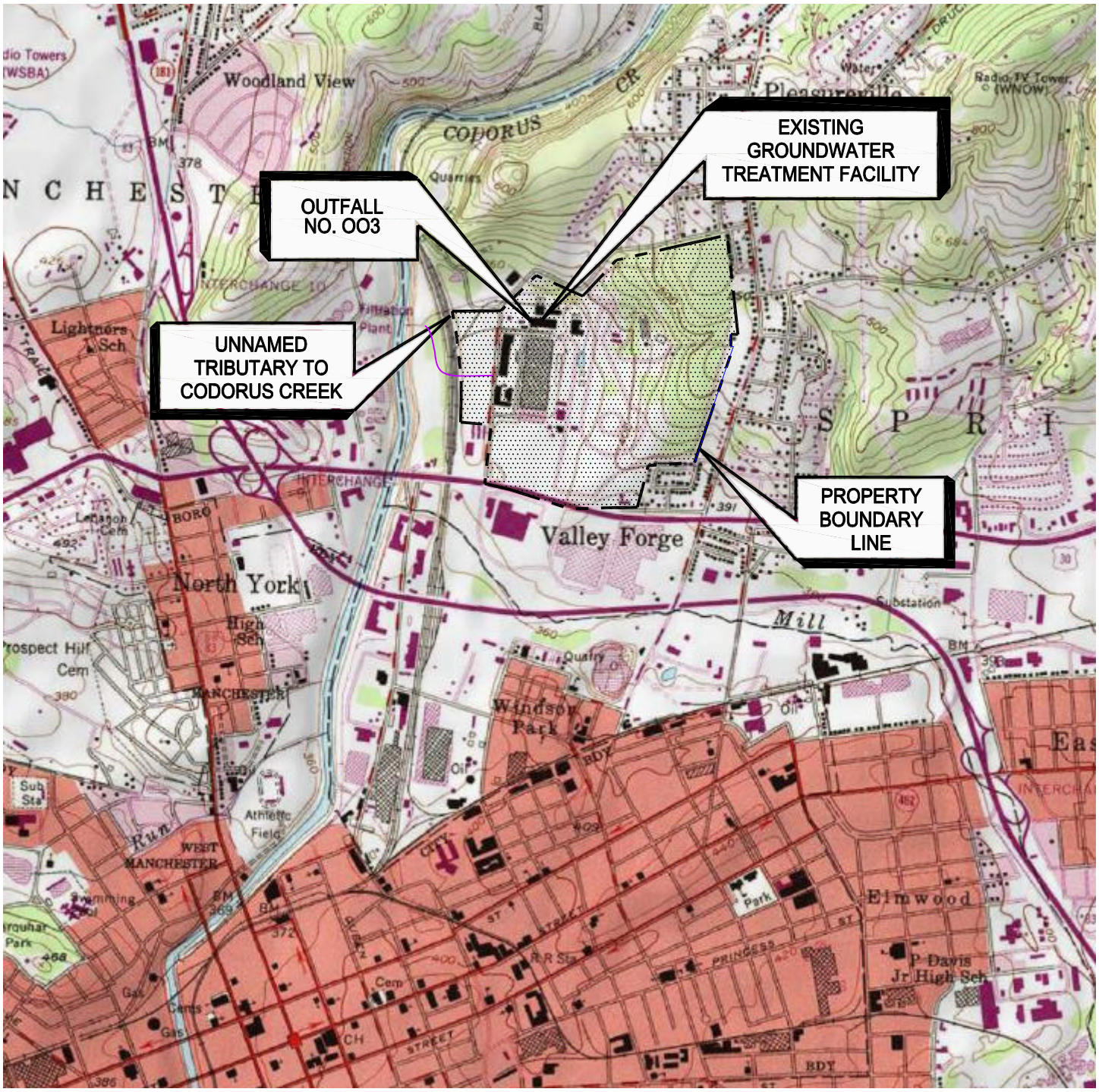
Groundwater sampling locations RW-4, S-6, and S-7 are located to the north of the Harley-Davidson property as shown on Figure 1-2. A complete description of baseline sampling of residential wells is contained in the R.E. Wright Environmental, Inc. report, entitled "Report of Investigations in the NPBA, TCA tank, and containment areas of the Harley-Davidson, Inc. York facility", dated August 1988. These offsite samples were analyzed for VOCs and free and total cyanide. The offsite well sampling results are summarized in Table A-6.

Concentrations of TCE, the most prevalent VOC at the NPBA, are graphed and included as Figure 11-1. A summary of the sampling results from the offsite locations is provided below. It should be noted that the winter 2004 edition of the Drinking Water Standards and Health Advisories published by the EPA indicates that the MCL for chloroform has been lowered from 100 μg/L to 80 μg/L. This value is currently under review, but is used herein to make a conservative comparison.

- Total and free cyanide were not detected during any of the sampling events in 2004 for RW-4 (Folk Residence). Chloroform was detected in RW-4 during the August event at a low concentration of 1.7 μg/L. All parameters tested in samples from this well remain below EPA established drinking water MCLs.
- Total and free 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 1.6 μg/L to 2.7 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 80 μg/L.
- 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 80 μg/L, with the 2004 detections ranging from 0.9 μg/L to 1.3 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 2004.

FIGURES

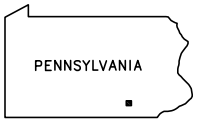


NOTE: BASE MAP FROM THE YORK PA., USGS 7 1/2 MIN TOPOGRAPHIC QUADRANGLE (PR 1990).

2000' 0 2000'

SCALE IN FEET

N



QUADRANGLE LOCATION

HARLEY-DAVIDSON MOTOR COMPANY OPERATIONS, INC.
YORK VEHICLE OPERATIONS
1425 EDEN ROAD, YORK PA 17402

SITE LOCATION MAP

drawn	checked	approved	figure no.
RAM	SLM	SMS	1-1
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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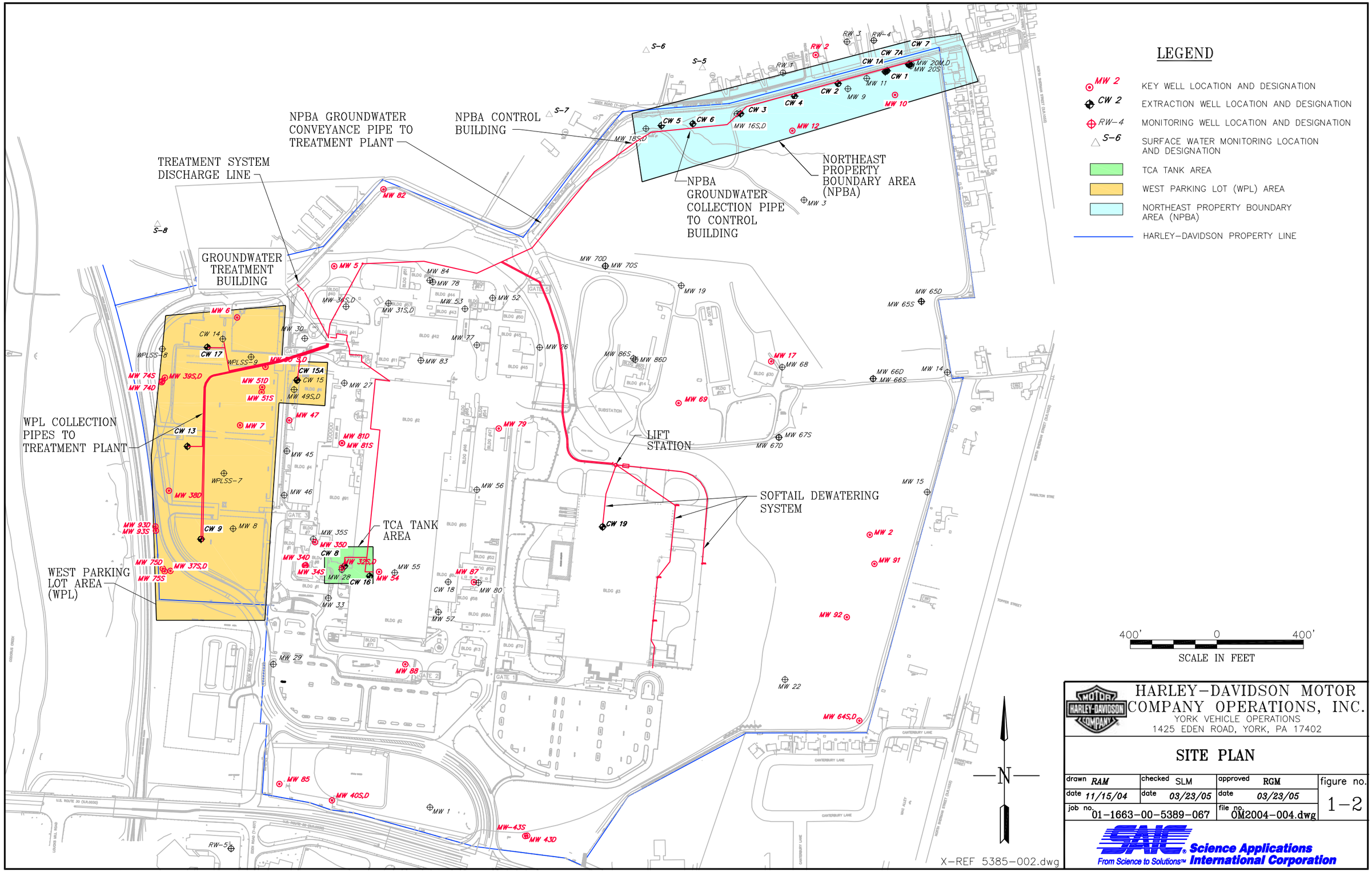

HARLEY-DAVIDSON MOTOR COMPANY OPERATIONS, INC.
YORK VEHICLE OPERATIONS
1425 EDEN ROAD, YORK, PA 17402

SITE PLAN

drawn RAM	checked SLM	approved RGM	figure no. 1-2
date 11/15/04	date 03/23/05	date 03/23/05	
job no. 01-1663-00-5389-067		file no. OM2004-004.dwg	

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FIGURE 1-3
GROUNDWATER AND SVE TREATMENT SYSTEM FLOW DIAGRAM

Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations
1425 Eden Road, York PA 17402

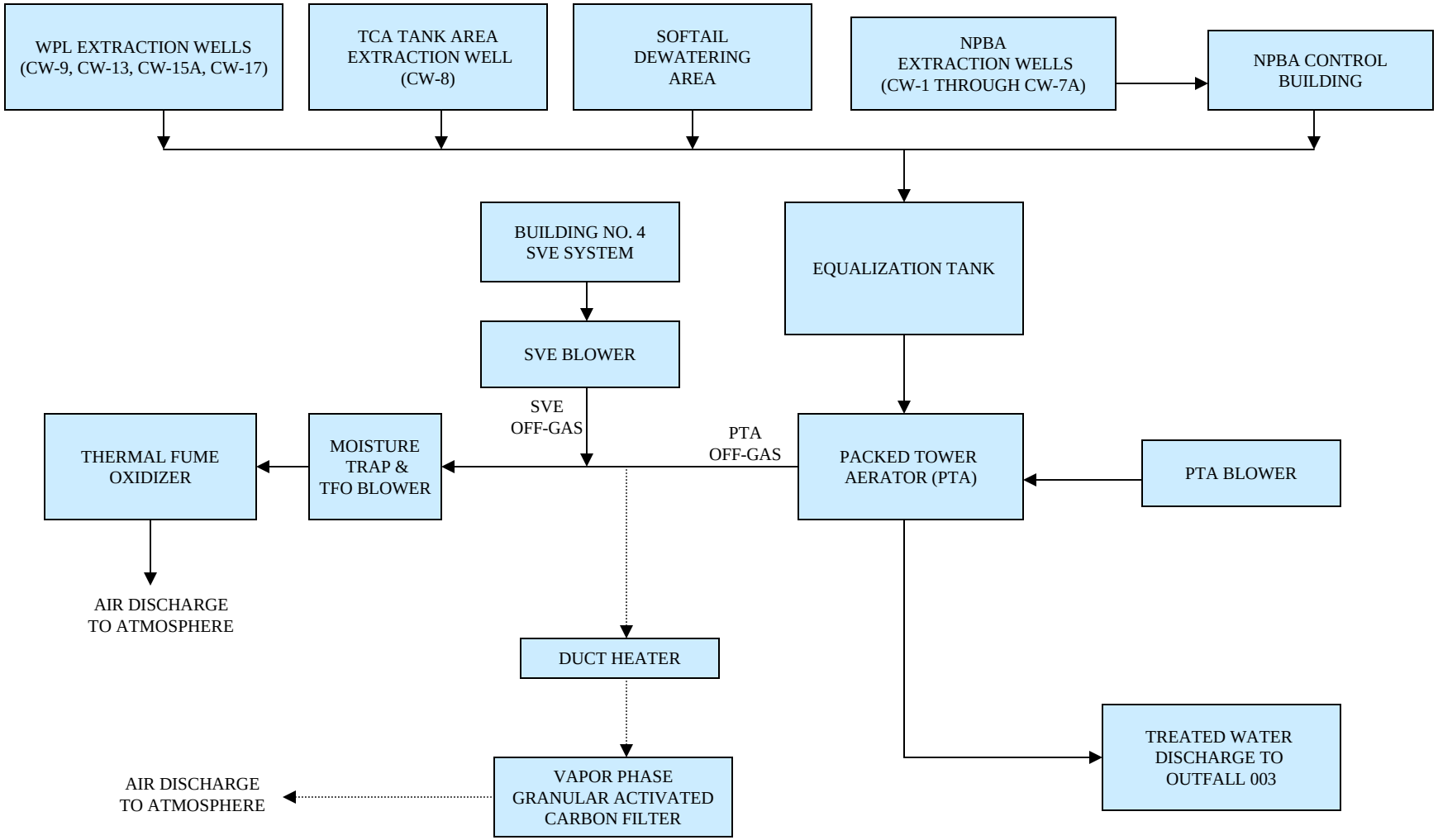
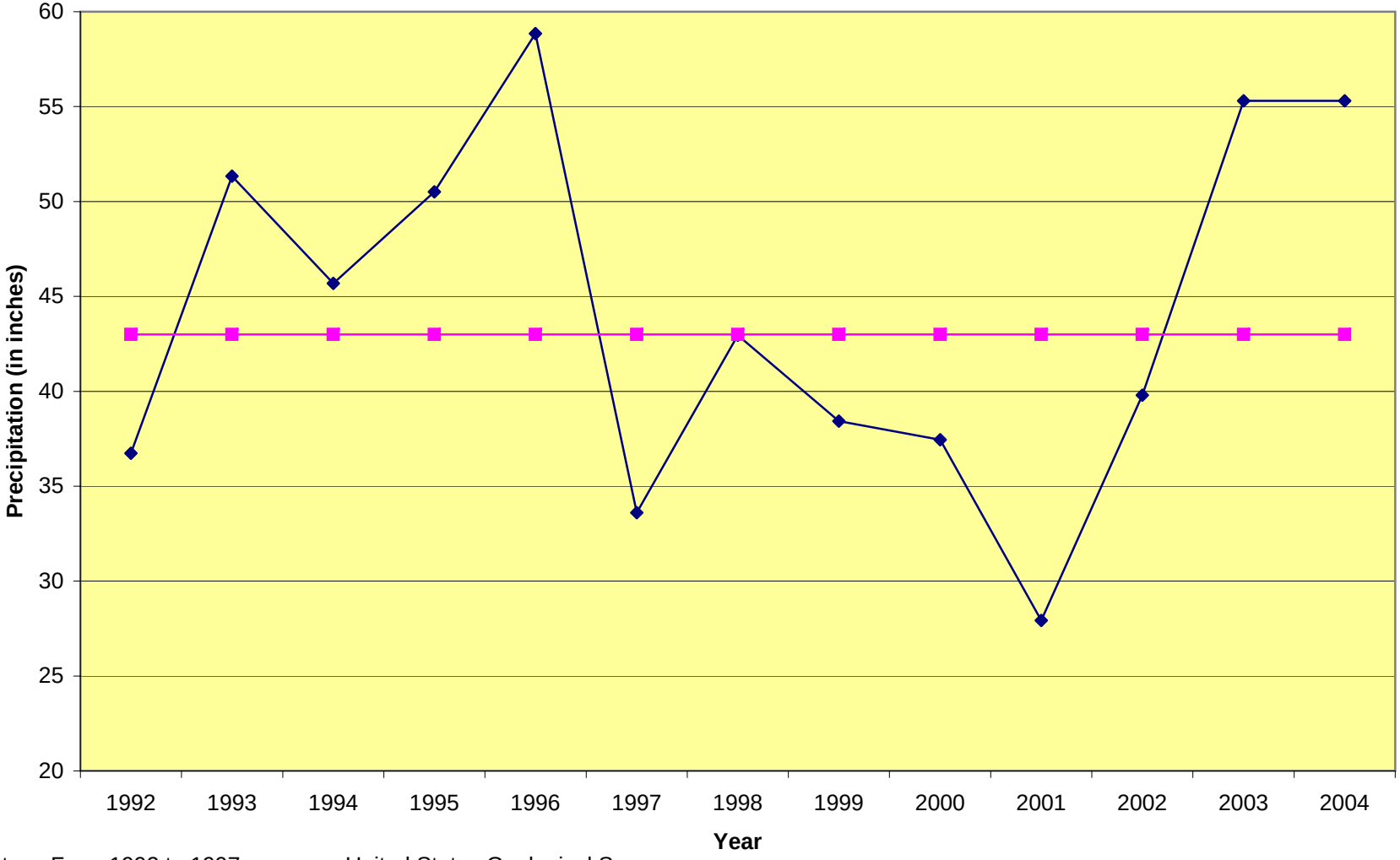


Figure 3-1
Annual Historical Precipitation Data for York, PA
Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations
1425 Eden Road, York PA 17402



Notes: From 1992 to 1997, source = United States Geological Survey
From 1998 to 2002, source = Accuweather.com
From 2003 to 2004, source = Harley-Davidson

Well I.D.	Average Pumping Rate (GPM) For Jun 4-04
CW-1	3.1
CW-1A	0.7
CW-2	0
CW-3	3.8
CW-4	1.7
CW-5	1.0
CW-6	3.8
CW-7	0.2
CW-7A	0.9
CW-8	79.5
CW-9	74.1
CW-13	63.9
CW-15A	4.1
CW-17	90.8

LEGEND

- MW 5 — MONITORING WELL LOCATION AND DESIGNATION
- MW 2 — KEY WELL LOCATION AND DESIGNATION
- CW-1 — EXTRACTION WELL LOCATION AND DESIGNATION
- 430 — GROUNDWATER ELEVATION CONTOUR LINE, DASHED WHERE INFERRED (CONTOUR INTERVAL VARIES)
- 349.29 — GROUNDWATER ELEVATION (FT. AMSL)
- APPROXIMATE WELL CAPTURE ZONE

400' 0 400'

SCALE IN FEET

HARLEY-DAVIDSON MOTOR COMPANY OPERATIONS, INC.
YORK VEHICLE OPERATIONS
1425 EDEN ROAD, YORK PA 17402

GROUNDWATER TABLE CONTOURS JUNE 4, 2004

drawn RAM	checked SLM	approved SMS	figure no. 3-2
date 10/07/04	date 10/07/04	date 10/07/04	
job no. 01-1633-00-5385-800		file no. 5385-002.dwg	

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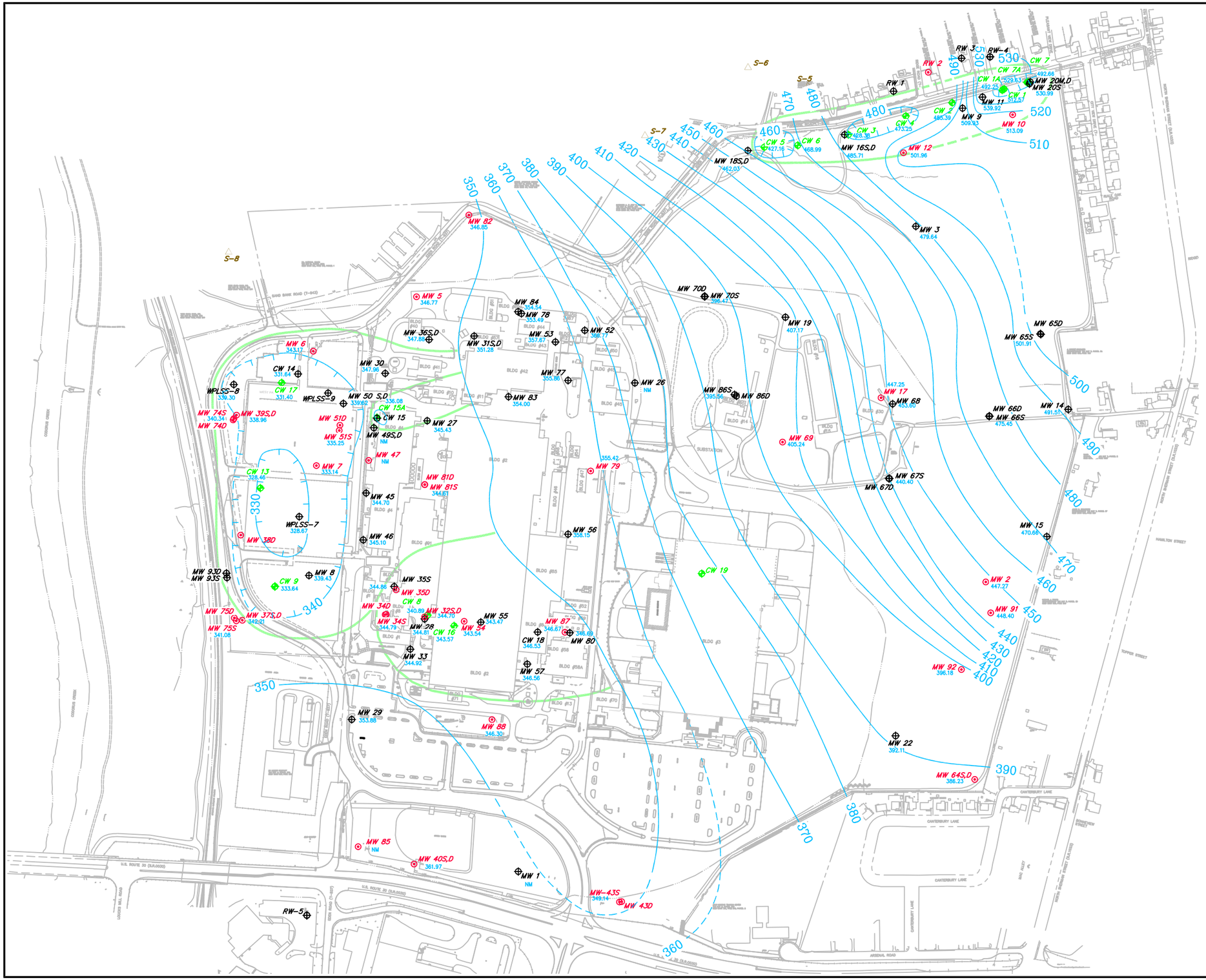

Well I.D.	Daily flow (Gallons)	Average Daily Pumping Rate (GPM) 10-Dec-04
CW-1	4,637	3.2
CW-1A	483	0.3
CW-2	0	0
CW-3	8,102	5.6
CW-4	2,856	2.0
CW-5	2,217	1.5
CW-6	0	0
CW-7	335	0.2
CW-7A	649	0.5
CW-8	117,900	81.9
CW-9	91,924	63.8
CW-13	66,605	46.3
CW-15A	6,194	4.3
CW-17	133,332	92.6

LEGEND

- MW 5 — MONITORING WELL LOCATION AND DESIGNATION
- MW 2 — KEY WELL LOCATION AND DESIGNATION
- CW-1 — EXTRACTION WELL LOCATION AND DESIGNATION
- 470 — GROUNDWATER ELEVATION CONTOUR LINE, DASHED WHERE INFERRED (CONTOUR INTERVAL VARIES)
- 470.66 — GROUNDWATER ELEVATION (FT. AMSL)
- APPROXIMATE WELL CAPTURE ZONE

400' 0 400'

SCALE IN FEET

HARLEY-DAVIDSON MOTOR COMPANY OPERATIONS, INC.
YORK VEHICLE OPERATIONS
1425 EDEN ROAD, YORK PA 17402

GROUNDWATER TABLE CONTOURS DECEMBER 10, 2004

drawn RAM	checked SLM	approved SMS	figure no. 3-3
date 02/15/05	date 02/25/05	date 02/25/05	
job no. 01-1633-00-5385-800		file no. 5385-003.dwg	

SAIC Science Applications International Corporation
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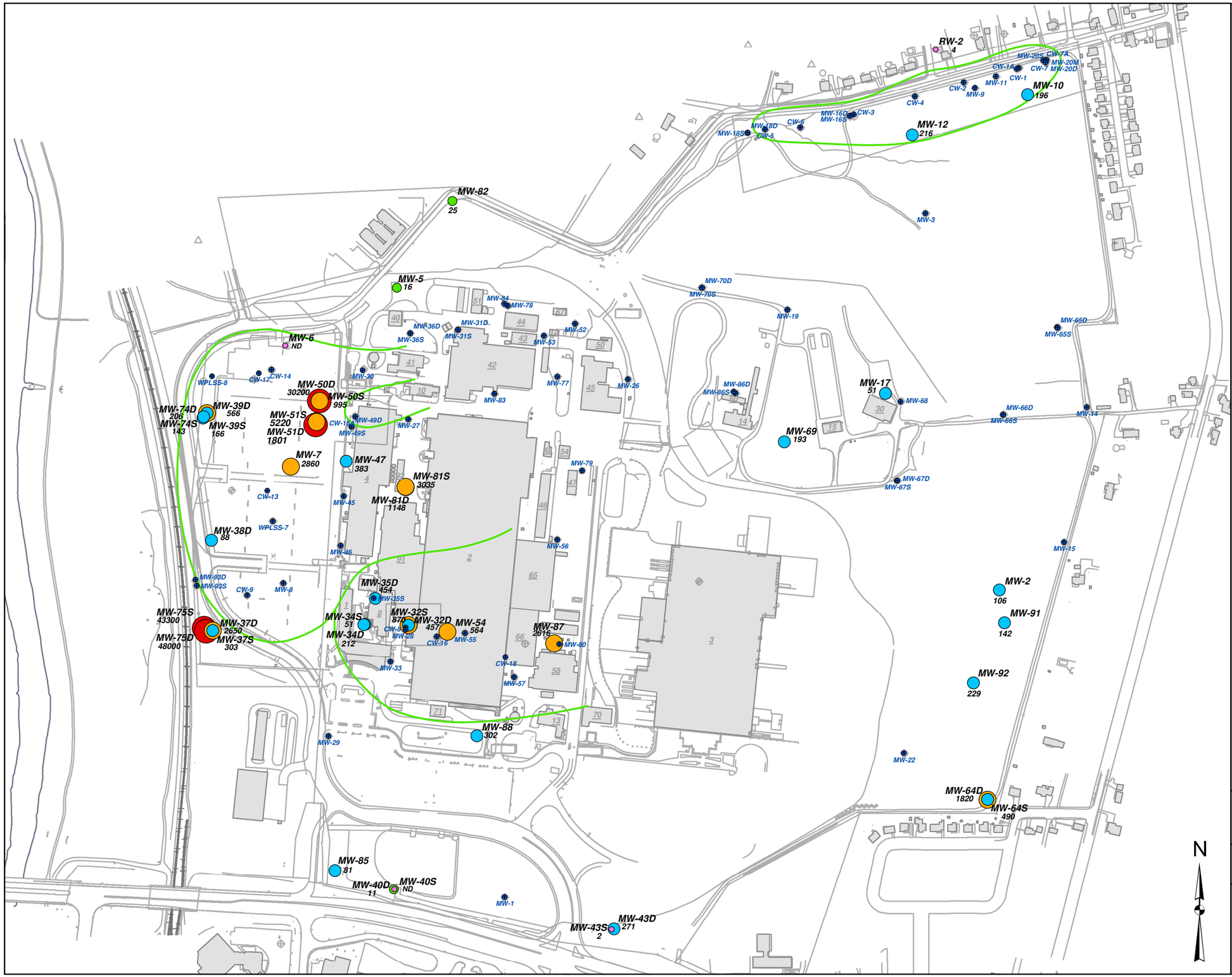


Legend

- June 2004 Groundwater Capture Zone (approximate)
- Parking
- Railroad
- Codorus Creek
- Buildings
- Wells Not Sampled

Total VOCs in ug/l

- ≤ 5
- 5 to ≤ 50
- 50 to ≤ 500
- 500 to ≤ 5000
- > 5000

NOTE: Results from June 2004
ND = Not detected
Concentration in ug/l is posted under the well label.

Figure - 3-4

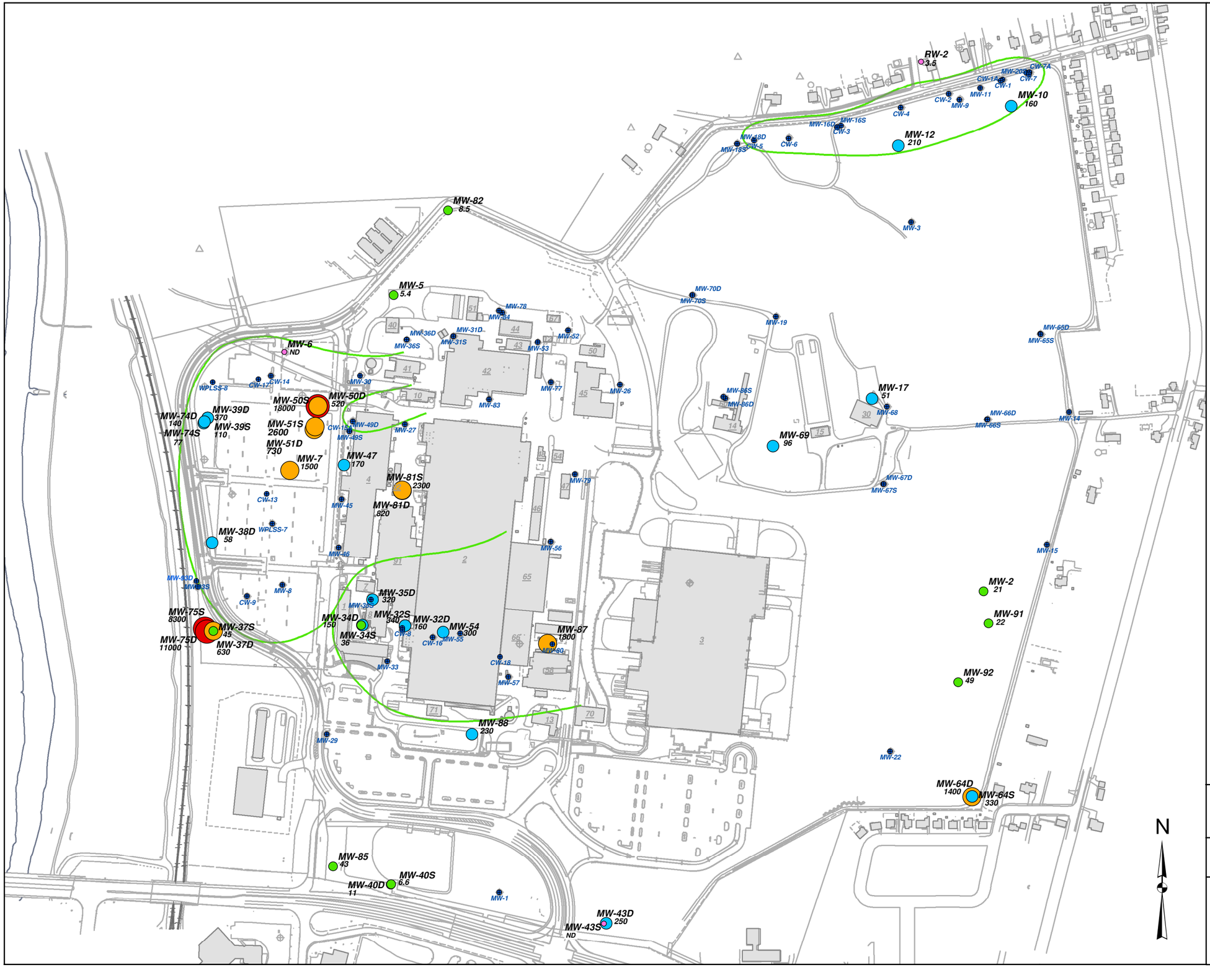
Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations
1425 Eden Road York, PA 17402

Key Well Chemistry Map Total VOCs

SAIC An Employee-Owned Company

Drawn	Checked
EVP 07/15/04	

Revisions:
EVP 10/06/04
EVP 03/24/05



Legend

- June 2004 Groundwater Capture Zone (approximate)
- Parking
- Railroad
- Codorus Creek
- Buildings
- Wells Not Sampled

TCE in ug/l

- ≤ 5
- 5 to ≤ 50
- 50 to ≤ 500
- 500 to ≤ 5000
- > 5000

NOTE: Results from June 2004
ND = Not detected
Concentration in ug/l is posted under the well label.

Figure - 3-5

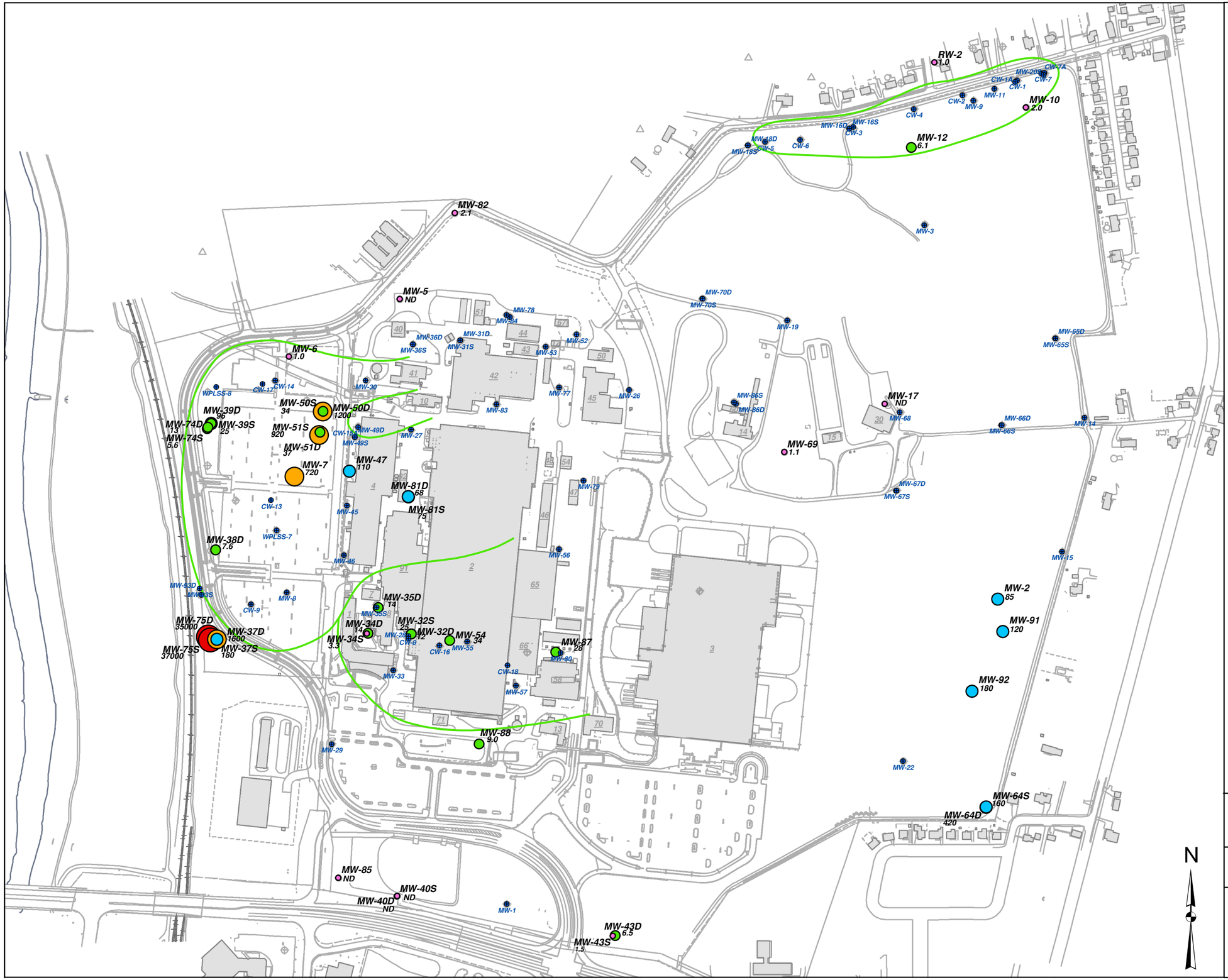
Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations
1425 Eden Road York, PA 17402

Key Well Chemistry Map Trichloroethene - TCE

SAIC An Employee-Owned Company

Drawn	Checked
EVP 07/14/04	

Revisions:
EVP 10/06/04
EVP 03/24/05



Legend

- June 2004 Groundwater Capture Zone (approximate)
- Parking
- Railroad
- Codorus Creek
- Buildings
- Wells Not Sampled

PCE in ug/l

- ≤ 5
- 5 to ≤ 50
- 50 to ≤ 500
- 500 to ≤ 5000
- > 5000

NOTE: Results from June 2004
ND = Not detected
Concentration in ug/l is posted under the well label.

0 200 400 800

1 inch equals 400 feet

Figure - 3-6

Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations
1425 Eden Road York, PA 17402

Key Well Chemistry Tetrachloroethene - PCE

SAIC An Employee-Owned Company

Drawn	Checked
EVP 07/14/04	

Revisions:
EVP 03/24/05

Legend

- June 2004 Groundwater Capture Zone (approximate)
- Parking
- Railroad
- Codorus Creek
- Buildings
- Wells Not Sampled

Dissolved Chromium in mg/l

- ≤ 0.05
- 0.05 to ≤ 0.10
- 0.10 to ≤ 1.0
- > 1.0

NOTE: Results from June 2004
ND = Not detected
Concentration in mg/l is posted under the well label.

0 200 400 800

1 inch equals 400 feet

Figure - 3-7

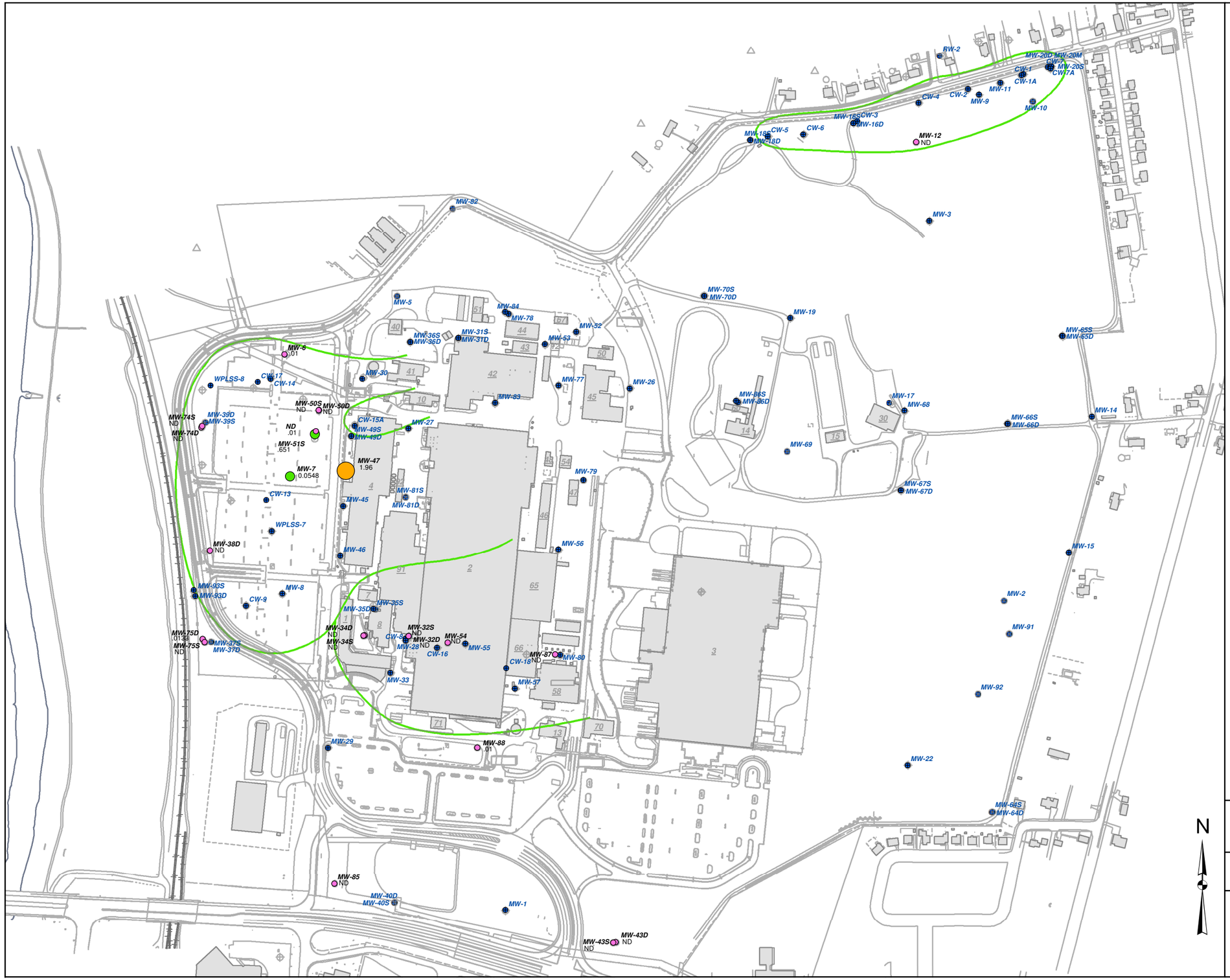
Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations
1425 Eden Road York, PA 17402

Key Well Chemistry Map - Dissolved Chromium

SAIC An Employee-Owned Company

Drawn	Checked
EVP 07/15/04	

Revisions:
EVP 03/24/05



Legend

- June 2004 Groundwater Capture Zone (approximate)
- Parking
- Railroad
- Codorus Creek
- Buildings
- Wells Not Sampled

Hexavalent Chromium in mg/l

- ≤ 0.05
- 0.05 to ≤ 0.10
- 0.10 to ≤ 1.00
- > 1.0

NOTE: Results from June 2004
ND = Not detected
Concentration in mg/l is posted under the well label.

0 200 400 800

1 inch equals 400 feet

Figure - 3-8

Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations
1425 Eden Road York, PA 17402

Key Well Chemistry Map - Hexavalent Chromium

SAIC An Employee-Owned Company

Drawn	Checked
EVP 07/15/04	

Revisions:
EVP 03/24/05

Figure 4-1
Packed Tower Aerator Influent Chemistry - Total VOC Concentration
Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations
1425 Eden Road, York PA 17402

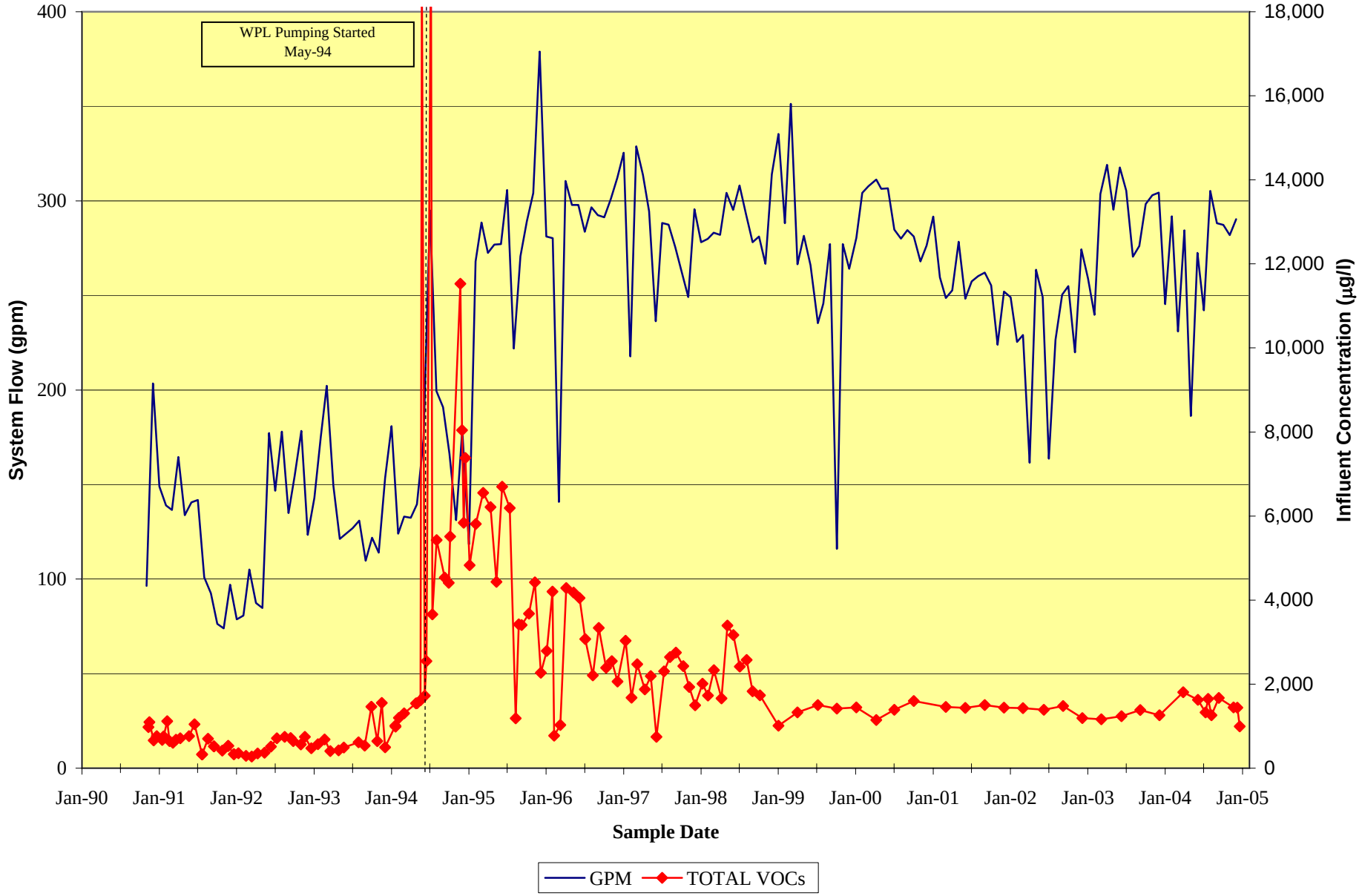


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Figure 4-2
Packed Tower Aerator Influent Chemistry for NPDES Discharge Permit Required Compounds
Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations
1425 Eden Road, York PA 17402

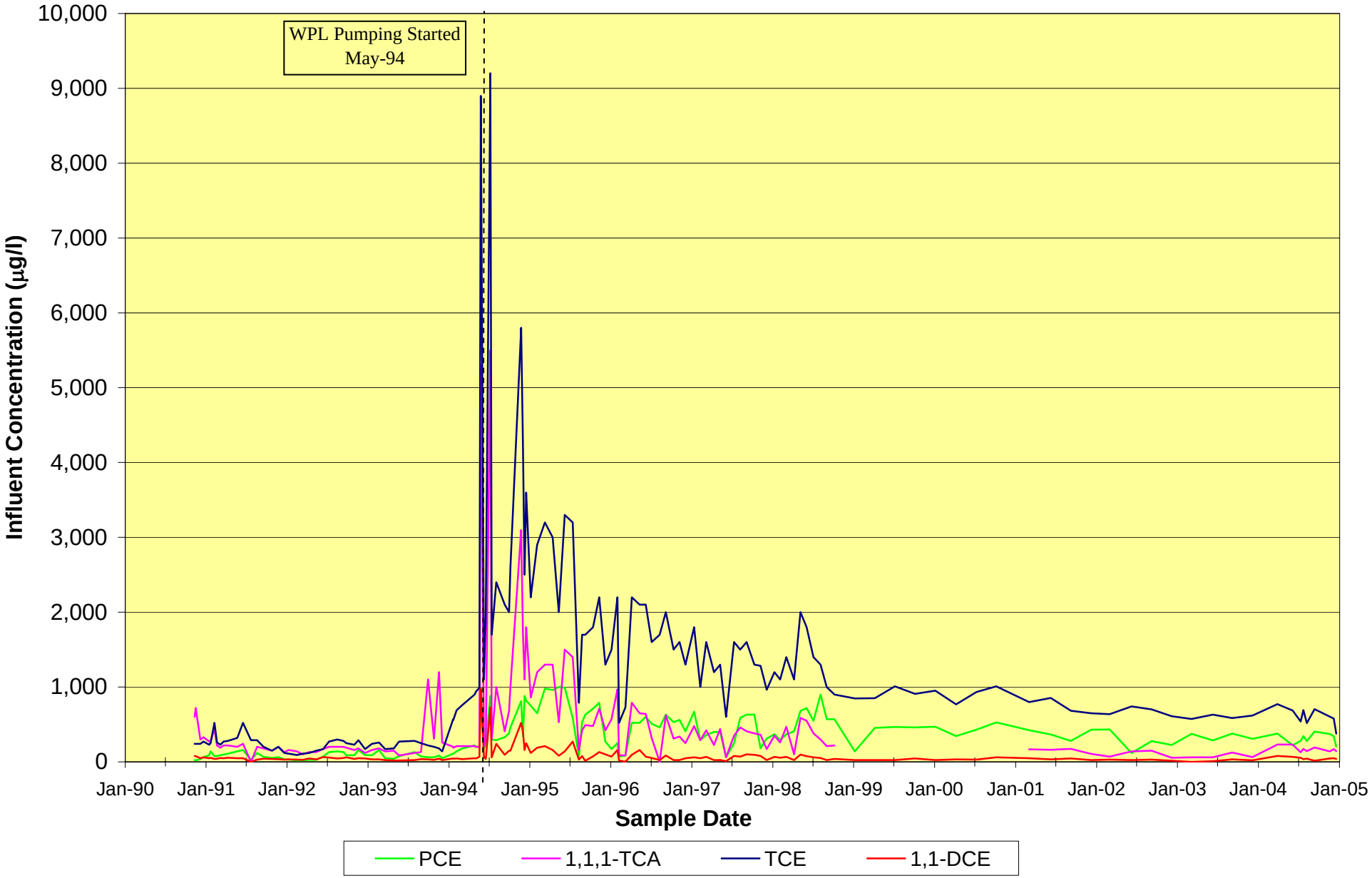

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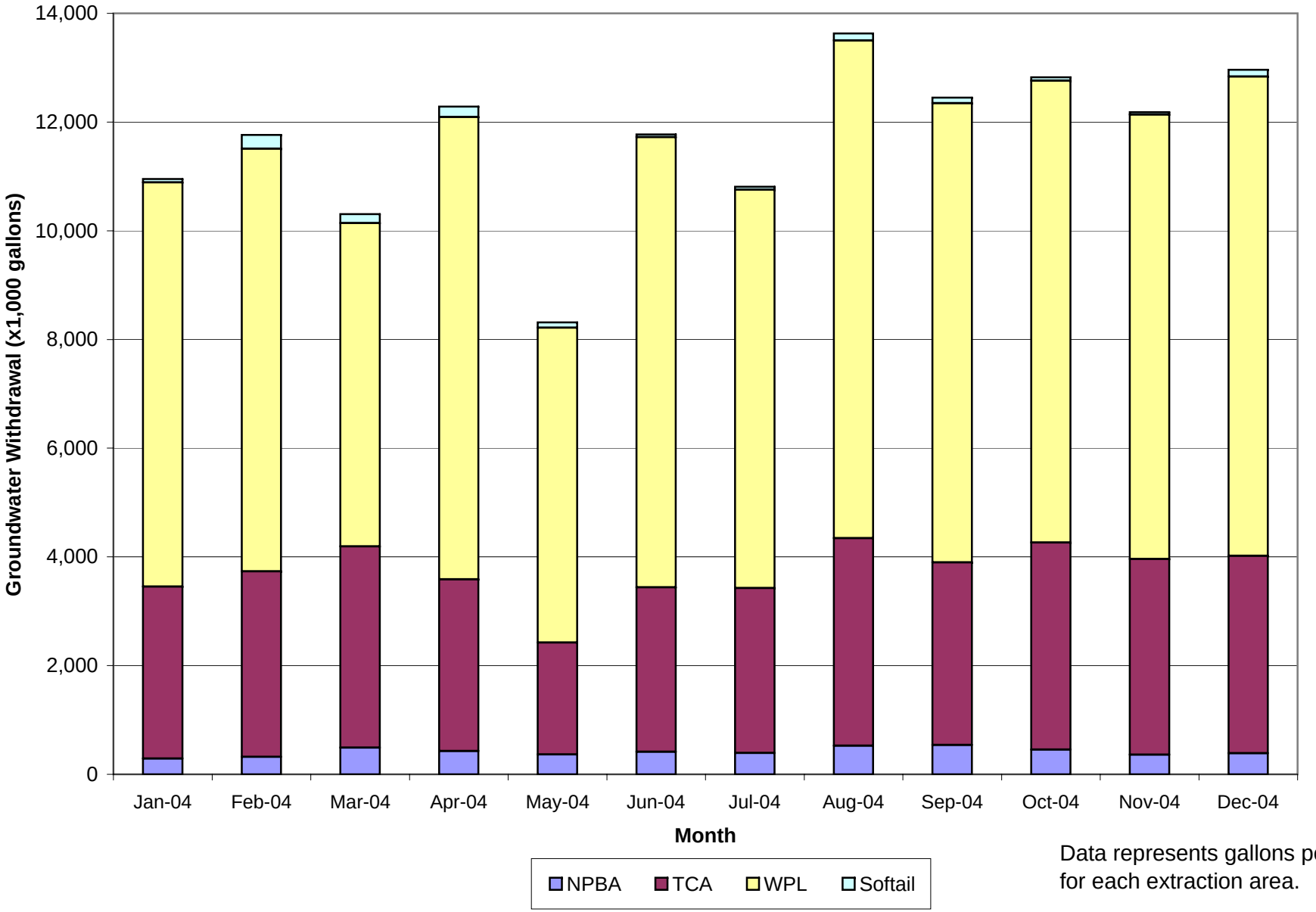
Figure 5-1
2004 Groundwater Withdrawals
Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations
1425 Eden Road, York PA 17402



Data represents 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.
York Vehicle Operations
1425 Eden Road, York PA 17402
Start-up through December 31, 2004

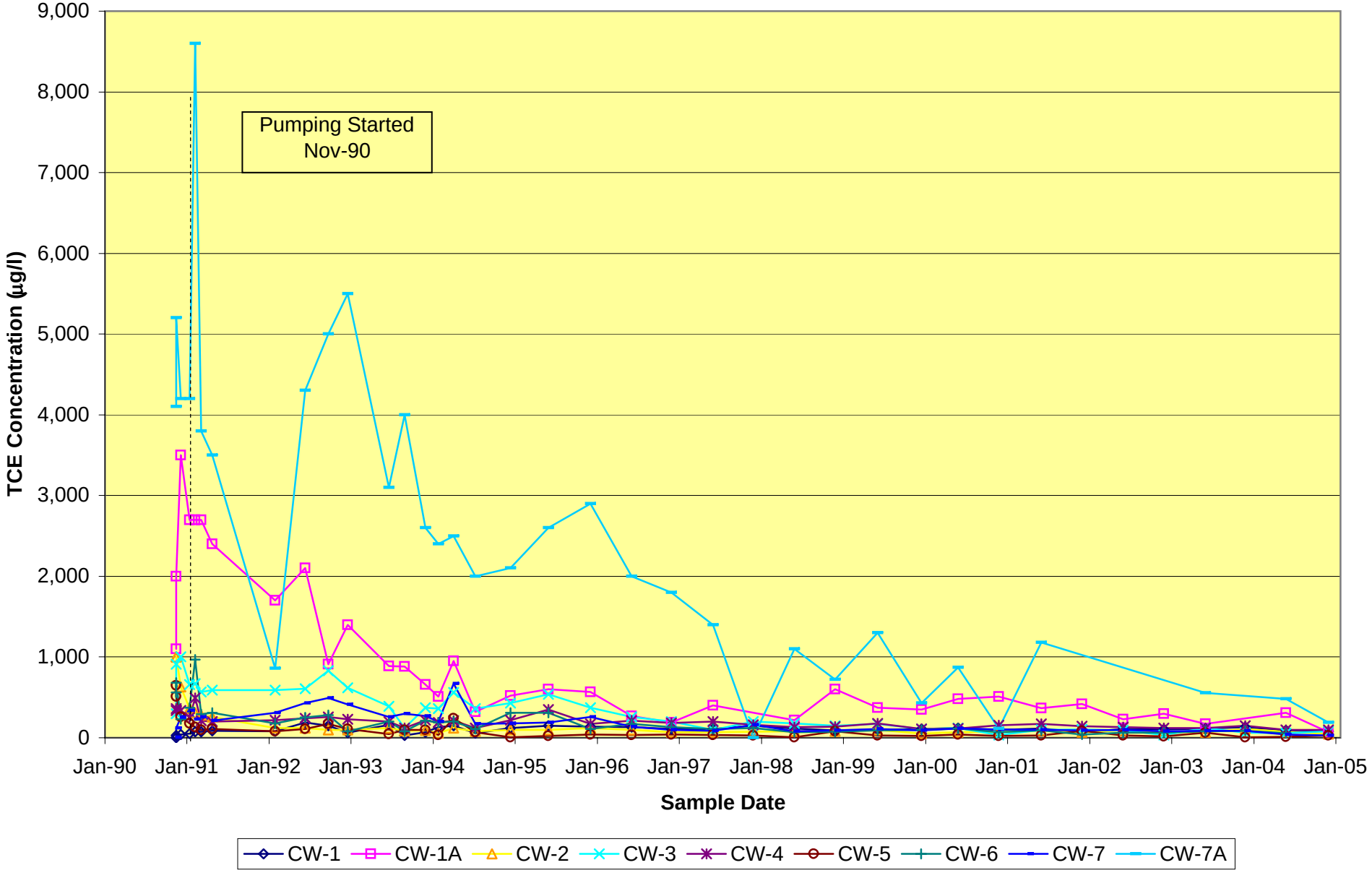

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Figure 5-3
Predominant VOC Concentrations - Extraction Well CW-1
Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations
1425 Eden Road, York PA 17402

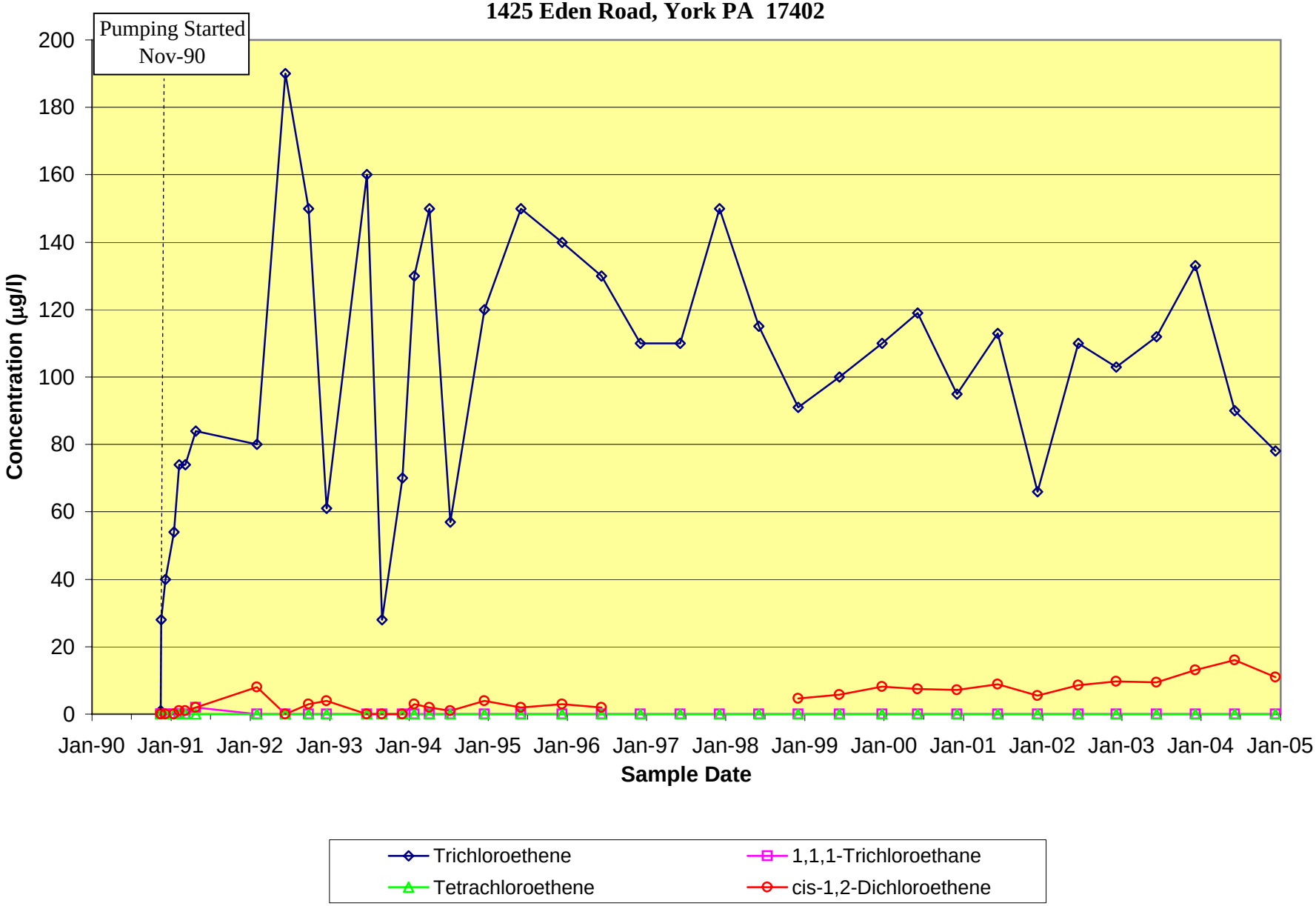

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Figure 5-4
Predominant VOC Concentrations - Extraction Well CW-1A
Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations
1425 Eden Road, York PA 17402

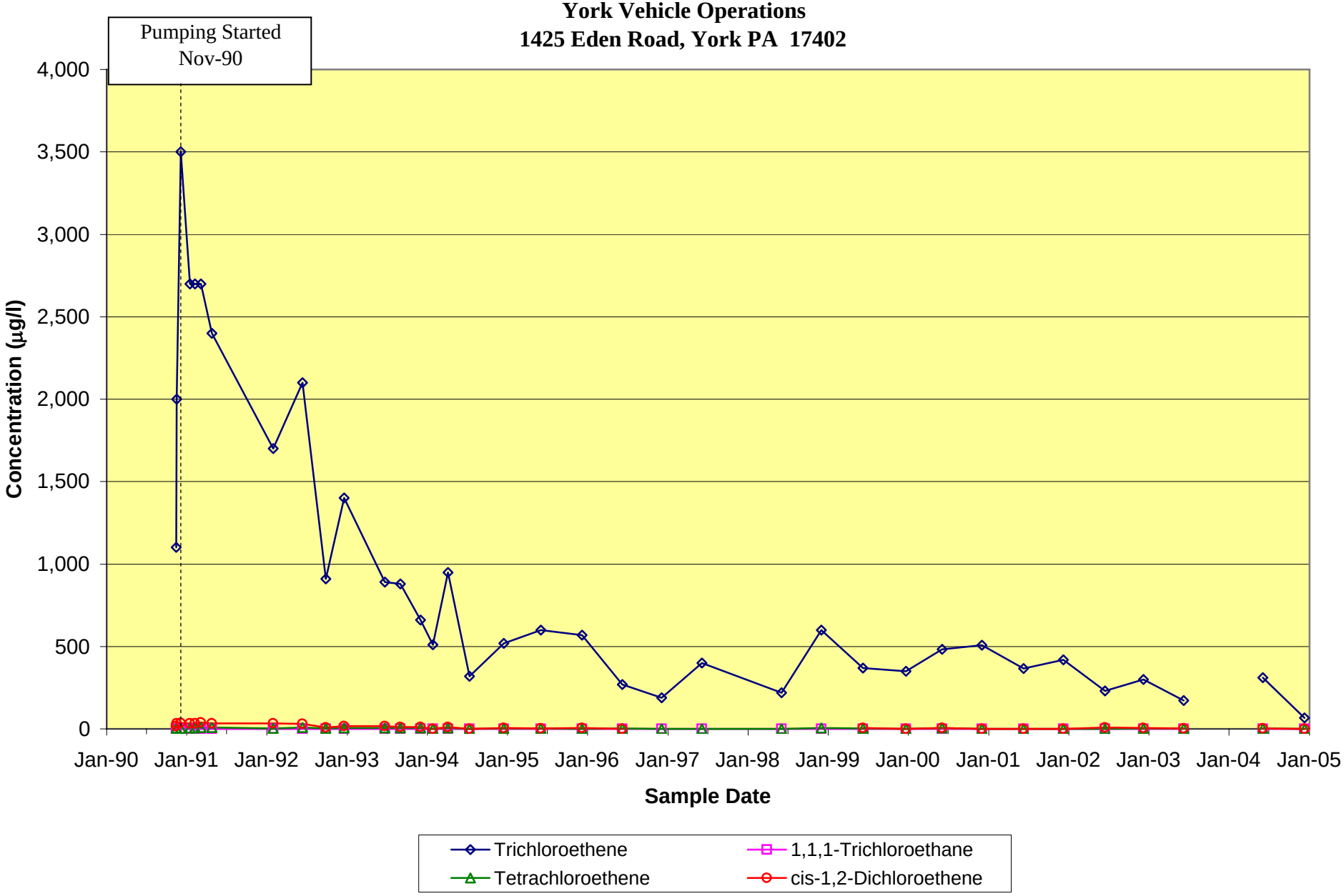

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Figure 5-5
Predominant VOC Concentrations - Extraction Well CW-2
Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations
1425 Eden Road, York PA 17402

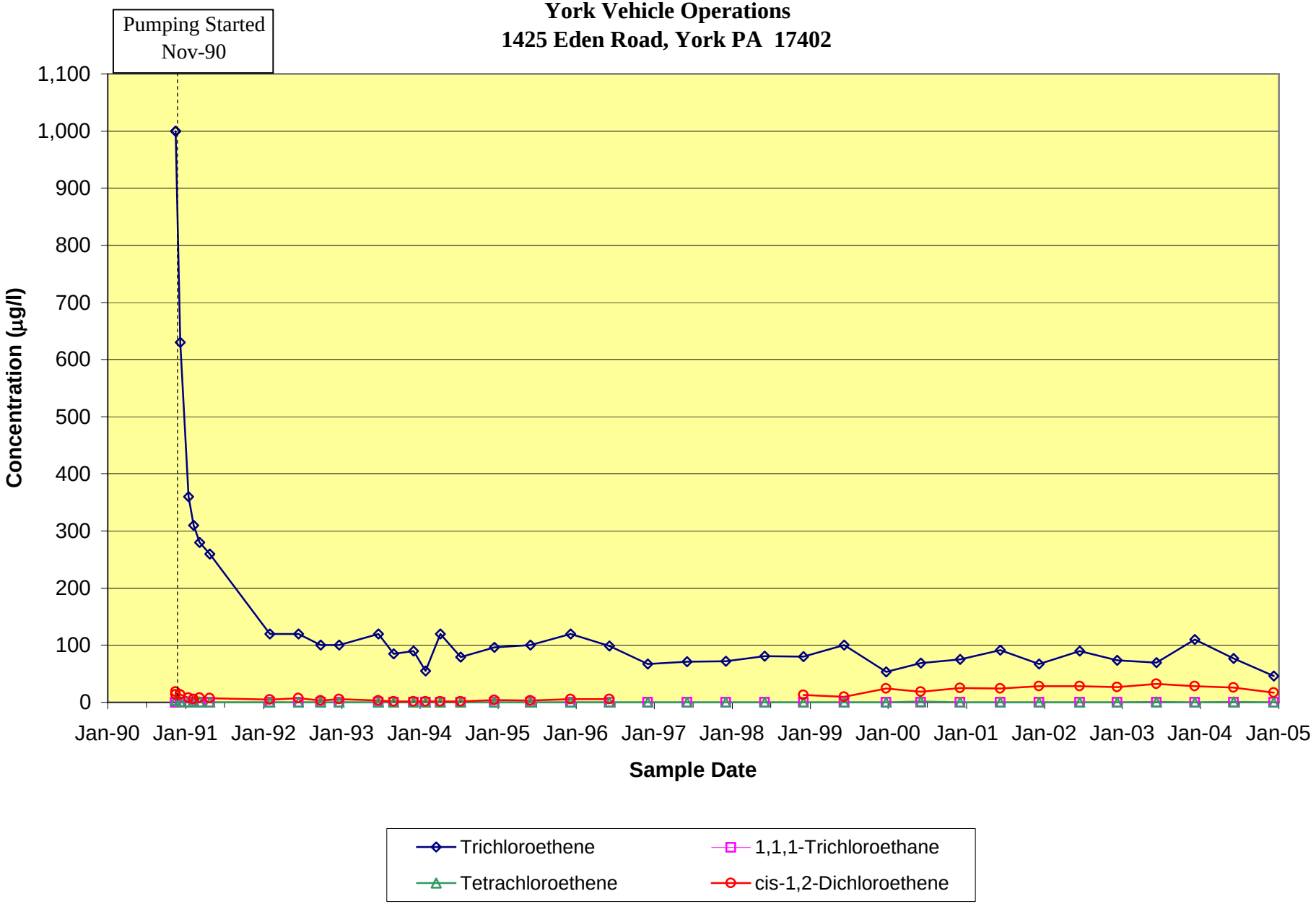

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Figure 5-6
Predominant VOC Concentrations - Extraction Well CW-3
Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations
1425 Eden Road, York PA 17402

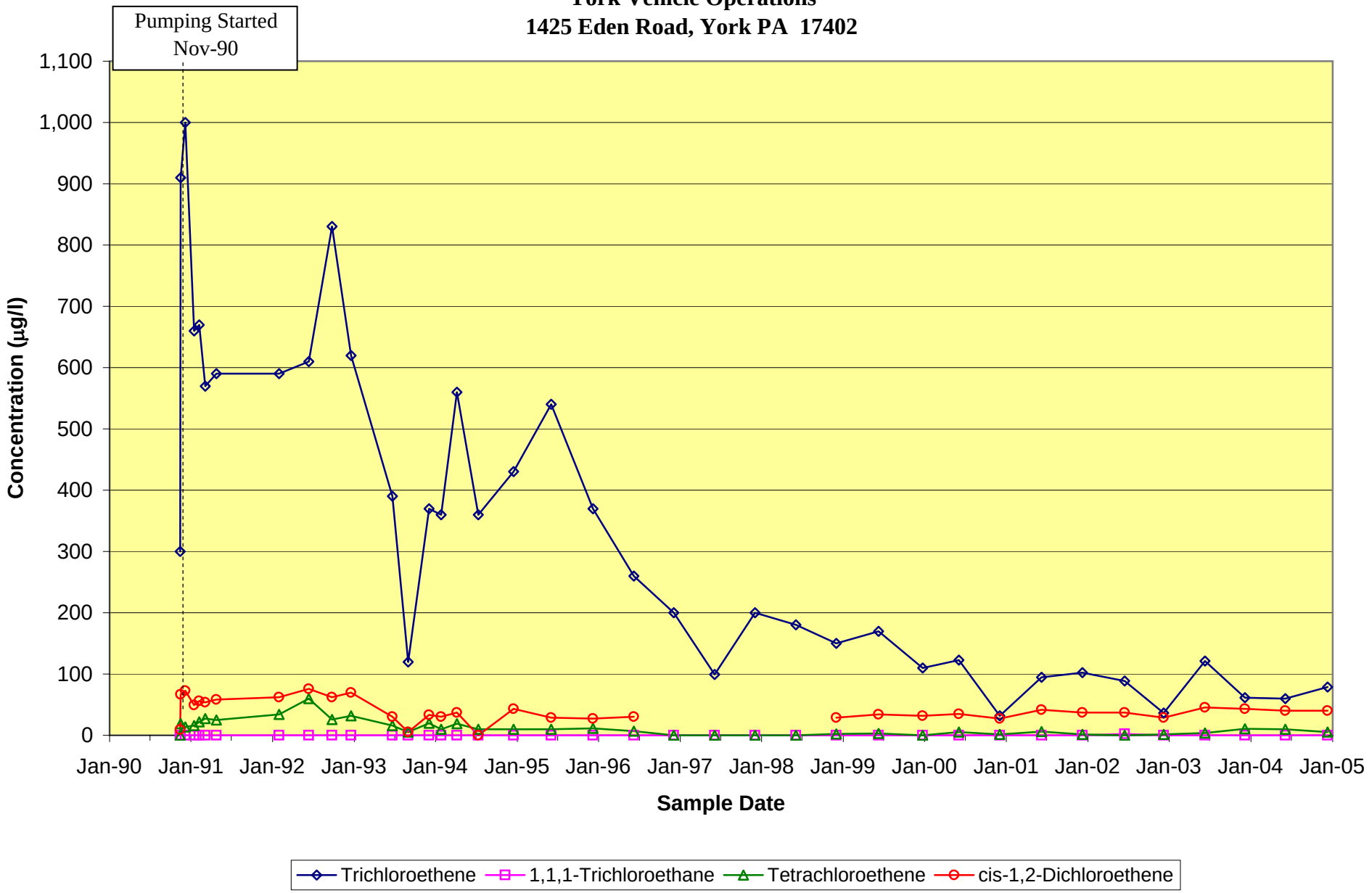

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Figure 5-7
Predominant VOC Concentrations - Extraction Well CW-4
Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations, Inc.
1425 Eden Road, York PA 17402

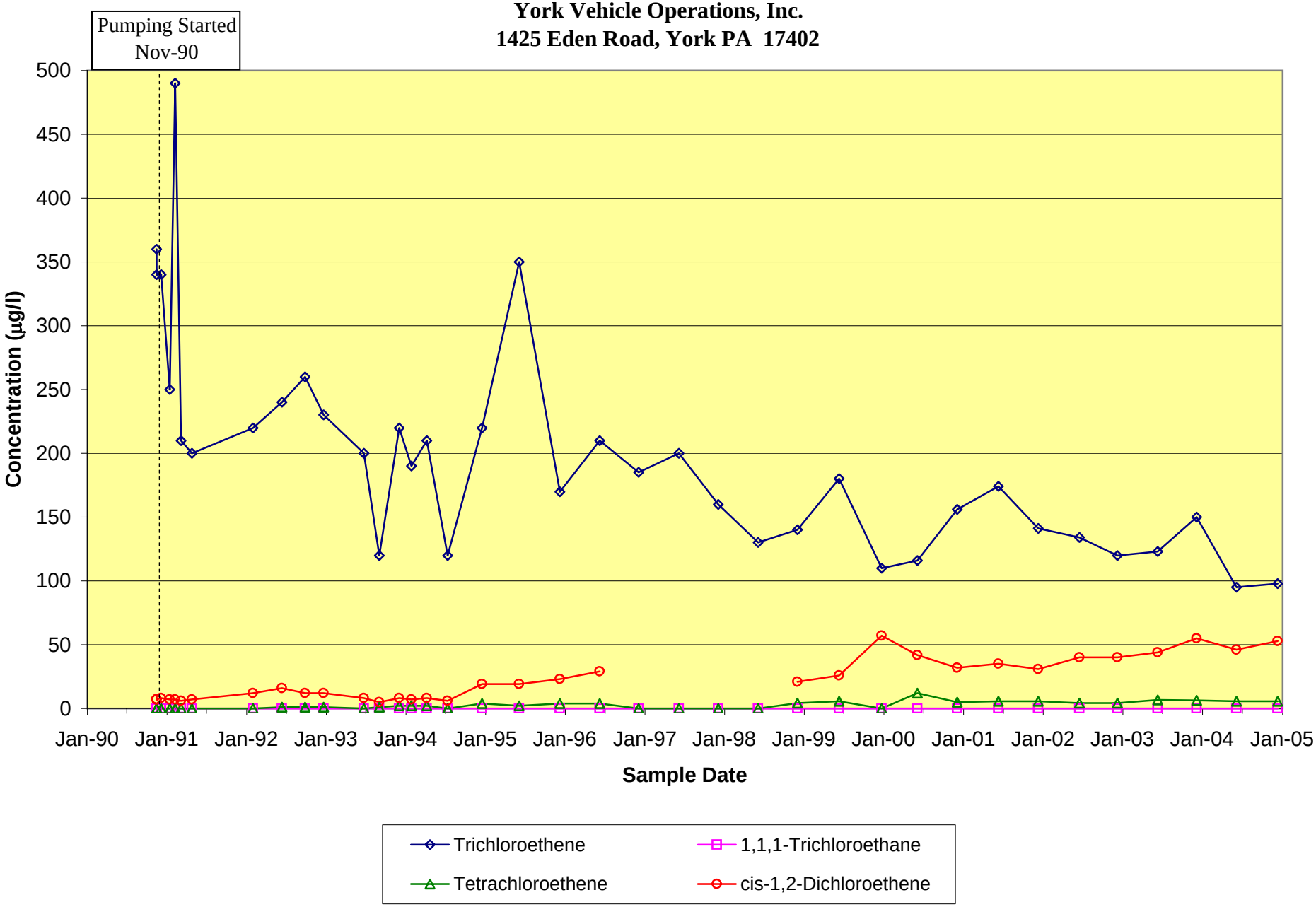

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Figure 5-8
Predominant VOC Concentrations - Extraction Well CW-5
Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations
1425 Eden Road, York PA 17402

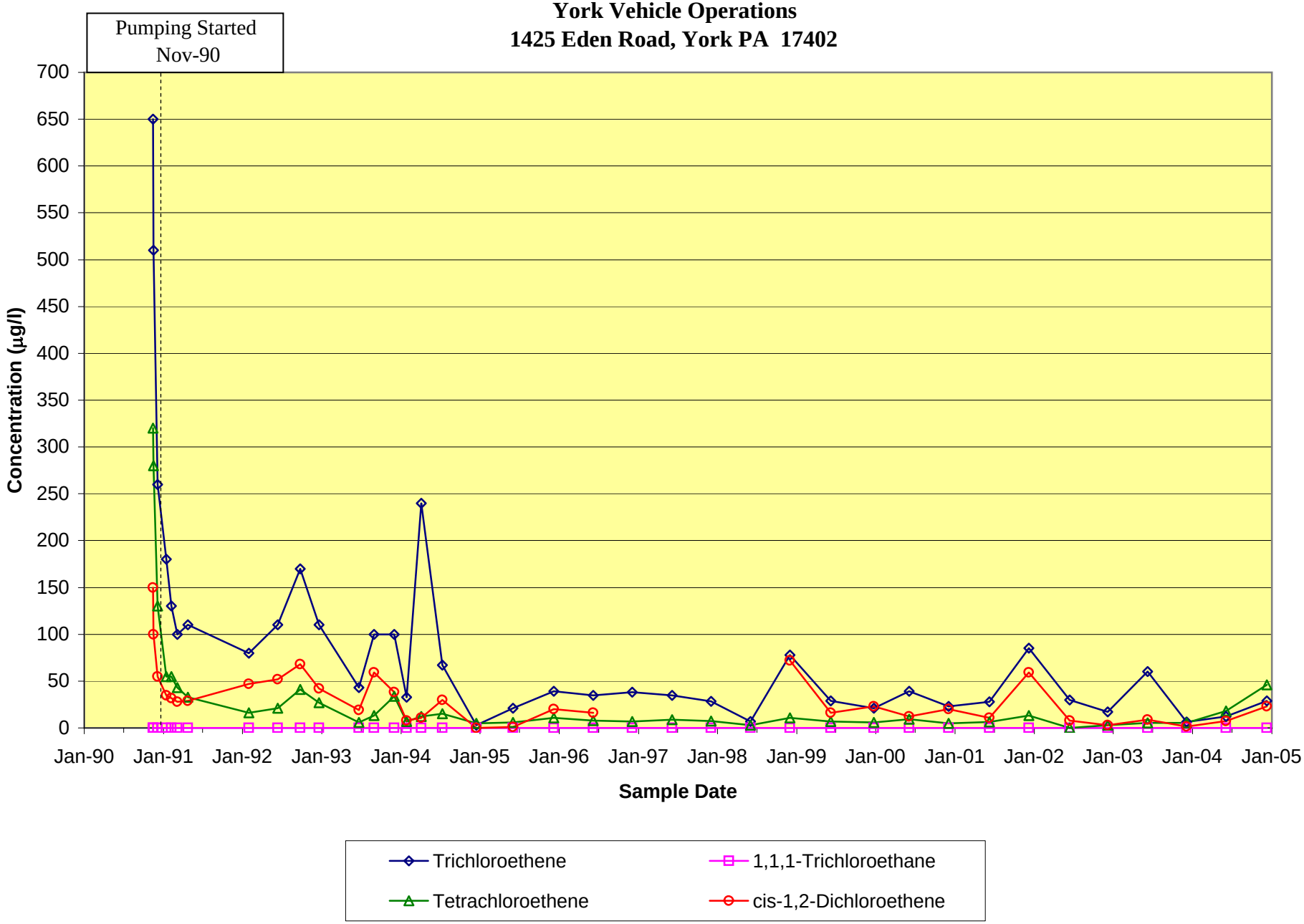

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Figure 5-9
Predominant VOC Concentrations - Extraction Well CW-6
Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations
1425 Eden Road, York PA 17402

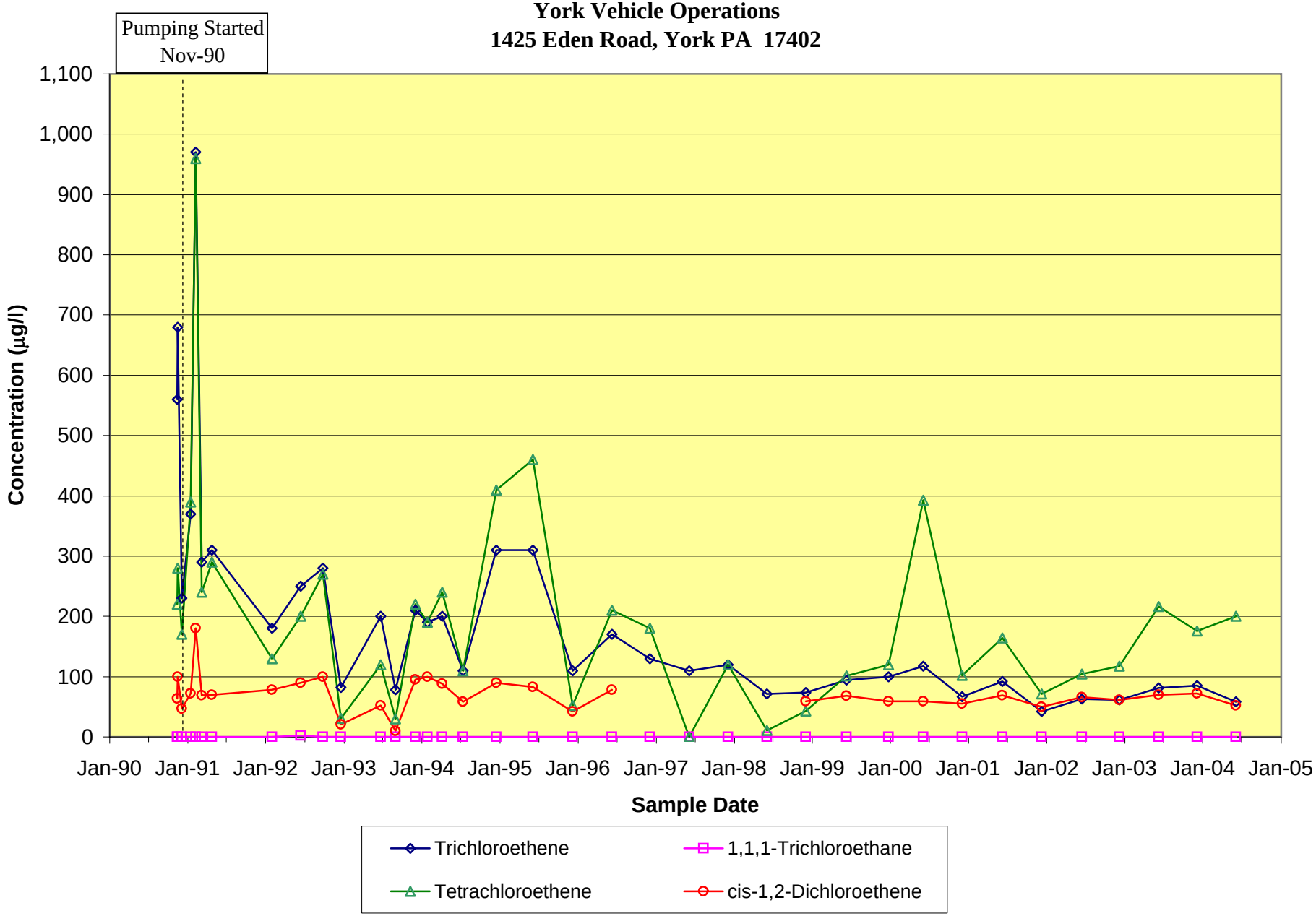

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Figure 5-10
Predominant VOC Concentrations - Extraction Well CW-7
Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations
1425 Eden Road, York PA 17402

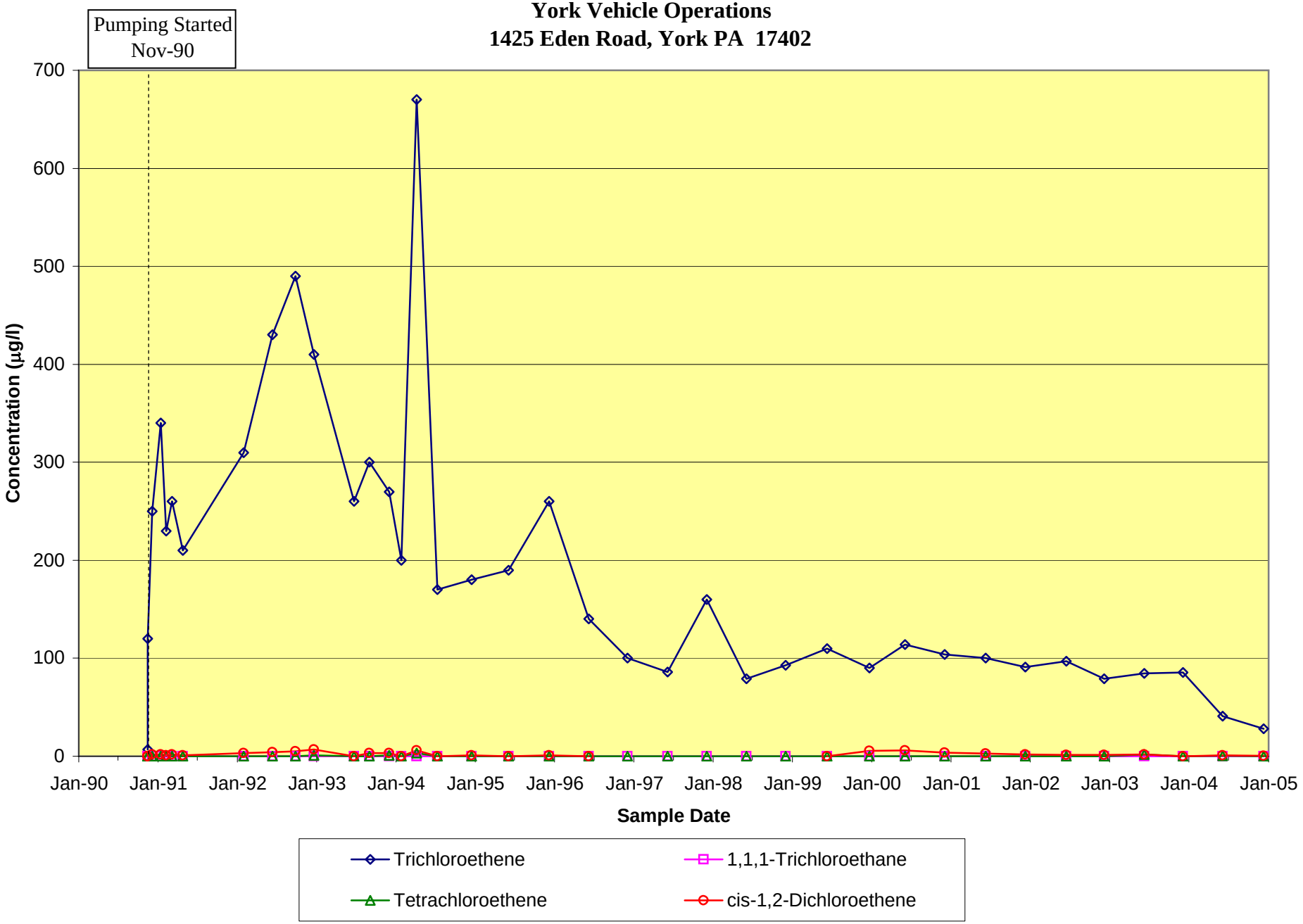

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Figure 5-11
Predominant VOC Concentrations - Extraction Well CW-7A
Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations
1425 Eden Road, York PA 17402

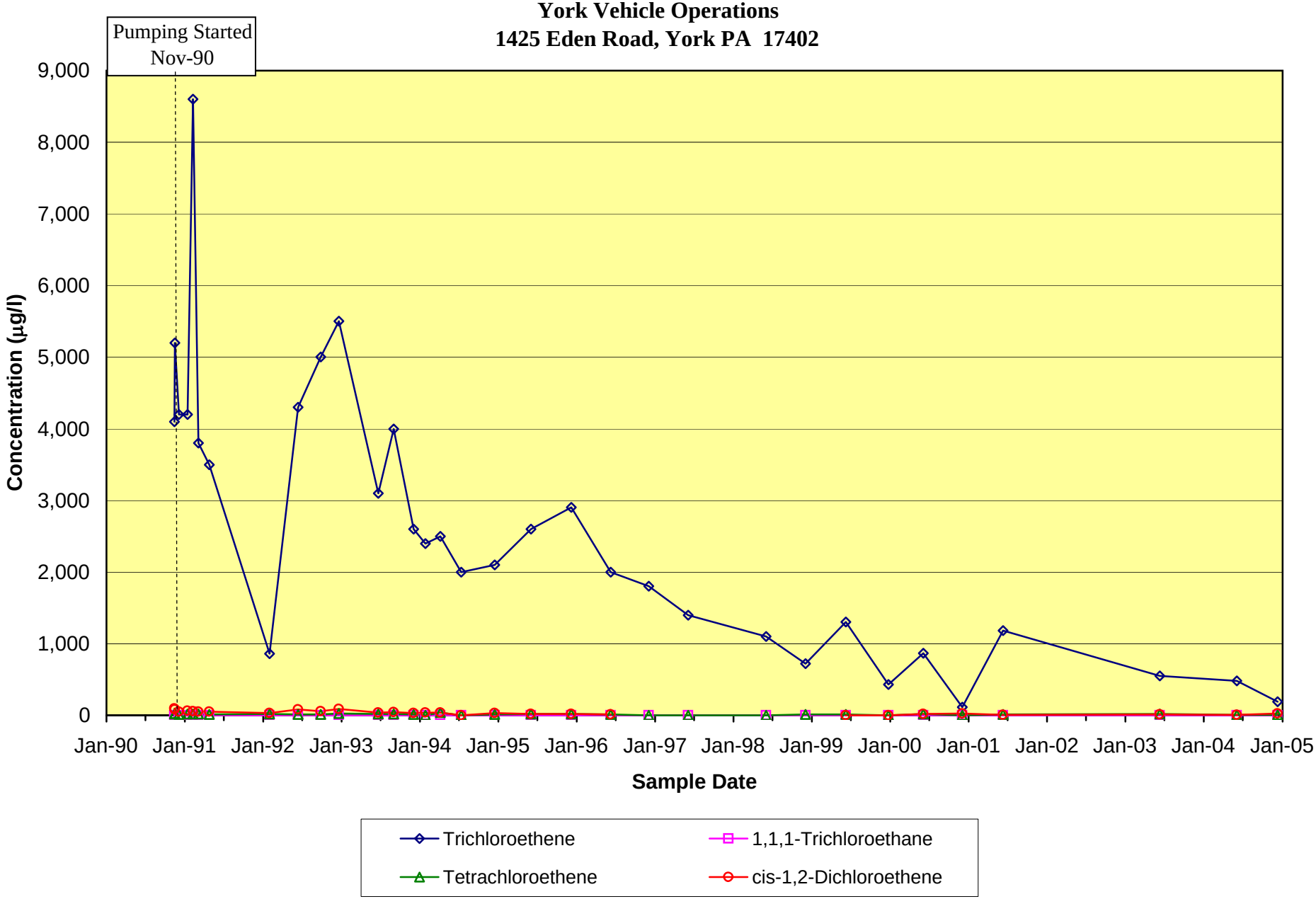

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Figure 5-12
TCE in NPBA Key Monitoring Wells
Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations
1425 Eden Road, York PA 17402

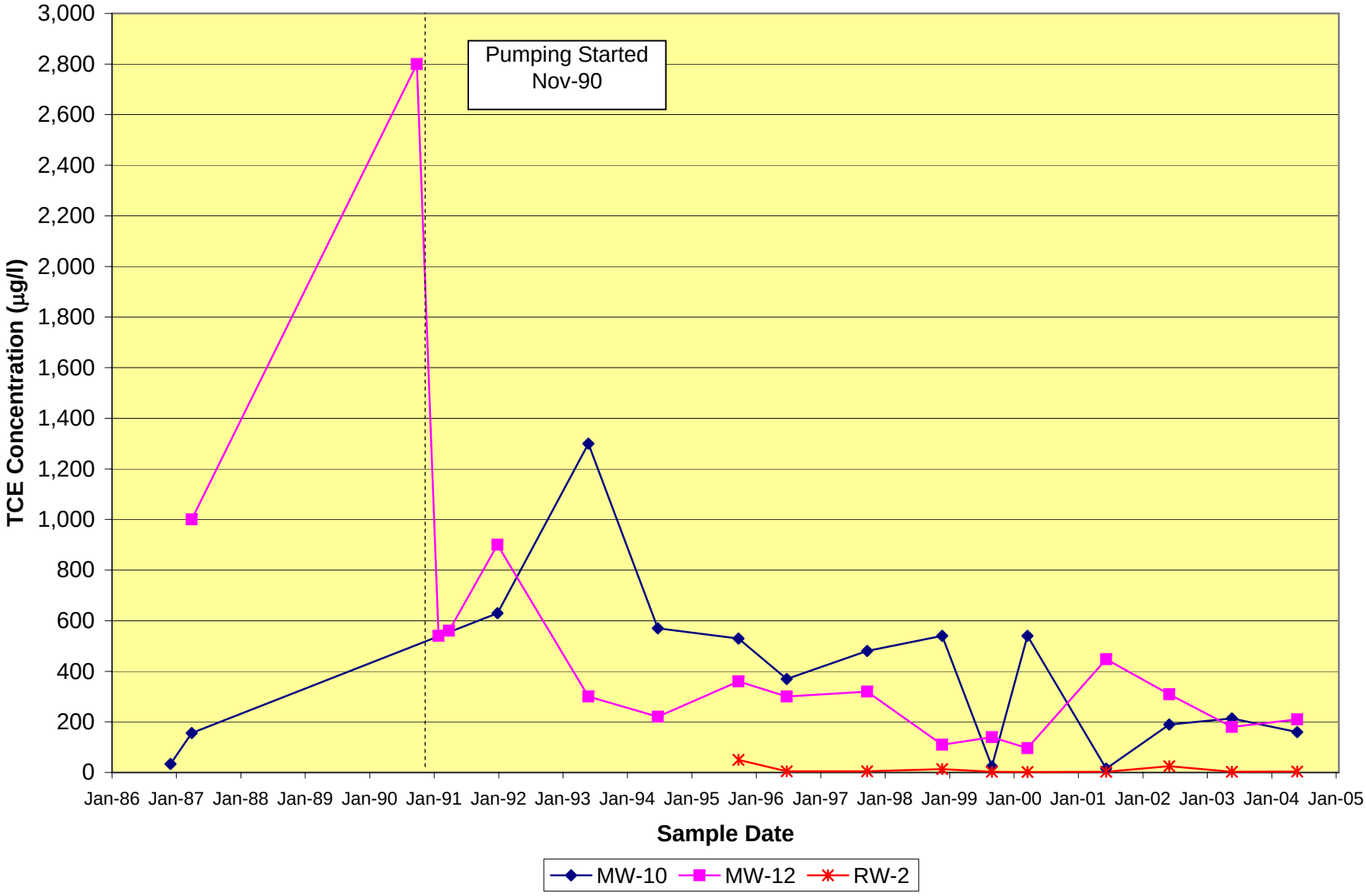

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Figure 6-1
TCA in TCA Tank Area Extraction Wells
Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations
1425 Eden Road, York PA 17402

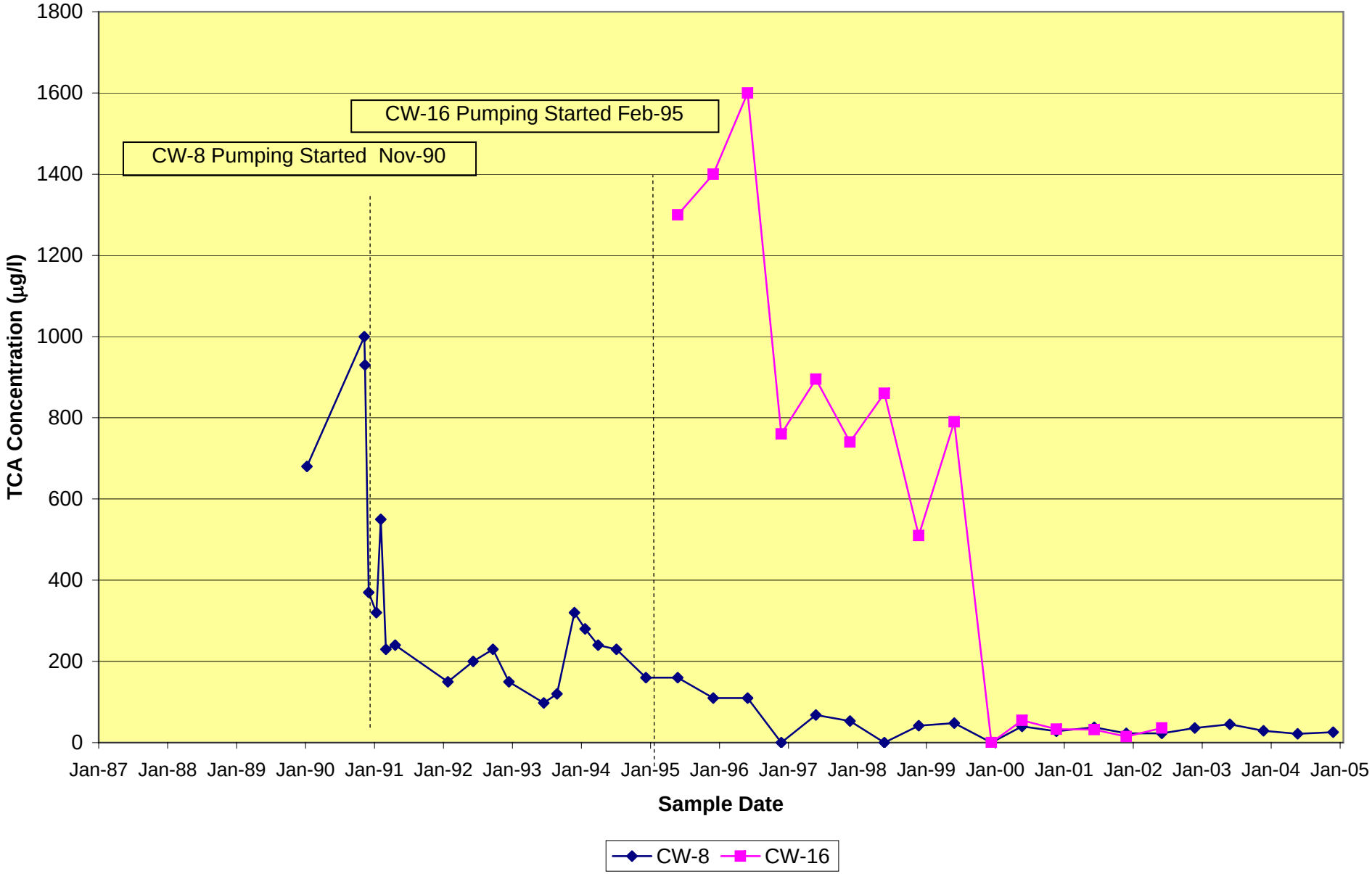

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Figure 6-2
TCA in TCA Tank Area Monitoring Wells
Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations
1425 Eden Road, York PA 17402

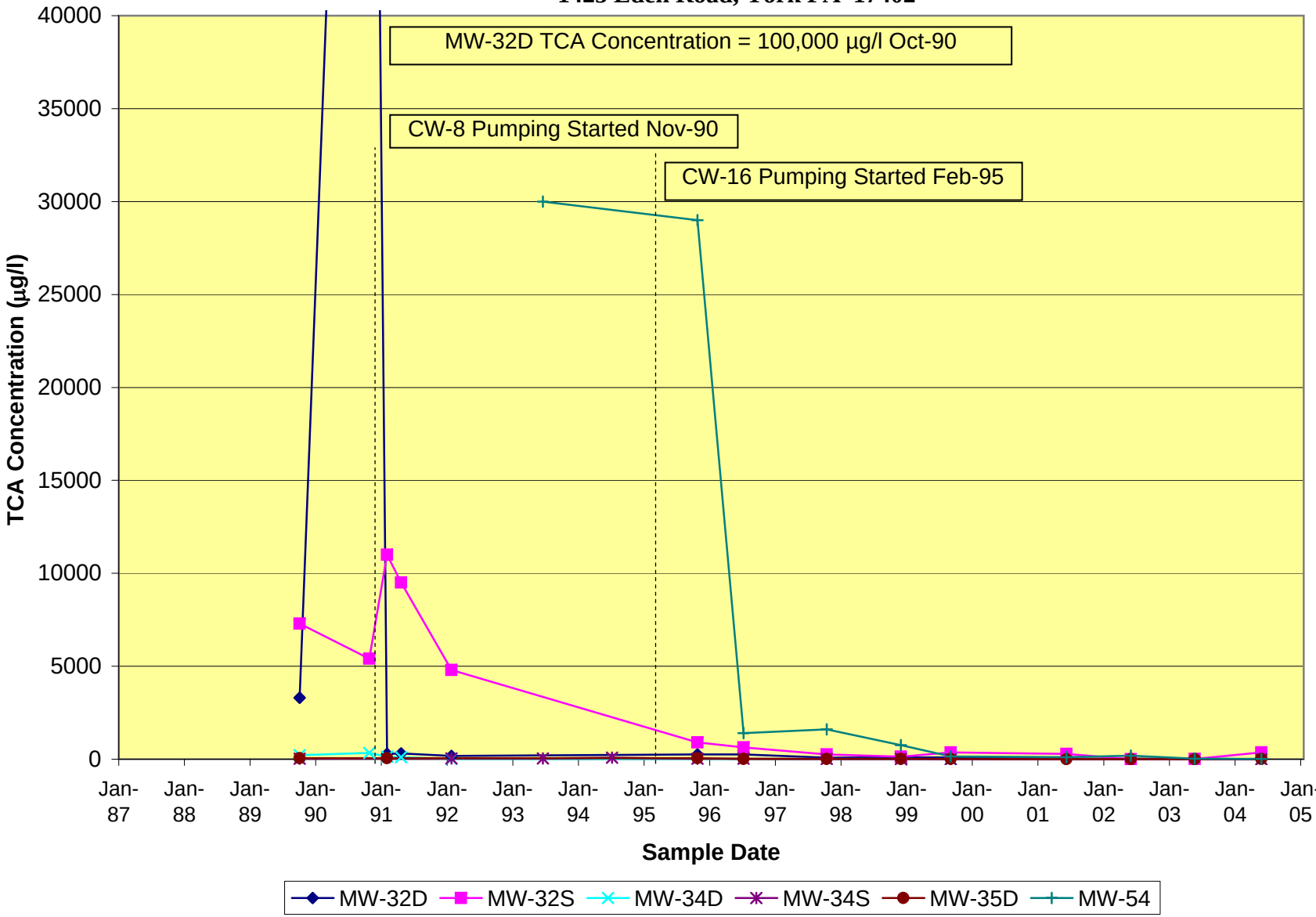

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Figure 6-3
TCE in TCA Tank Area Extraction Wells
Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations
1425 Eden Road, York PA 17402

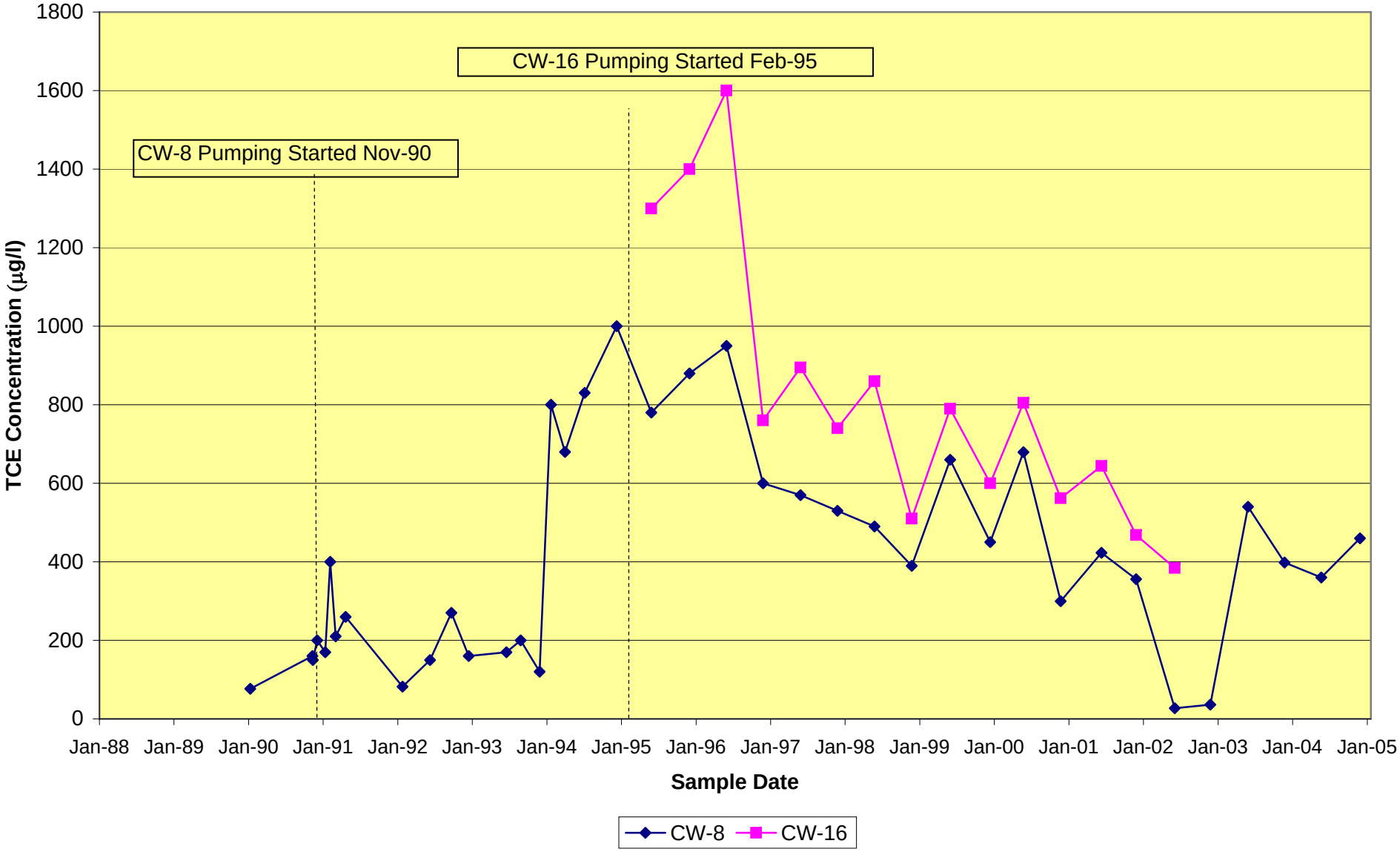

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Figure 6-4
Predominant VOC Concentrations - Extraction Well CW-8
Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations
1425 Eden Road, York PA 17402

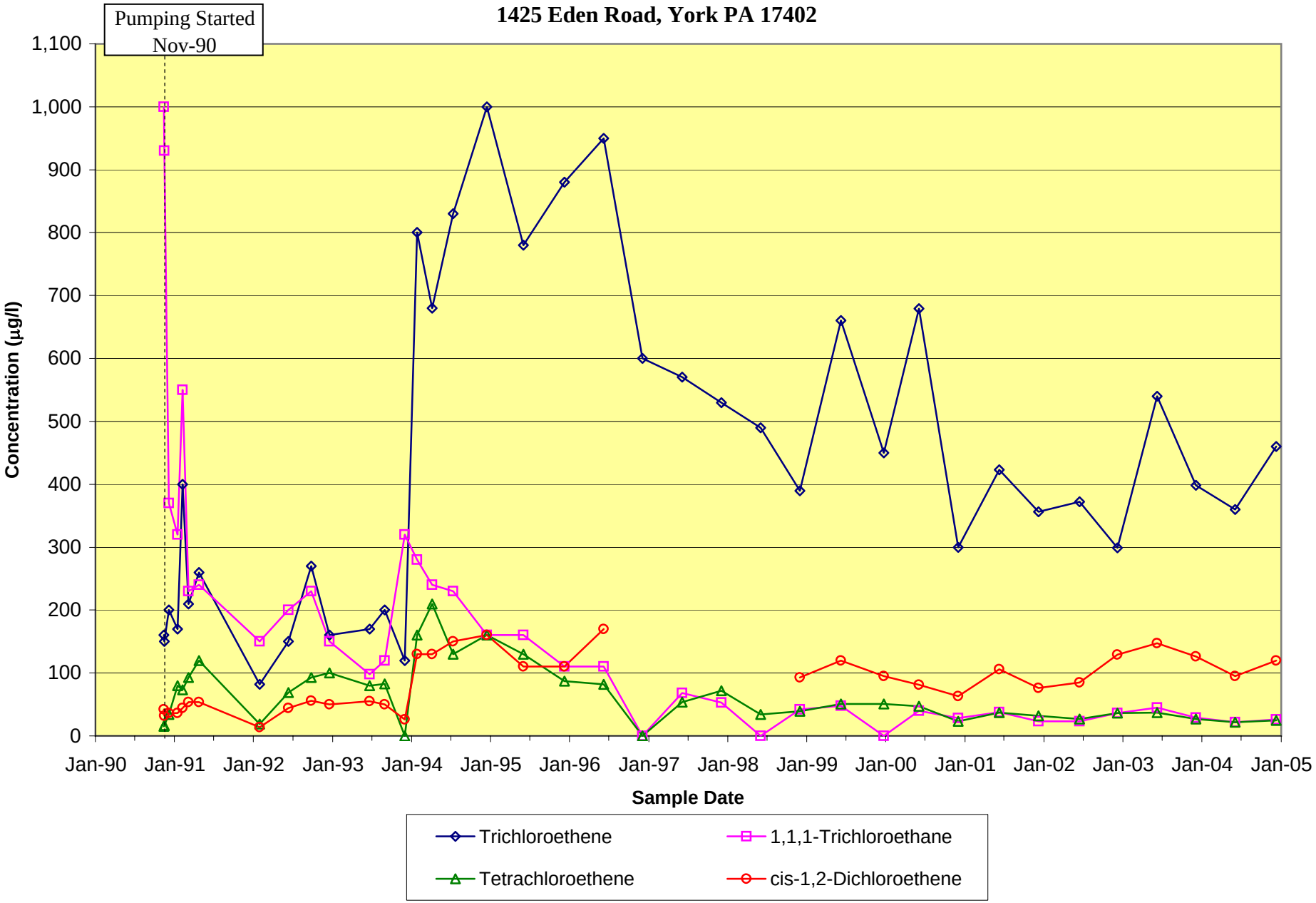

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Figure 6-5
TCE in TCA Area Monitoring Wells
Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations
1425 Eden Road, York PA 17402

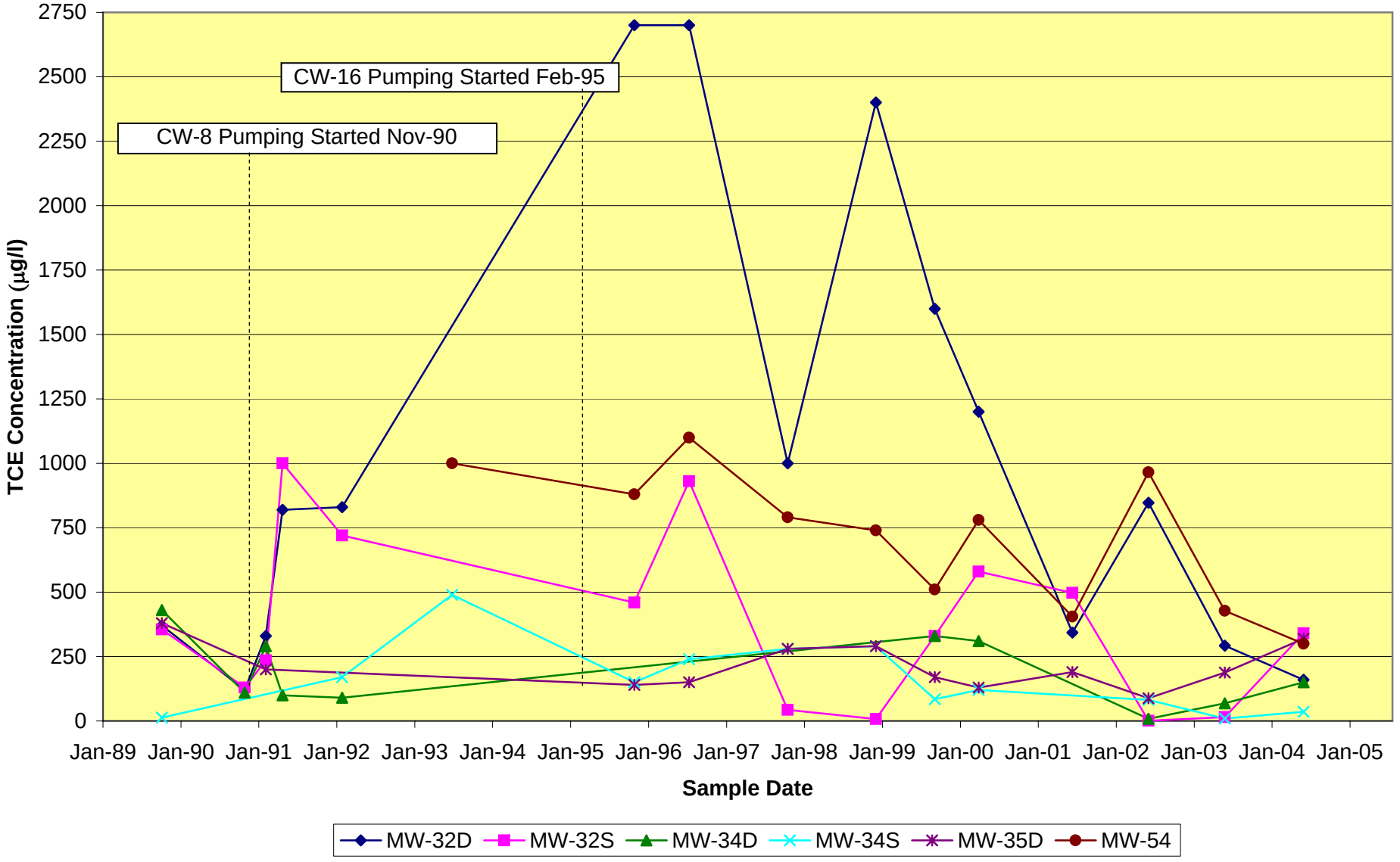

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Figure 7-1
TCE in Northern WPL Monitoring Wells
Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations
1425 Eden Road, York PA 17402

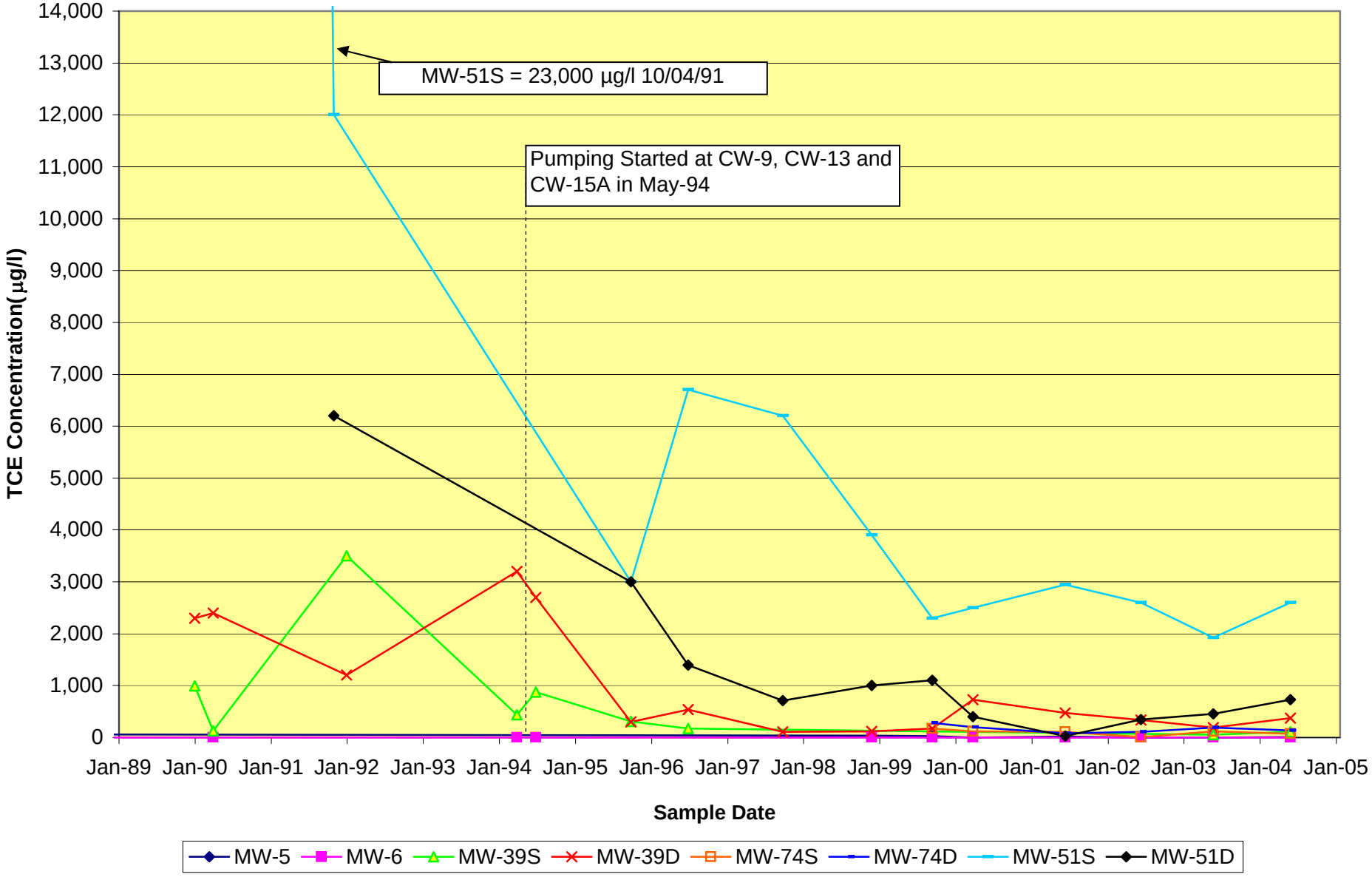

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Figure 7-2
TCE in Southern WPL Monitoring Wells
Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations
1425 Eden Road, York PA 17402

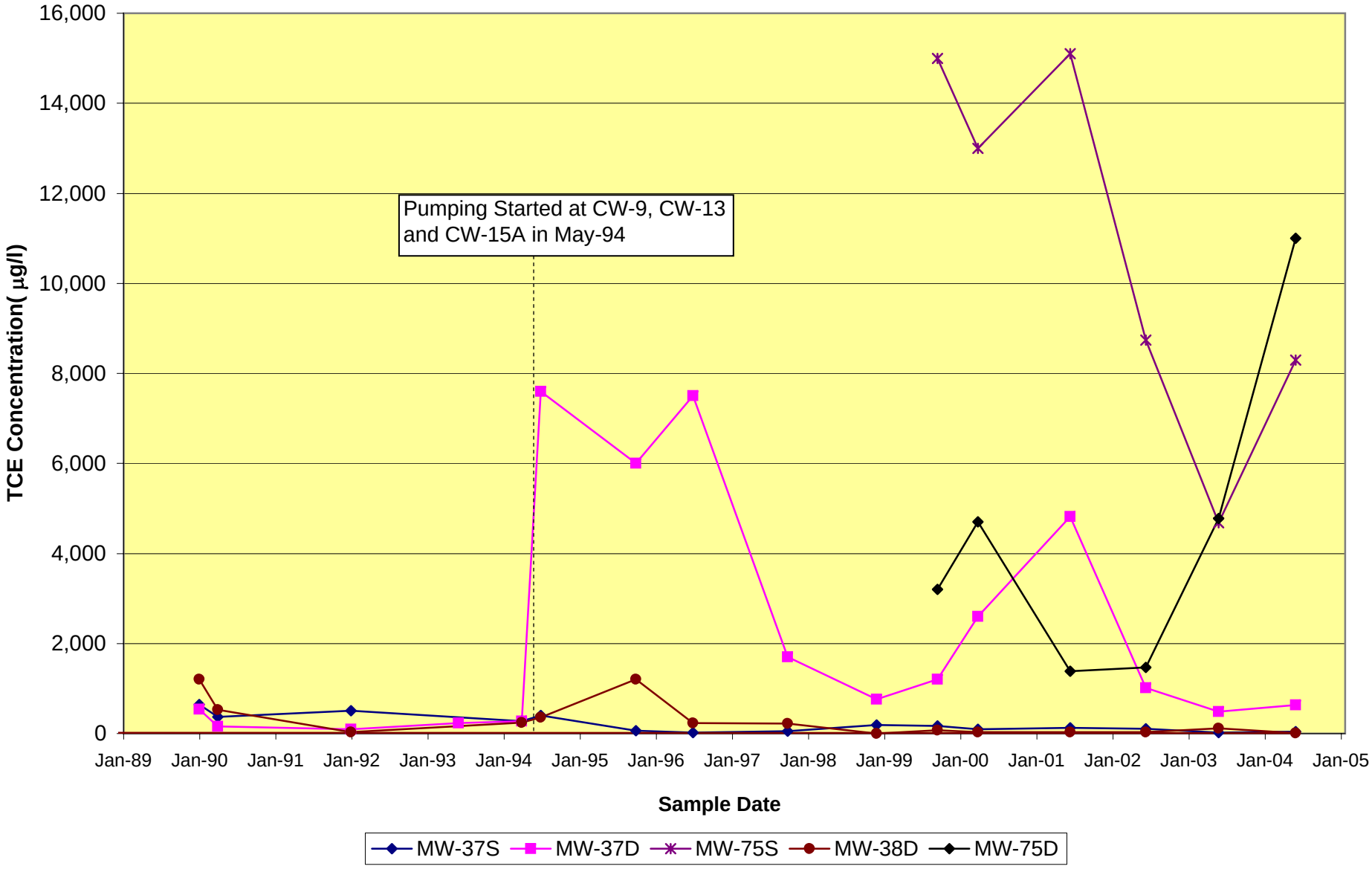

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Figure 7-3
TCE in WPL Extraction Wells
Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations
1425 Eden Road, York PA 17402

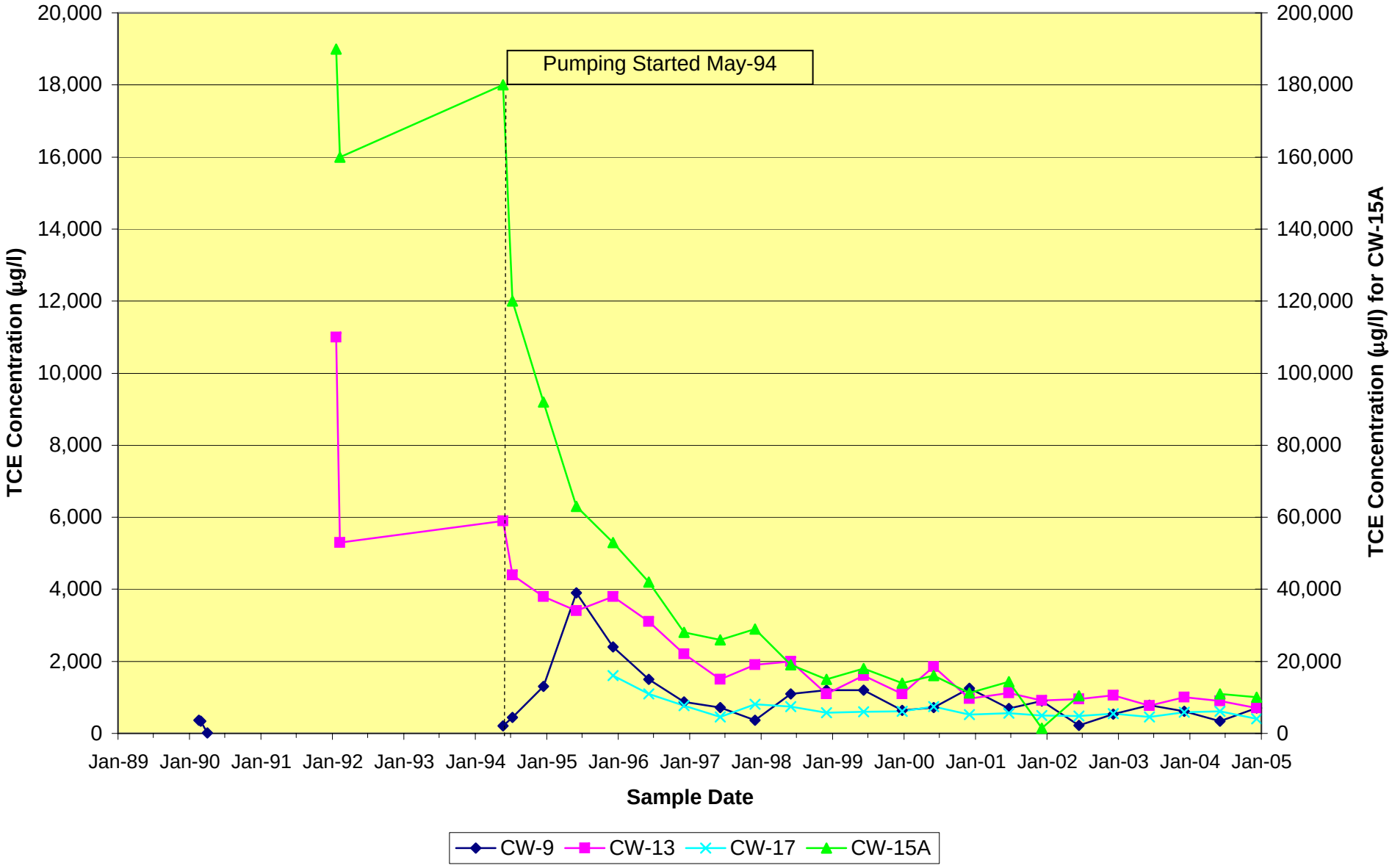

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Figure 7-4
Predominant VOC Concentrations - Extraction Well CW-9
Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations
1425 Eden Road, York PA 17402

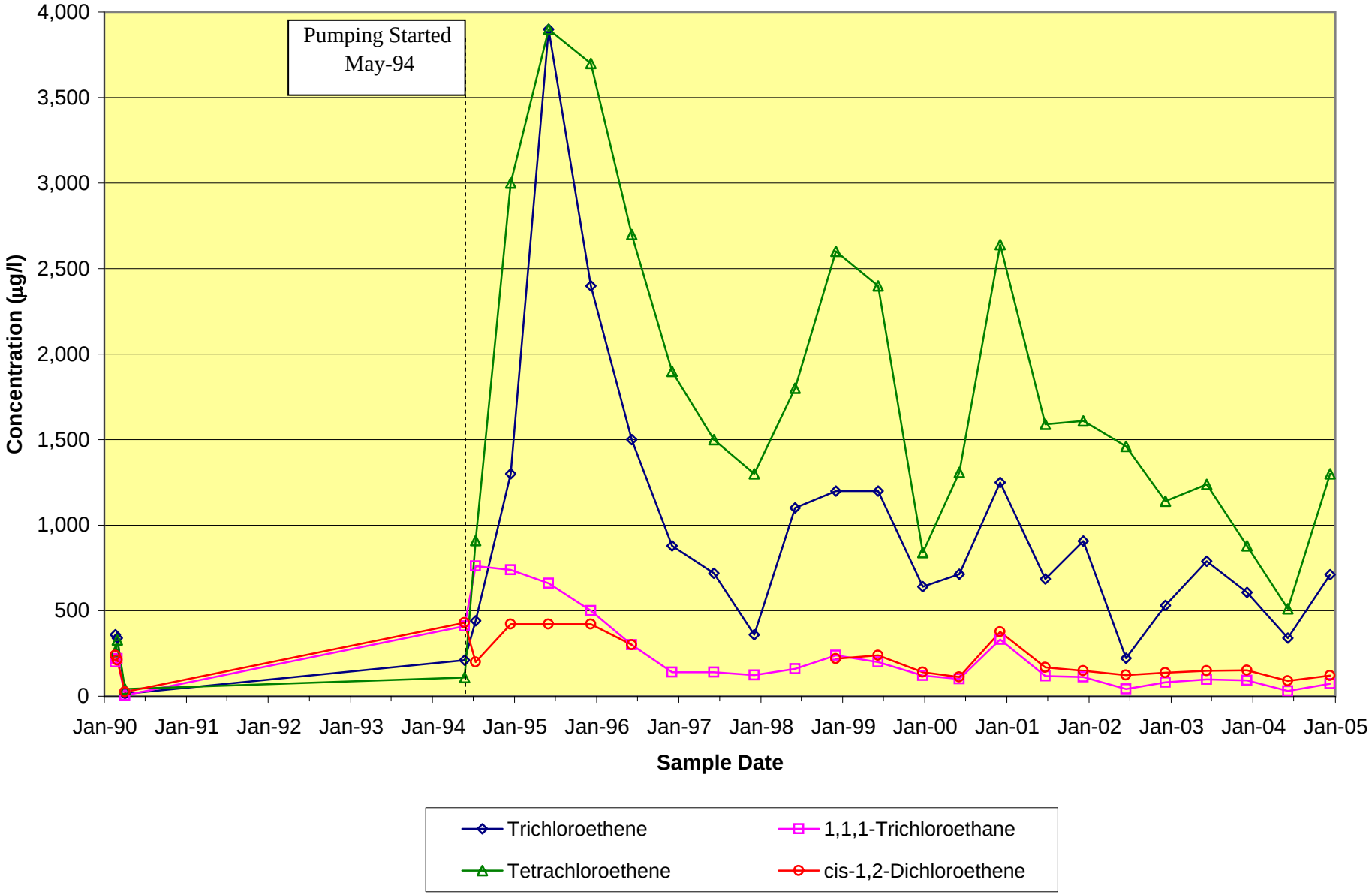

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Figure 7-5
Predominant VOC Concentrations - Extraction Well CW-13
Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations
1425 Eden Road, York PA 17402

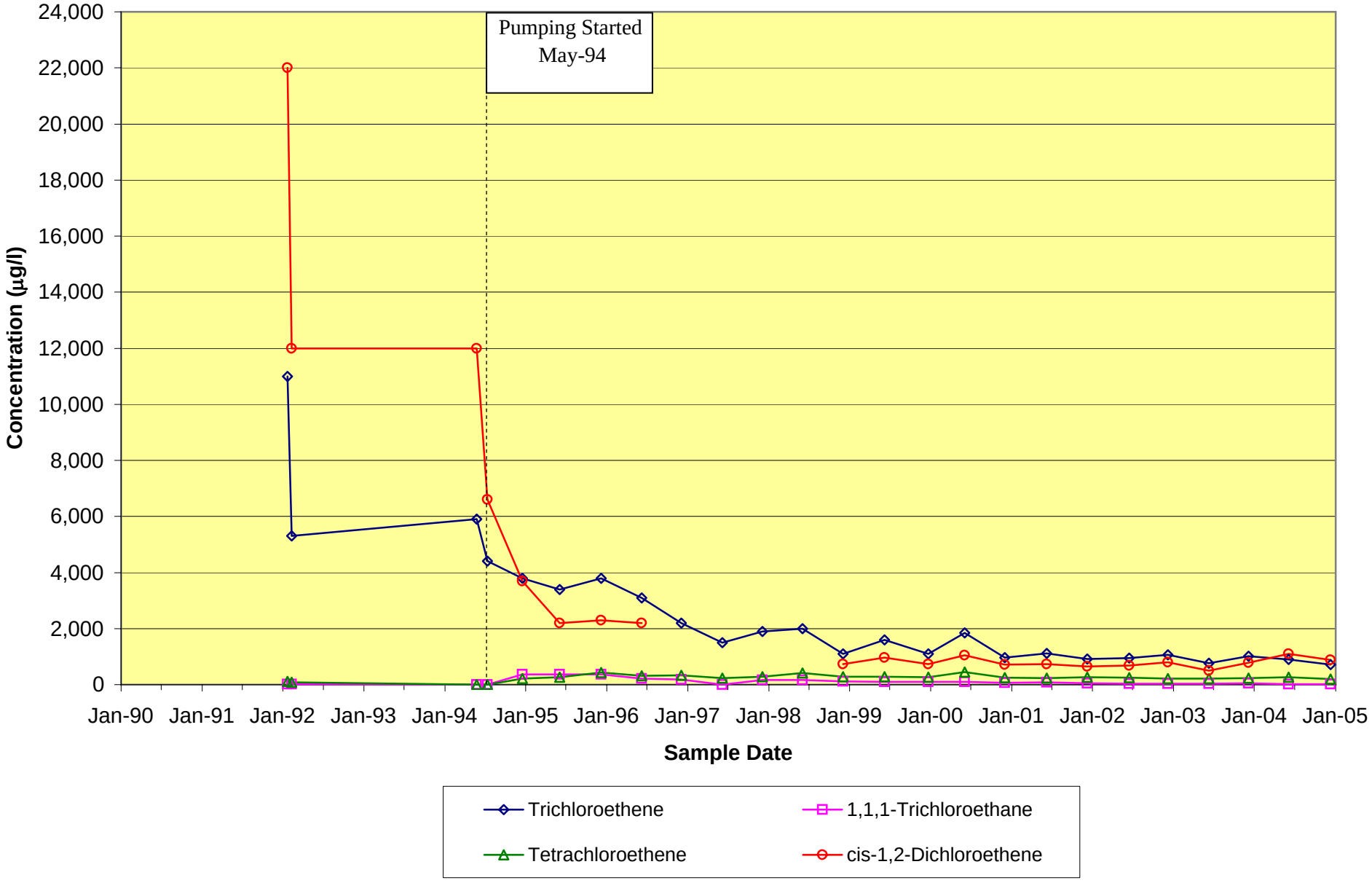

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Figure 7-6
Predominant VOC Concentrations - Extraction Well CW-15A
Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations
1425 Eden Road, York PA 17402

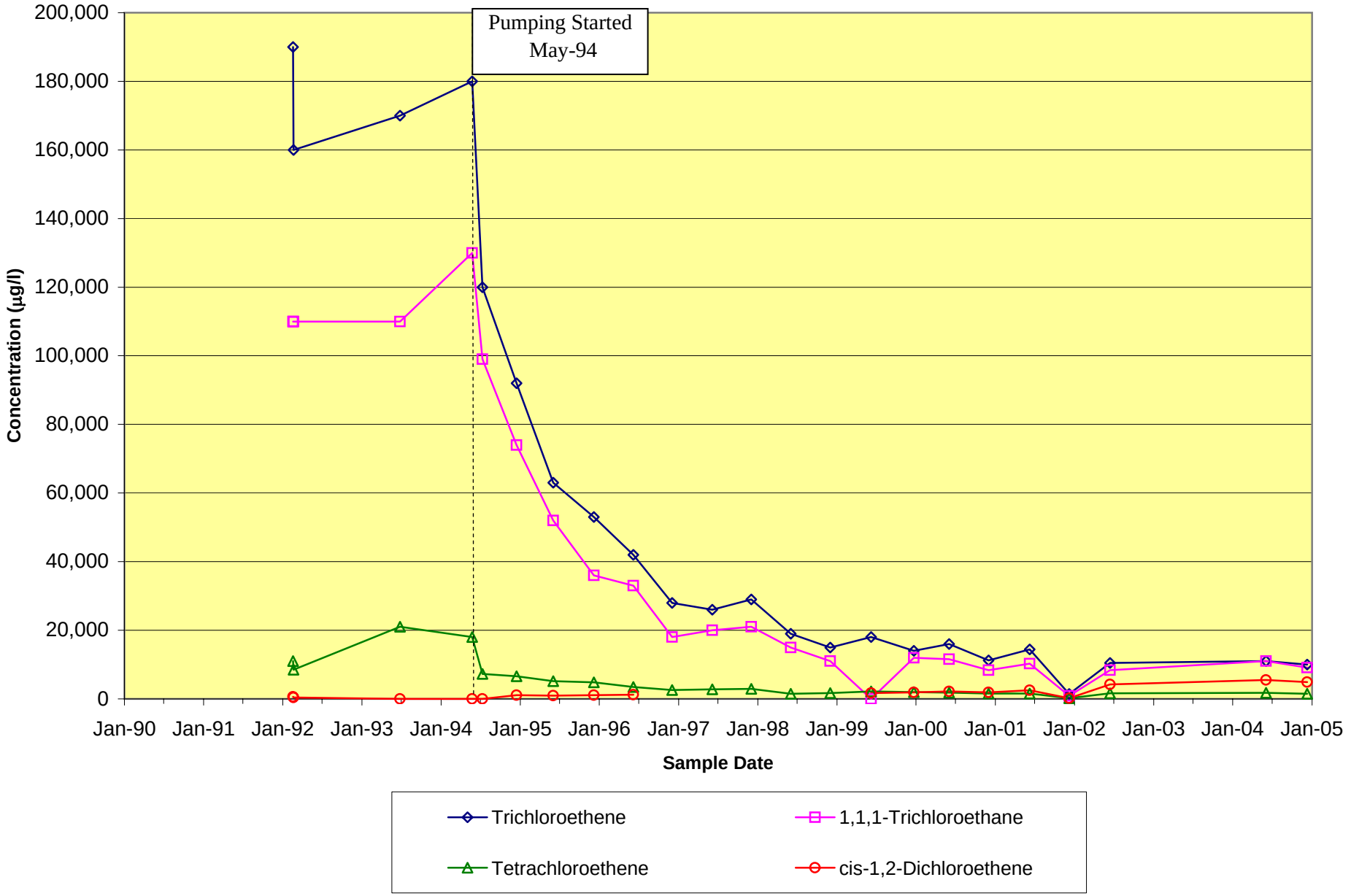

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Figure 7-7

Predominant VOC Concentrations
Extraction Wells CW-14 and CW-17
York Vehicle Operations
1425 Eden Road, York PA 17402

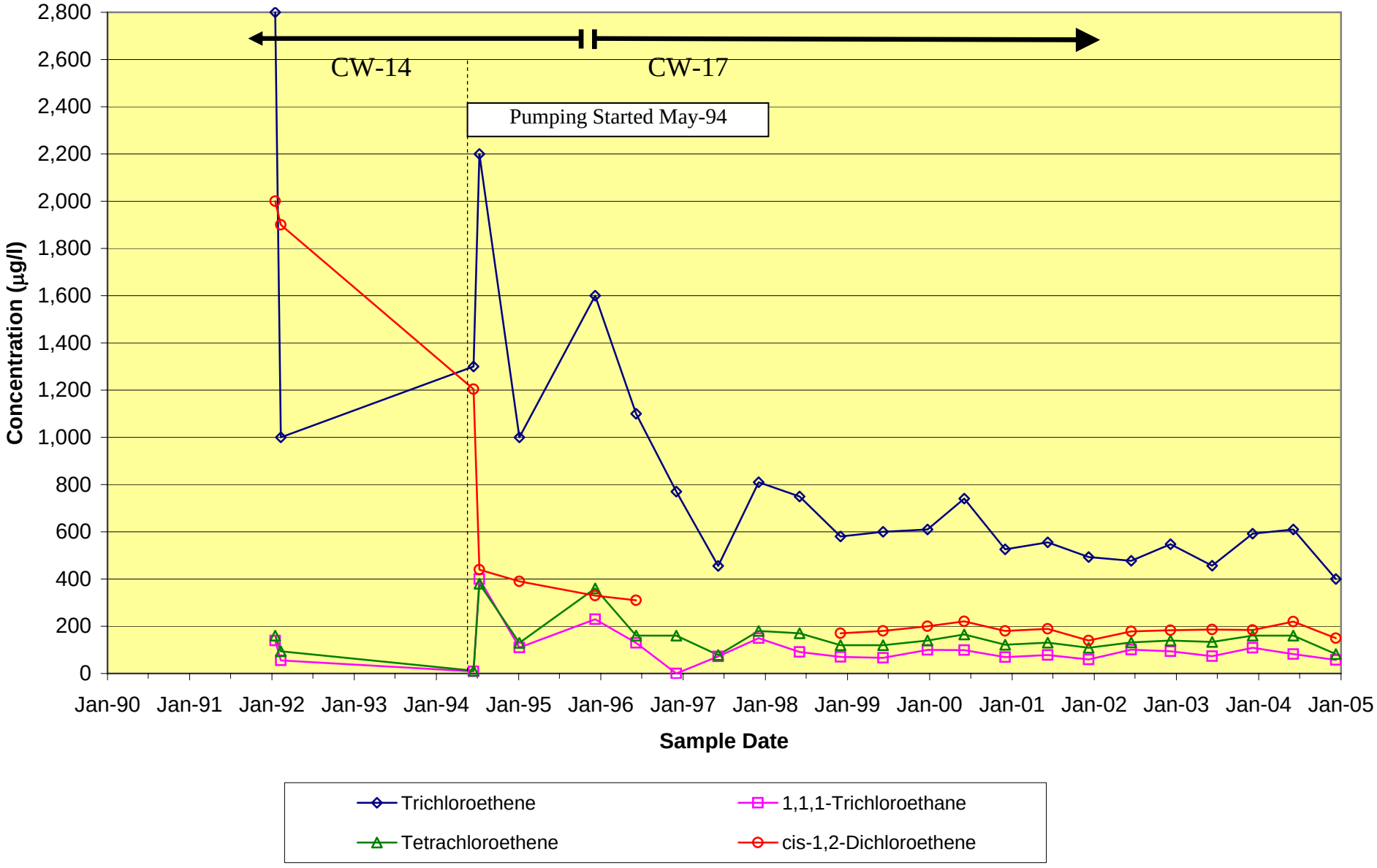

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Figure 9-1
TCE in SPBA Monitoring Wells
Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations
1425 Eden Road, York PA 17402

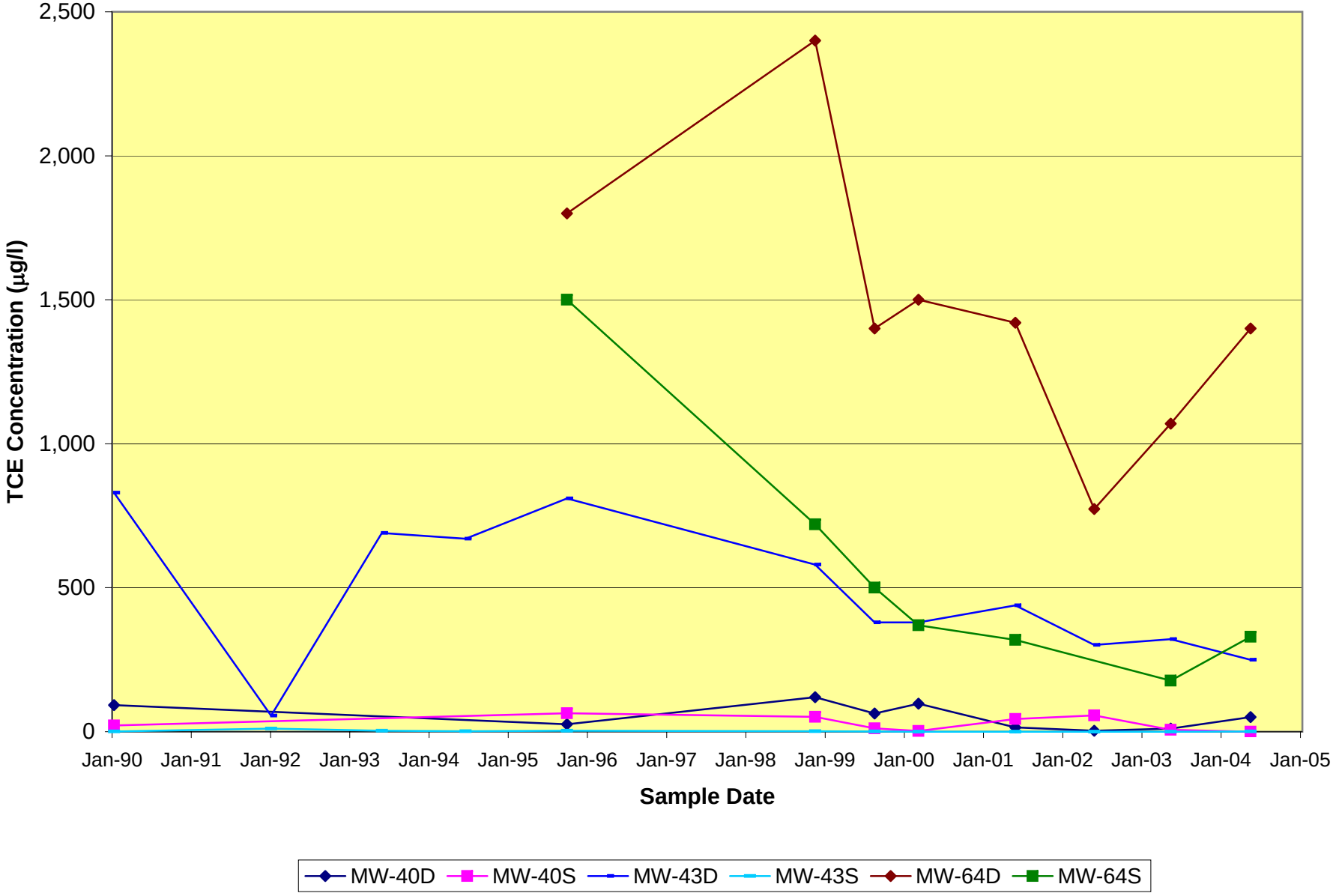

Figure 10-1
PCE in Eastern Area Monitoring Wells
Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations
1425 Eden Road, York PA 17402

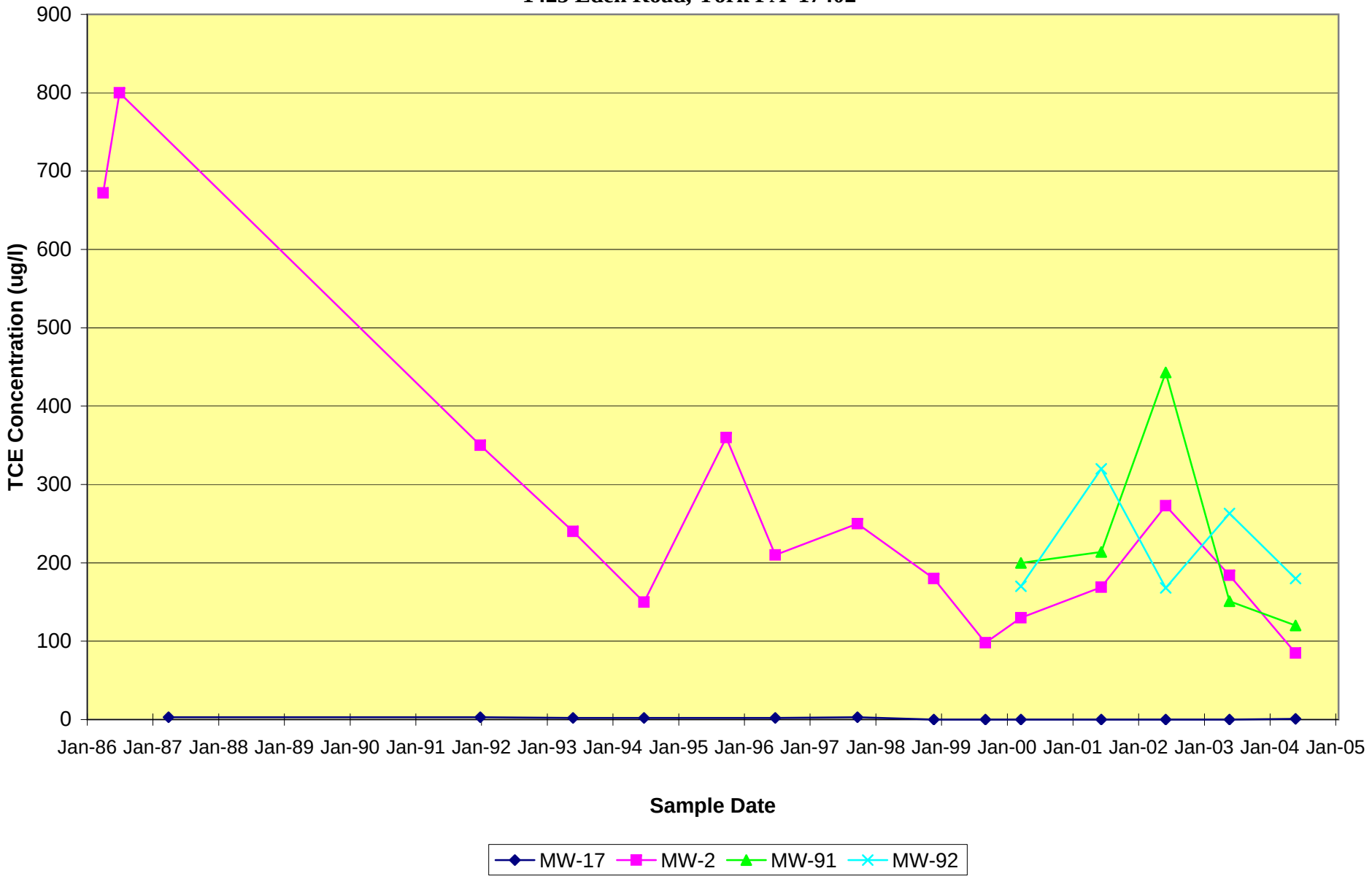

Figure 10-2
TCE in Eastern Area Monitoring Wells
Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations
1425 Eden Road, York PA 17402

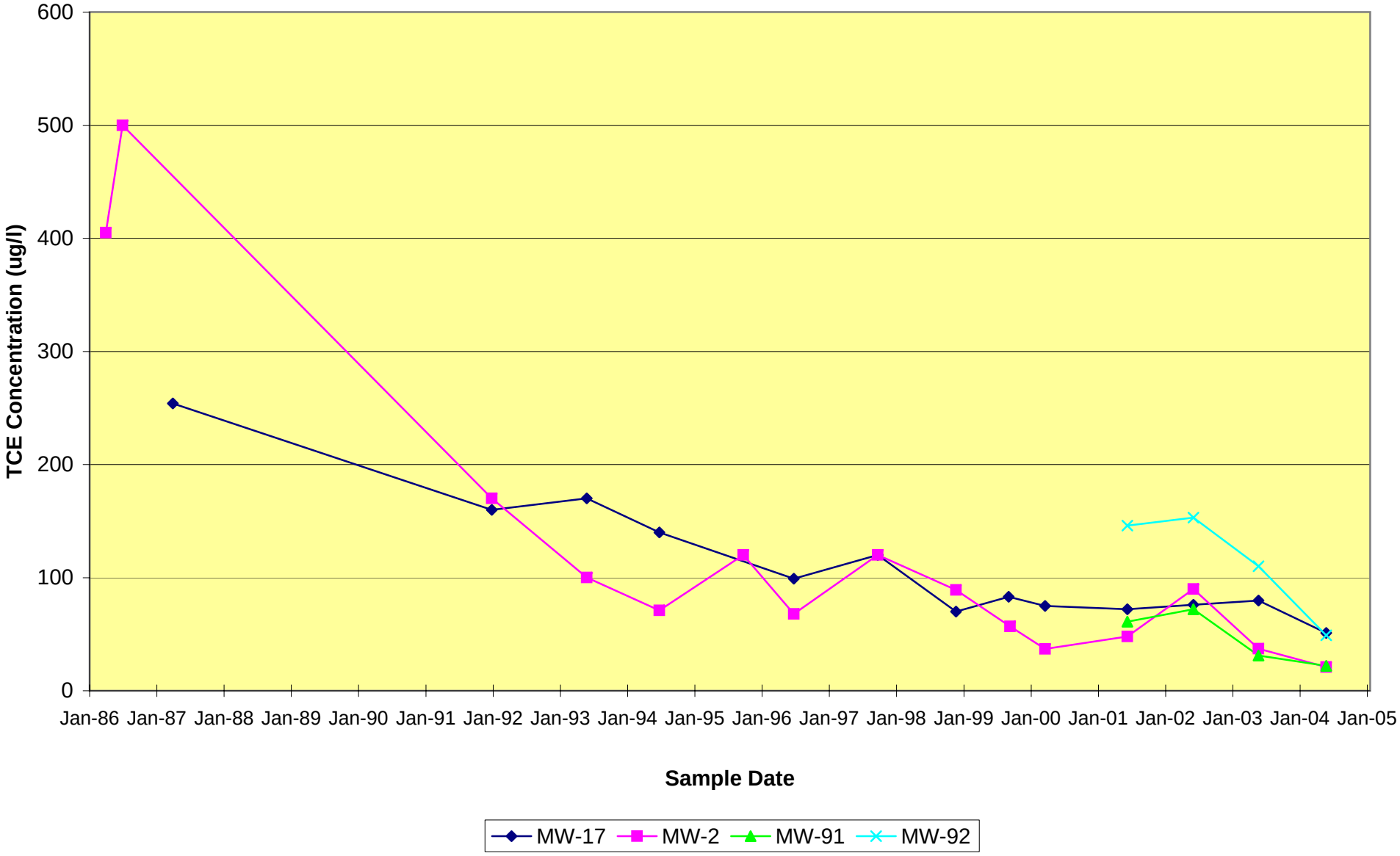

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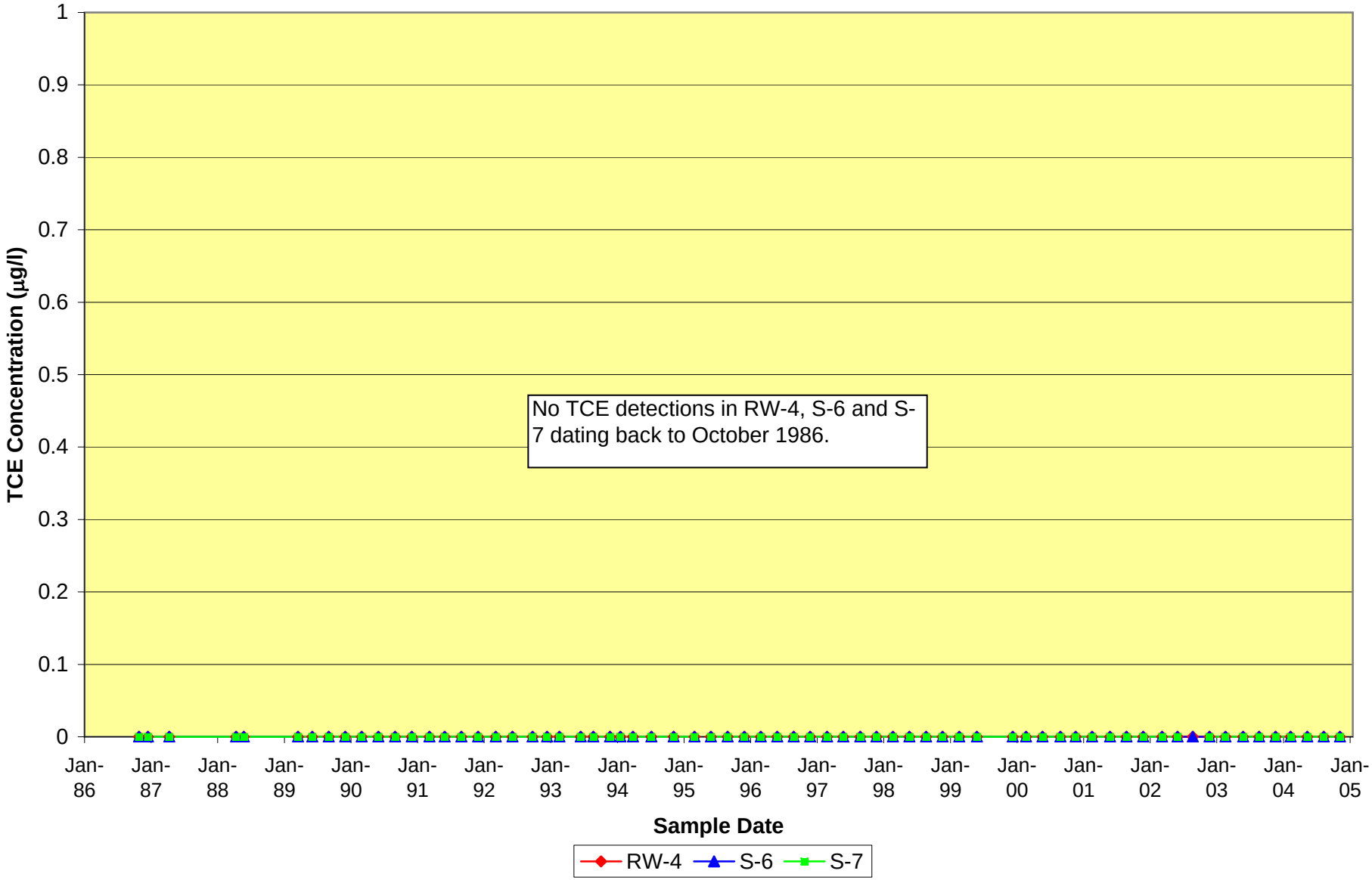
Figure 11-1
TCE in Off-Site Wells
Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations
1425 Eden Road, York PA 17402



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TABLES

TABLE 3-1
MONTHLY PRECIPITATION COMPARISON
Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations
1425 Eden Road, York PA 17402

Month	2004 Precipitation Amount (inches)	Normal Precipitation Amount (inches)
January	2.95	3.44
February	4.00	2.77
March	2.43	3.65
April	5.70	3.52
May	4.82	4.26
June	3.73	4.31
July	6.99	3.75
August	7.37	3.33
September	9.45	4.10
October	1.97	3.16
November	2.59	3.47
December	3.25	3.24
TOTALS:	55.25	43.00

Notes:
2004 Precipitation data collected by Harley-Davidson at its plant in York, PA
Normal precipitation data is for York, PA from Accuweather.com (determined in March 2004)

TABLE 3-2

ANNUAL HISTORICAL PRECIPITATION TOTALS
Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations
1425 Eden Road, York PA 17402

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
2004	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 - 2004 from Harley-Davidson

TABLE 4-1
VOCs REMOVED FROM COLLECTED GROUNDWATER
JANUARY 1, 2004 - DECEMBER 31, 2004
Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations
1425 Eden Road, York PA 17402

DATE	MONTHLY GROUNDWATER WITHDRAWAL (PTA Totalizer, gallons)	AVERAGE MONTHLY TOTAL VOCs (ppb)		ESTIMATED MONTHLY VOC REMOVAL (pounds)
Jan-04	10,830,600	1261	*	114
Feb-04	11,786,615	1261	*	124
Mar-04	10,625,572	1806		160
Apr-04	11,902,863	1806	*	180
May-04	8,537,038	1806	*	129
Jun-04	11,752,700	1628		160
Jul-04	11,017,800	1490	**	137
Aug-04	13,752,400	1261		145
Sep-04	12,529,000	1672		175
Oct-04	12,910,100	1672	*	180
Nov-04	12,383,200	1446		150
Dec-04	13,048,600	1217	**	133
TOTAL	**141,076,488**	**NA**		**1786**

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
2004	140,725,167	1,786
TOTAL	**1,739,512,943**	**29,333**

NOTES:

* - No sample collected this month; concentration is the most recent

** - Represents concentration is the average of two values for given month.
previous analytical result.

NA - Not Applicable

TABLE 5-1
RECORD OF GROUNDWATER WITHDRAWALS
JANUARY 1, 2004 - DECEMBER 31, 2004
Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations
1425 Eden Road, York PA 17402

	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-04	55,168	0	5,222	38,713	50,837	53,253	77,918	6,973	0	288,084	3,165,000	3,165,000	2,653,556	2,214,641	0	2,566,694	7,434,891	62,680	10,950,655
Feb-04	64,119	0	12,906	54,874	42,472	64,361	74,821	9,113	3	322,669	3,412,900	3,412,900	3,085,591	2,591,238	162	2,096,301	7,773,292	256,148	11,765,009
Mar-04	68,118	0	16,405	152,324	106,223	69,773	69,078	8,626	0	490,547	3,704,000	3,704,000	2,379,682	1,979,814	27,603	1,560,471	5,947,570	165,984	10,308,101
Apr-04	49,278	19,311	4,212	149,686	75,154	60,697	50,656	8,489	10,596	428,079	3,159,200	3,159,200	2,616,162	2,463,715	101,944	3,324,647	8,506,468	190,690	12,284,437
May-04	60,984	20,651	3,212	83,978	63,206	40,045	68,727	6,413	18,193	365,409	2,057,600	2,057,600	1,887,621	1,621,264	90,228	2,194,703	5,793,816	98,904	8,315,729
Jun-04	62,422	20,925	3,548	103,693	13,279	34,909	136,591	8,680	32,545	416,592	3,024,400	3,024,400	2,591,857	2,207,425	143,298	3,338,369	8,280,949	49,720	11,771,661
Jul-04	83,463	12,775	1,176	124,406	61,517	383	81,267	7,086	21,711	393,784	3,033,200	3,033,200	2,145,050	1,770,487	105,257	3,306,552	7,327,346	55,210	10,809,540
Aug-04	135,763	22,633	85	158,997	42,856	58,506	65,058	7,382	35,847	527,127	3,816,000	3,816,000	2,683,391	2,241,665	25,158	4,205,785	9,155,999	129,060	13,628,186
Sep-04	136,663	20,041	7	155,867	85,045	47,983	51,958	10,189	31,346	539,099	3,359,600	3,359,600	2,540,688	2,061,400	184,215	3,661,623	8,447,926	104,130	12,450,755
Oct-04	113,510	15,292	61	125,168	27,894	47,875	74,193	11,231	37,893	453,117	3,811,600	3,811,600	2,603,667	1,610,443	137,669	4,146,560	8,498,339	60,870	12,823,926
Nov-04	84,071	5,428	877	119,982	45,353	29,659	49,425	8,196	16,115	359,106	3,604,000	3,604,000	2,324,510	1,945,985	172,493	3,731,338	8,174,326	42,720	12,180,152
Dec-04	131,888	16,092	238	123,626	28,656	53,918	0	9,955	21,506	385,879	3,631,600	3,631,600	2,755,064	1,961,998	177,373	3,926,957	8,821,392	120,860	12,959,731
TOTALS	1,045,447	153,148	47,949	1,391,314	642,492	561,362	799,692	102,333	225,755	4,969,492	39,779,100	39,779,100	30,266,839	24,670,075	1,165,400	38,060,000	94,162,314	1,336,976	140,247,882

VALUES ARE IN GALLONS PER MONTH FOR EACH EXTRACTION WELL

TABLE 5-2
GROUNDWATER EXTRACTION WELL PUMPING ELEVATIONS
Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations
1425 Eden Road, York PA 17402

Extraction System Location	Well No.	Reference Elevation (ft AMSL)	Range (ft AMSL)		Groundwater Elev. (ft AMSL)	
			Pump On (High)	Pump Off (Low)	4-Jun-04	10-Dec-04
NPBA	CW-1	570.88	496.38	493.38	496.37	492.25
	CW-1A	569.93	510.43	507.43	507.46	512.57
	CW-2	557.79	484.29	481.29	484.57	485.39
	CW-3	519.43	441.43	438.43	445.87	428.38
	CW-4	542.32	458.82	455.82	480.87	473.25
	CW-5	472.06	426.56	423.56	430.61	427.16
	CW-6	486.98	416.48	413.48	444.25	468.99
	CW-7	574.61	494.11	491.11	489.71	492.66
	CW-7A	574.71	524.21	521.21	530.48	529.63
TCA	CW-8	363.84	339.84	335.84	342.61	340.89
WPL	CW-9	360.79	333.79	328.79	338.13	333.64
	CW-13	361.64	327.6	322.6	327.81	328.46
	CW-15A	362.57	333.5	328.5	339.35	336.08
	CW-17	361.67	335.67	330.67	335.7	331.40

Notes:
ft AMSL - feet above mean sea level

TABLE 5-3
COMPARISON OF INDIVIDUAL VOC VS TOTAL VOC CONCENTRATIONS
NORTHEAST PROPERTY BOUNDARY AREA
Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations
1425 Eden Road, York PA 17402

Wells	Groundwater Extraction 2003 (Gallons)	Groundwater Extraction 2004 (Gallons)	TCE Jun-03 (µg/l)	TCE Jun-04 (µg/l)	TCE%* Jun-04	PCE Jun-03 (µg/l)	PCE Jun-04 (µg/l)	PCE%* Jun-04
CW-1	1,188,343	1,045,447	112	90	84.9	N.D.	N.D.	0
CW-1A	4,697	153,148	171	310	98.7	1.7	4.0	1.3
CW-2	18,711	47,949	69.5	77	74.8	1.2	N.D.	0
CW-3	1,265,307	1,391,314	121	60	54.5	3.8	9.8	8.9
CW-4	888,400	642,492	123	95	64.6	6.9	5.8	3.9
CW-5	618,695	561,362	60.3	12	32.4	5.3	18	48.6
CW-6	2,003,378	799,692	81.6	58	18.7	216	200	64.5
CW-7	120,324	102,333	84.4	41	100.0	1.7	N.D.	0
CW-7A	114,949	225,755	553	480	98.8	20.0	5.6	1.2
TOTALS	6,222,804	4,969,492						
MW-10			214	160	82	N.D.	N.D.	0
MW-12			180	210	97.2	2.4	6.1	2.8
RW-2			2.7	3.5	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
Note - Laboratory data flagged as an estimate (J) was not considered a detection.

TABLE 6-1
COMPARISON OF INDIVIDUAL VOC VS TOTAL VOC CONCENTRATIONS
TCA TANK AREA
Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations
1425 Eden Road, York PA 17402

Wells	Groundwater Extraction 2003 (Gallons)	Groundwater Extraction 2004 (Gallons)	TCA Jun-03 (µg/l)	TCA Jun-04 (µg/l)	TCE Jun-03 (µg/l)	TCE Jun-04 (µg/l)	PCE Jun-03 (µg/l)	PCE Jun-04 (µg/l)	DCE** Jun-03 (µg/l)	DCE** Jun-04 (µg/l)
CW-8	43,718,967	39,779,100	45	22	540	360	37.1	22	147	95
MW-32S			6.9	370.0	15.2	340	N.D.	25	N.A.	84
MW-32D			20	N.D.	292	160	64.4	12.0	N.A.	240
MW-34S			N.D.	N.D.	9.5	36	5.5	3.3	N.A.	12
MW-34D			1.7	N.D.	68.5	150	18.6	14	N.A.	43
MW-35D			3.6	N.D.	188	320	33.9	14	N.A.	120
MW-54			23.8	19	428	300	77.4	34	N.A.	68

Wells	% TCA* Jun-04	% TCE* Jun-04	% PCE* Jun-04	% DCE* Jun-04
CW-8	4.3	70.2	4.3	18.5
MW-32S	42.5	39.1	2.9	9.7
MW-32D	0	35.0	2.6	52.5
MW-34S	0	70.2	6.4	23.4
MW-34D	0	70.8	6.6	20.3
MW-35D	0	70.5	3.1	26.4
MW-54	3.4	53.2	6.0	12.1

* - 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
Note - Laboratory data flagged as an estimate (J) was not considered a detection.

TABLE 7-1
COMPARISON OF INDIVIDUAL VOC VS TOTAL VOC CONCENTRATIONS
WEST PARKING LOT
Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations
1425 Eden Road, York PA 17402

Wells	Groundwater Extraction 2003 (Gallons)	Groundwater Extraction 2004 (Gallons)	TCA Jun-03 (µg/l)	TCA Jun-04 (µg/l)	TCE Jun-03 (µg/l)	TCE Jun-04 (µg/l)	PCE Jun-03 (µg/l)	PCE Jun-04 (µg/l)	DCE** Jun-03 (µg/l)	DCE** Jun-04 (µg/l)
CW-9	38,298,549	30,266,839	98.1	31	789	340	1,240	510	150	90
CW-13	26,752,751	24,670,075	40.3	N.D.	772	900	224	260	494	1,100
CW-15A	171,193	1,165,400	N.A.	11,000	N.A.	11,000	N.A.	1,800	N.A.	5,500
CW-17	37,189,204	38,060,000	73.3	82	456	610	134	160	186	220
TOTALS	102,411,697	94,162,314								
MW-5			N.D.	N.D.	3.8	5.4	N.D.	N.D.	N.A.	11
MW-6			N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.D.
MW-7			599	190	2,820	1,500	555	720	N.A.	330
MW-37S			19.9	22	20.3	45	117	180	N.A.	56
MW-37D			262	220	485	630	1,250	1,600	N.A.	170
MW-38D			1.6	N.D.	50.1	58	4.1	7.6	N.A.	22
MW-39S			N.D.	N.D.	50.9	110	9.8	25	N.A.	31
MW-39D			1.8	N.D.	193	370	30.1	96	N.A.	100
MW-47			36.1	30	154	170	64.5	110	N.A.	47
MW-51S			215	280	1,920	2,600	1,070	920	N.A.	1,100
MW-51D			10.8	N.D.	452	730	45.4	37	N.A.	900
MW-74S			1.4	N.D.	122	77	17	5.6	N.A.	60
MW-74D			5.5	N.D.	196	140	27.9	13	N.A.	48
MW-75S			511	N.D.	4,680	8,300	18,000	35,000	N.A.	N.D.
MW-75D			240	N.D.	4,780	11,000	5,160	37,000	N.A.	N.D.

Wells	% TCA* Jun-04	% TCE* Jun-04	% PCE* Jun-04	% DCE* Jun-04
CW-9	3.2	34.7	52.0	9.2
CW-13	0	39.8	11.5	48.7
CW-15A	34.9	34.9	5.7	17.5
CW-17	7.3	54.6	14.3	19.7
MW-5	0	32.9	0	67.1
MW-6	0	0	0	0
MW-7	6.6	52.4	25.2	11.5
MW-37S	7.3	14.9	59.4	18.5
MW-37D	8.3	23.8	60.4	6.4
MW-38D	0	65.9	8.6	25.0
MW-39S	0	66.3	15.1	18.7
MW-39D	0	65.4	17.0	17.7
MW-47	7.8	44.4	28.7	12.3
MW-51S	5.4	49.8	17.6	21.1
MW-51D	0	40.5	2.1	50.0
MW-74S	0	53.8	3.9	42.0
MW-74D	0	68.0	6.3	23.3
MW-75S	0	19.2	80.8	0
MW-75D	0	22.9	77.1	0

* - 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
Note - Laboratory data flagged as an estimate (J) was not considered a detection.

APPENDIX A

Data Tables

TABLE A-1
SITE-WIDE GROUNDWATER LEVELS AND ELEVATION DATA
Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations
1425 Eden Road, York PA 17402

Well	Reference Elevation (ft AMSL)	6/9/2003		12/23/2003		6/4/2004		12/10/2004	
		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	76.95	493.93	55.05	515.83	74.51	496.37	78.63	492.25
CW-1A	569.93	61.87	508.06	29.05	540.88	62.47	507.46	57.36	512.57
CW-2	557.79	56.74	501.05	41.36	516.43	73.22	484.57	72.40	485.39
CW-3	519.43	62.87	456.56	43.04	476.39	73.56	445.87	91.05	428.38
CW-4	542.32	75.03	467.29	58.52	483.80	61.45	480.87	69.07	473.25
CW-5	472.06	16.63	455.43	18.40	453.66	41.45	430.61	44.90	427.16
CW-6	486.98	47.61	439.37	36.14	450.84	42.73	444.25	17.99	468.99
CW-7	574.61	86.45	488.16	30.67	543.94	84.90	489.71	81.95	492.66
CW-7A	574.71	35.23	539.48	32.30	542.41	44.23	530.48	45.08	529.63
CW-8	363.84	16.12	347.72	20.22	343.62	21.23	342.61	22.95	340.89
CW-9	360.93	25.04	335.75	23.17	337.62	22.66	338.27	27.29	333.64
CW-12	362.06	14.22	347.84	13.89	348.17	Abandoned	--	Abandoned	--
CW-12A	362.18	15.41	346.77	14.49	347.69	Abandoned	--	Abandoned	--
CW-13	361.76	30.14	331.50	34.89	326.75	33.83	327.93	33.30	328.46
CW-14	359.84	27.39	333.03	24.71	335.71	23.89	335.95	28.20	331.64
CW-15	362.81	13.83	348.98	14.27	348.54	17.92	344.89	19.98	342.83
CW-15A	362.57	14.00	348.57	N.M.	--	23.22	339.35	26.49	336.08
CW-16	364.32	17.45	346.87	18.59	345.73	19.24	345.08	20.75	343.57
CW-17	359.60	27.30	332.87	24.49	335.68	23.90	335.70	28.20	331.40
CW-18	365.76	15.56	350.20	16.38	349.38	17.72	348.04	19.23	346.53
MW-1	376.35	26.95	349.40	N.M.	--	N.M.	--	N.M.	--
MW-2	509.44	54.16	455.28	56.28	453.16	62.21	447.23	62.17	447.27
MW-3	542.11	57.27	484.84	49.39	492.72	61.35	480.76	62.47	479.64
MW-5	370.80	20.73	350.07	20.84	349.96	21.51	349.29	24.03	346.77
MW-6	360.55	14.83	346.23	17.72	343.34	15.85	344.70	17.38	343.17
MW-7	361.84	29.29	332.89	26.55	335.63	24.39	337.45	28.70	333.14
MW-8	360.43	18.33	342.22	16.26	344.29	16.72	343.71	21.00	339.43
MW-9	559.76	50.00	509.76	39.30	520.46	47.62	512.14	49.83	509.93
MW-10	568.75	48.32	520.43	40.14	528.61	51.04	517.71	55.66	513.09
MW-11	565.11	21.59	543.52	23.20	541.91	27.84	537.27	25.19	539.92
MW-12	536.69	35.28	501.41	29.32	507.37	32.69	504.00	34.73	501.96
MW-14	520.39	23.05	497.34	23.31	497.08	30.42	489.97	28.88	491.51
MW-15	524.90	47.09	477.81	47.74	477.16	59.90	465.00	54.24	470.66
MW-16S	517.50	35.13	482.37	27.03	490.47	26.91	490.59	31.79	485.71
MW-16D	517.50	5.11	512.39	artesian	artesian	2.65	514.85	6.80	510.70
MW-17	458.03	6.83	451.20	8.48	449.55	11.06	446.97	10.78	447.25
MW-18S	465.37	7.44	457.93	2.71	462.66	6.89	458.48	3.34	462.03
MW-18D	465.37	6.61	458.76	0.97	464.40	5.26	460.11	0.05	465.32
MW-19	428.20	17.91	410.29	17.44	410.76	20.77	407.43	21.03	407.17
MW-20S	575.34	35.72	539.62	32.67	542.67	40.06	535.28	44.35	530.99
MW-20M	575.21	40.11	535.10	30.62	544.59	41.71	533.50	46.05	529.16
MW-20D	575.21	41.48	533.73	26.46	548.75	43.69	531.52	45.51	529.70
MW-22	448.57	48.29	400.28	50.49	398.08	52.16	396.41	56.46	392.11
MW-26	377.52	N.M.	--	N.M.	--	N.M.	--	N.M.	--
MW-27	362.26	13.74	348.52	13.62	348.64	14.21	348.05	16.83	345.43
MW-28	363.96	16.63	347.33	17.18	346.78	17.57	346.39	19.15	344.81
MW-29	365.63	13.56	352.07	13.83	351.80	N.M.	--	11.75	353.88
MW-30	364.99	14.00	350.99	13.50	351.49	15.27	349.72	17.03	347.96
MW-31S	368.31	14.08	354.23	13.95	354.36	13.81	354.50	17.03	351.28
MW-31D	368.31	14.13	354.18	14.03	354.28	14.31	354.00	17.22	351.09
MW-32S	363.46	16.62	346.84	16.84	346.62	17.30	346.16	18.76	344.70
MW-32D	363.46	16.92	346.54	16.52	346.94	17.17	346.29	18.72	344.74
MW-33	364.94	17.62	347.32	18.08	346.86	18.58	346.36	20.02	344.92
MW-34S	362.02*	15.06	347.06	15.40	346.72	15.80	346.32	17.23	344.79
MW-34D	362.12	14.80	347.32	15.46	346.66	15.73	346.39	17.23	344.89

TABLE A-1
SITE-WIDE GROUNDWATER LEVELS AND ELEVATION DATA
Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations
1425 Eden Road, York PA 17402

Well	Reference Elevation (ft AMSL)	6/9/2003		12/23/2003		6/4/2004		12/10/2004	
		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-35S	361.58	14.40	347.18	14.83	346.75	15.17	346.41	16.72	344.86
MW-35D	361.59	14.60	346.99	14.65	346.94	N.M.	--	16.85	344.74
MW-36S	372.30	20.95	351.35	21.60	350.70	22.22	350.08	24.42	347.88
MW-36D	372.30	22.10	350.20	22.22	350.08	22.86	349.44	25.15	347.15
MW-37S	360.10	16.10	344.73	15.43	345.40	15.46	344.64	17.89	342.21
MW-37D	360.08	15.80	345.03	15.60	345.23	15.79	344.29	18.22	341.86
MW-38D	359.57	18.78	340.70	15.86	343.62	15.14	344.43	19.51	340.06
MW-39S	361.06	21.54	340.02	20.32	341.24	18.75	342.31	22.10	338.96
MW-39D	361.14	21.86	339.70	20.19	341.37	18.64	342.50	22.17	338.97
MW-40S	375.83	26.77	349.06	27.66	348.17	28.69	347.14	13.86	361.97
MW-40D	375.83	26.59	349.24	27.66	348.17	28.53	347.30	20.93	354.90
MW-43S	380.93	24.87	356.06	26.65	354.28	29.48	351.45	31.79	349.14
MW-43D	381.31	25.16	356.15	26.95	354.36	29.32	351.99	31.23	350.08
MW-45	361.13	14.08	347.05	14.39	346.74	14.63	346.50	16.43	344.70
MW-46	360.25	13.33	346.92	13.51	346.74	13.87	346.38	15.15	345.10
MW-47	361.74	17.94	343.80	N.M.	--	17.21	344.53	N.M.	--
MW-48	362.85	N.M.	--	buried	--	Abandoned	--	Abandoned	--
MW-49S	363.02	14.21	348.81	14.21	348.81	N.M.	--	N.M.	--
MW-49D	363.02	14.31	348.71	14.49	348.53	N.M.	--	N.M.	--
MW-50S	361.34	17.79	343.93	17.84	343.88	16.82	344.52	21.72	339.62
MW-50D	361.33	19.10	342.59	19.03	342.66	18.61	342.72	21.33	340.00
MW-51S	363.34	27.69	335.77	24.97	338.49	23.78	339.56	28.09	335.25
MW-51D	363.80	28.80	335.06	25.12	338.74	21.46	342.34	29.05	334.75
MW-52	368.52	4.65	363.87	7.67	360.85	13.47	355.05	1.75	366.77
MW-53	368.25	5.52	362.73	6.93	361.32	7.31	360.94	10.58	357.67
MW-54	364.98	18.57	346.41	18.27	346.71	19.94	345.04	21.44	343.54
MW-55	364.89	18.56	346.33	19.23	345.66	N.M.	--	21.42	343.47
MW-56	373.03	13.27	359.76	17.29	355.74	16.95	356.08	14.88	358.15
MW-57	366.02	15.80	350.22	17.13	348.89	18.05	347.97	19.46	346.56
MW-64S	417.26	31.10	386.16	27.08	390.18	29.97	387.29	31.03	386.23
MW-64D	417.27	54.29	362.98	53.12	364.15	56.47	360.80	58.25	359.02
MW-65S	548.98	44.53	504.45	43.20	505.78	48.08	500.90	47.07	501.91
MW-65D	548.98	42.68	506.30	40.57	508.41	46.29	502.69	45.39	503.59
MW-66S	508.99	30.51	478.48	32.38	476.61	36.60	472.39	33.54	475.45
MW-66D	508.99	30.55	478.44	32.70	476.29	37.52	471.47	33.99	475.00
MW-67S	447.84	3.33	444.51	6.07	441.77	8.77	439.07	7.44	440.40
MW-67D	447.84	artesian	--	artesian	--	artesian	--	artesian	--
MW-68	459.01	1.18	457.83	1.49	457.52	5.22	453.79	5.41	453.60
MW-69	412.80	6.50	406.30	4.22	408.58	5.71	407.09	7.56	405.24
MW-70S	414.11	8.91	405.20	9.45	404.66	15.08	399.03	17.64	396.47
MW-70D	414.16	8.65	405.51	9.20	404.96	15.08	399.08	17.61	396.55
MW-74S	360.77	18.94	341.82	18.17	342.59	18.01	342.76	20.43	340.34
MW-74D	360.71	17.60	343.10	17.18	343.52	17.58	343.13	19.75	340.96
MW-75S	359.98	16.49	343.99	15.68	344.80	16.04	343.94	18.90	341.08
MW-75D	360.81	17.89	343.91	16.73	345.07	17.21	343.60	20.40	340.41
MW-76	362.29	19.58	342.71	18.78	343.51	Abandoned	--	Abandoned	--
MW-77	379.28	20.46	358.82	20.18	359.10	21.43	357.85	23.42	355.86
MW-78	367.89	11.17	356.72	N.M.	--	11.57	356.32	14.40	353.49
MW-79	376.76	N.M.	--	N.M.	--	N.M.	--	21.34	355.42
MW-80	371.21	20.86	350.35	21.69	349.52	23.00	348.21	24.52	346.69
MW-81S	360.97	14.18	346.79	13.91	347.06	14.36	346.61	16.36	344.61
MW-81D	360.75	13.64	347.11	13.22	347.53	13.73	347.02	16.03	344.72
MW-82	385.10	35.23	349.87	35.02	350.08	35.91	349.19	38.25	346.85
MW-83	364.82	10.35	354.47	7.95	356.87	7.85	356.97	10.82	354.00
MW-84	368.79	N.M.	--	10.33	358.46	11.05	357.74	14.25	354.54

TABLE A-1
SITE-WIDE GROUNDWATER LEVELS AND ELEVATION DATA
Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations
1425 Eden Road, York PA 17402

Well	Reference Elevation (ft AMSL)	6/9/2003		12/23/2003		6/4/2004		12/10/2004	
		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-85	372.84	21.35	351.49	7.91	364.93	13.01	359.83	N.M.	--
MW-86S	407.42	8.55	398.87	8.40	399.02	8.85	398.57	8.86	398.56
MW-86D	407.48	6.69	400.79	6.65	400.83	7.57	399.91	7.90	399.58
MW-87	371.56	21.22	350.34	21.96	349.60	23.35	348.21	24.89	346.67
MW-88	369.34	20.10	349.24	21.01	348.33	21.95	347.39	23.04	346.30
MW-91	501.75	46.29	455.46	48.50	453.25	53.81	447.94	53.35	448.40
MW-92	477.51	70.40	407.11	73.31	404.20	80.63	396.88	81.33	396.18
MW-93S	361.72	--	--	--	--	16.34	345.38	18.68	343.04
MW-93D	361.10	--	--	--	--	16.22	344.88	18.71	342.39
WPL-SS-7	361.20	24.52	337.40	20.54	341.38	19.00	342.20	32.53	328.67
WPL-SS-8	364.07	24.13	341.13	22.65	342.61	21.81	342.26	24.77	339.30

NOTES:

-- : No data

N.M. : Not measured, due to access restrictions (i.e., buried, equipment parked on top, etc.)

Yellow shading indicates well was abandoned during 2004.

Blue shading indicates active extraction well.

MW-74S : Red text indicates reference elevation was determined in July 2004. June 2004 and later data uses the new reference elevations; however, previous events use pre-existing elevation data.

* : 0.10' of MW-34S riser removed on 11/5/04, TOC elevation reduced to 362.02.

TABLE A-2
GROUNDWATER QUALITY ANALYSES
KEY WELL SAMPLING (JUNE 2004) VOLATILE ORGANIC COMPOUND CONCENTRATIONS
Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations

Sample ID	RW-2	MW-2	MW-2 Duplicate	MW-5	MW-6	MW-7	MW-7 Duplicate	MW-10	MW-12	MW-17	MW-17 Duplicate	MW-32S	MW-32D	MW-34S	MW-34D	MW-35D	MW-37S	MW-37D
Lab Sample Number	535795	536959	536960	535797	535791	536961	536507	536228	535798	535790	535789	535801	536962	535793	535794		535787	535788
Sampling Date	06/07/04	06/09/04	06/09/04	06/07/04	06/08/04	06/09/04	06/09/04	06/09/04	06/08/04	06/07/04	06/07/04	06/08/04	06/10/04	06/08/04	06/08/04	6/30/04	06/07/04	06/07/04
Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor	1.0	1.0	1.0	1.0	1.0	10.0	NA	2.0	2.0	1.0	1.0	2.0	2.0	1.0	1.0	5.0	2.0	10.0
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOLATILE COMPOUNDS (GC/MS)																		
Acrolein	100 U	100 U	100 U	100 U	100 U	1000 U	NR	200 U	200 U	100 U	100 U	200 U	200 U	100 U	100 U	500 U	200 U	1000 U
Acrylonitrile	50 U	50 U	50 U	50 U	50 U	500 U	NR	100 U	100 U	50 U	50 U	100 U	100 U	50 U	50 U	250 U	100 U	500 U
Benzene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	NR	2.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	5.0 U	2.0 U	10 U
Bromodichloromethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	NR	2.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	5.0 U	2.0 U	10 U
Bromoform	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	40 U	NR	8.0 U	8.0 U	4.0 U	4.0 U	8.0 U	8.0 U	4.0 U	4.0 U	20 U	8.0 U	40 U
Bromomethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50 U	NR	10 U	10 U	5.0 U	5.0 U	10 U	10 U	5.0 U	5.0 U	25 U	10 U	50 U
2-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50 U	NR	10 U	10 U	5.0 U	5.0 U	10 U	10 U	5.0 U	5.0 U	25 U	10 U	50 U
CarbonTetrachloride	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	20 U	NR	4.0 U	4.0 U	2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	10 U	4.0 U	20 U
Chlorobenzene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50 U	NR	10 U	10 U	5.0 U	5.0 U	10 U	10 U	5.0 U	5.0 U	25 U	10 U	50 U
Dibromochloromethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50 U	NR	10 U	10 U	5.0 U	5.0 U	10 U	10 U	5.0 U	5.0 U	25 U	10 U	50 U
Chloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50 U	NR	10 U	10 U	5.0 U	5.0 U	10 U	10 U	5.0 U	5.0 U	25 U	10 U	50 U
2-ChloroethylVinylEther	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50 U	NR	10 U	10 U	5.0 U	5.0 U	10 U	10 U	5.0 U	5.0 U	25 U	10 U	50 U
Chloroform	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50 U	NR	10 U	10 U	0.7 J	0.7 J	10 U	10 U	5.0 U	0.7 J	25 U	10 U	50 U
Chloromethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50 U	NR	10 U	10 U	5.0 U	5.0 U	10 U	10 U	5.0 U	5.0 U	25 U	10 U	50 U
cis-1,2-Dichloroethene	5.0 U	5.0 U	5.0 U	11	5.0 U	330	NR	36	6.2 J	0.7 J	0.7 J	84	240	12	43	120	56	170
trans-1,2-Dichloroethene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50 U	NR	10 U	10 U	5.0 U	5.0 U	10 U	10 U	5.0 U	5.0 U	25 U	10 U	50 U
1,1-Dichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	19 J	NR	10 U	10 U	5.0 U	5.0 U	20	8.9 J	0.8 J	0.6 J	25 U	3.0 J	9.2 J
1,2-Dichloroethane	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	20 U	NR	4.0 U	4.0 U	2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	10 U	4.0 U	20 U
1,1-Dichloroethene	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	120	NR	4.0 U	4.0 U	2.0 U	2.0 U	31	20	1.2 J	4.7	9.4 J	1.2 J	30
1,2-Dichloropropane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	NR	2.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	5.0 U	2.0 U	10 U
cis-1,3-Dichloropropene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50 U	NR	10 U	10 U	5.0 U	5.0 U	10 U	10 U	5.0 U	5.0 U	25 U	10 U	50 U
trans-1,3-Dichloropropene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50 U	NR	10 U	10 U	5.0 U	5.0 U	10 U	10 U	5.0 U	5.0 U	25 U	10 U	50 U
1,4-Dioxane	1000 U	1000 U	1000 U	1000 U	1000 U	10000 U	NR	2000 U	2000 U	1000 U	1000 U	2000 U	2000 U	1000 U	1000 U	5000 U	2000 U	10000 U
Ethylbenzene	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	40 U	NR	8.0 U	8.0 U	4.0 U	4.0 U	8.0 U	8.0 U	4.0 U	4.0 U	20 U	8.0 U	40 U
MethyleneChloride	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	30 U	NR	6.0 U	6.0 U	3.0 U	3.0 U	6.0 U	6.0 U	3.0 U	3.0 U	15 U	6.0 U	30 U
1,1,2,2-Tetrachloroethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	NR	2.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	5.0 U	2.0 U	10 U
Tetrachloroethene	1.0 U	85	89	1.0 U	1.0 U	720	NR	2.0 U	6.1	0.9 J	1.3	25	12	3.3	14	14	180	1600
Toluene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50 U	NR	10 U	10 U	5.0 U	5.0 U	10 U	10 U	5.0 U	5.0 U	25 U	10 U	50 U
1,1,1-Trichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	190	NR	10 U	10 U	5.0 U	5.0 U	370	5.9 J	0.8 J	4.4 J	11 J	22	220
1,1,2-Trichloroethane	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	30 U	NR	6.0 U	6.0 U	3.0 U	3.0 U	6.0 U	6.0 U	3.0 U	3.0 U	15 U	6.0 U	30 U
Trichloroethene	3.5	21	23	5.4	1.0 U	1500	NR	160	210	51	52	340	160	36	150	320	45	630
VinylChloride	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50 U	NR	10 U	10 U	5.0 U	5.0 U	10 U	25	5.0 U	5.0 U	25 U	2.1 J	5.8 J
TOTAL VOCs	3.5	106	112	16	0	2860	NR	196	216	51	53	870	457	51	212	454	303	2650

Sample ID	RW-2	MW-2	MW-2 Duplicate	MW-5	MW-6	MW-7	MW-7 Duplicate	MW-10	MW-12	MW-17	MW-17 Duplicate	MW-32S	MW-32D	MW-34S	MW-34D	MW-35D	MW-37S	MW-37D
Lab Sample Number	535795	536505	536960	535797	535791	536506	536507	536228	537081	535790	535789	535801	536962	535793	535794		535787	535788
Sampling Date	06/07/04	06/09/04	06/09/04	06/07/04	06/08/04	06/09/04	06/09/04	06/09/04	06/08/04	06/07/04	06/07/04	06/08/04	06/10/04	06/08/04	06/08/04	6/30/04	06/07/04	06/07/04
Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor	NA	NA	NA	NA	NA	NA	NA	2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
METALS																		
Chromium	NR	NR	NR	NR	2.8 U	63.5	64.1	NR	2.8 U	NR	NR	7.3 B	2.8 U	2.8 U	2.8 U	NR	NR	NR
Lead	NR	NR	NR	NR	2.2 U	2.2 U	2.2 U	NR	2.2 U	NR	NR	2.2 U	2.2 U	2.2 U	2.2 U	NR	NR	NR
Nickel	NR	NR	NR	NR	3.9 U	5.0 B	4.1 B	NR	4.4 B	NR	NR	3.9 U	3.9 U	3.9 U	3.9 U	NR	NR	NR
Zinc	NR	NR	NR	NR	13.6 B	11.8 B	14.0 B	NR	15.2 B	NR	NR	13.2 B	9.3 B	10.6 B	19.0 B	NR	NR	NR
ChromiumVI	NR	NR	NR	NR	10.0 U	54.8	54.8	NR	10.0 U	NR	NR	10.0 U	10.0 U	10.0 U	10.0 U	NR	NR	NR
Free Cyanide - mg/l	NR	0.22	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Total Cyanide - mg/l	NR	1.0	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

NOTES:

ALL ANALYSES PERFORMED BY SEVERN TRENT LABORATORIES - EDISON, NJ

Blue indicates concentration that is at least half of last year's value

Yellow indicates concentration that has at least doubled from last year

NA - Not applicable.

NR - (Analysis) Not Requested.

µg/l - Micrograms per liter

mg/l - Milligrams per liter

Qualifiers

U - The compound was not detected at the indicated concentration.

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.

B - Reported value is less than the Practical Quantitation Limit but greater than or equal to the Instrument Detection Limit.

GC/MS - Gas chromatograph/mass spectrometer

TABLE A-2
GROUNDWATER QUALITY ANALYSES
KEY WELL SAMPLING (JUNE 2004) VOLATILE ORGANIC COMPOUND CONCENTRATIONS
Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations

Sample ID	MW-38D	MW-39S	MW-39D	MW-40S	MW-40D	MW-43S	MW-43D	MW-47	MW-50D	MW-50D Duplicate	MW-50S	MW-51S	MW-51D	MW-54	MW-64D	MW-64S	MW-69
Lab Sample Number	536224	536963	536964	535785	535786	535792	535800	536231	536227	536229	536966	552047	552048	536232	537087	537088	537089
Sampling Date	06/09/04	06/10/04	06/10/04	06/07/04	06/07/04	06/08/04	06/08/04	06/09/04	06/09/04	06/09/04	06/10/04	08/03/04	08/03/04	06/09/04	06/10/04	06/10/04	06/10/04
Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor	1.0	1.0	2.0	1.0	1.0	1.0	2.0	1.0	200.0	200.0	5.0	20.0	5.0	2.0	10.0	2.0	1.0
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOLATILE COMPOUNDS (GC/MS)																	
Acrolein	100 U	100 U	200 U	100 U	100 U	100 U	200 U	100 U	20000 U	20000 U	500 U	2000 U	500 U	200 U	1000 U	200 U	100 U
Acrylonitrile	50 U	50 U	100 U	50 U	50 U	50 U	100 U	50 U	10000 U	10000 U	250 U	1000 U	250 U	100 U	500 U	100 U	50 U
Benzene	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	200 U	200 U	5.0 U	20 U	5.0 U	1.6 J	10 U	2.0 U	1.0 U
Bromodichloromethane	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	200 U	200 U	5.0 U	20 U	5.0 U	2.0 U	10 U	2.0 U	1.0 U
Bromoform	4.0 U	4.0 U	8.0 U	4.0 U	4.0 U	4.0 U	8.0 U	4.0 U	800 U	800 U	20 U	80 U	20 U	8.0 U	40 U	8.0 U	4.0 U
Bromomethane	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	1000 U	1000 U	25 U	100 U	25 U	10 U	50 U	10 U	5.0 U
2-Butanone	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	1000 U	1000 U	25 U	100 U	25 U	10 U	50 U	10 U	5.0 U
CarbonTetrachloride	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	400 U	400 U	10 U	40 U	10 U	4.0 U	20 U	4.0 U	2.0 U
Chlorobenzene	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	1000 U	1000 U	25 U	100 U	25 U	10 U	50 U	10 U	5.0 U
Dibromochloromethane	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	1000 U	1000 U	25 U	100 U	25 U	10 U	50 U	10 U	5.0 U
Chloroethane	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	1000 U	1000 U	25 U	100 U	25 U	10 U	50 U	10 U	5.0 U
2-ChloroethylVinylEther	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	1000 U	1000 U	25 U	100 U	25 U	10 U	50 U	10 U	5.0 U
Chloroform	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	1000 U	1000 U	25 U	100 U	25 U	2.7 J	50 U	10 U	5.0 U
Chloromethane	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	1000 U	1000 U	25 U	100 U	25 U	10 U	50 U	10 U	5.0 U
cis-1,2-Dichloroethene	22	31	100	5.0 U	1.9 J	5.0 U	14	47	5800	6300	380	1100	900	68	50 U	10 U	94
trans-1,2-Dichloroethene	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	1000 U	1000 U	25 U	100 U	7.2 J	10 U	50 U	10 U	5.0 U
1,1-Dichloroethane	1.5 J	5.0 U	10 U	5.0 U	5.0 U	5.0 U	10 U	2.2 J	3700	4000	37	39	59	14	50 U	10 U	5.0 U
1,2-Dichloroethane	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	400 U	400 U	10 U	40 U	10 U	8.7	20 U	4.0 U	2.0 U
1,1-Dichloroethene	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	4.0 U	26	1500	1800	24	320	75	120	20 U	4.0 U	3.0
1,2-Dichloropropane	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	200 U	200 U	5.0 U	20 U	5.0 U	2.0 U	10 U	2.0 U	1.0 U
cis-1,3-Dichloropropene	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	1000 U	1000 U	25 U	100 U	25 U	10 U	50 U	10 U	5.0 U
trans-1,3-Dichloropropene	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	1000 U	1000 U	25 U	100 U	25 U	10 U	50 U	10 U	5.0 U
1,4-Dioxane	1000 U	1000 U	2000 U	1000 U	1000 U	1000 U	2000 U	1000 U	200000 U	200000 U	5000 U	20000 U	5000 U	2000 U	10000 U	2000 U	1000 U
Ethylbenzene	4.0 U	4.0 U	8.0 U	4.0 U	4.0 U	4.0 U	8.0 U	4.0 U	800 U	800 U	20 U	80 U	20 U	8.0 U	40 U	8.0 U	4.0 U
MethyleneChloride	3.0 U	3.0 U	6.0 U	3.0 U	3.0 U	3.0 U	6.0 U	3.0 U	600 U	600 U	15 U	60 U	15 U	6.0 U	30 U	6.0 U	3.0 U
1,1,2,2-Tetrachloroethane	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	200 U	200 U	5.0 U	20 U	5.0 U	2.0 U	10 U	2.0 U	1.0 U
Tetrachloroethene	7.6	25	96	1.0 U	1.0 U	1.5	6.5	110	1200	1400	34	920	37	34	420	160	0.6 J
Toluene	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	1000 U	1000 U	25 U	100 U	25 U	10 U	50 U	10 U	5.0 U
1,1,1-Trichloroethane	1.8 J	1.2 J	3.2 J	5.0 U	5.0 U	5.0 U	10 U	30	470 J	480 J	13 J	280	12 J	19	50 U	10 U	5.0 U
1,1,2-Trichloroethane	3.0 U	3.0 U	6.0 U	3.0 U	3.0 U	3.0 U	6.0 U	3.0 U	600 U	600 U	15 U	60 U	15 U	6.0 U	30 U	6.0 U	3.0 U
Trichloroethene	58	110	370	1.0 U	11	0.5 J	250	170	18000	20000	520	2600	730	300	1400	330	96
VinylChloride	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	1000 U	1000 U	10 J	72 J	15 J	2.2 J	50 U	10 U	5.0 U
TOTAL VOCs	88	166	566	0	11	1.5	271	383	30200	33500	995	5220	1801	564	1820	490	193

Sample ID	MW-38D	MW-39S	MW-39D	MW-40S	MW-40D	MW-43S	MW-43D	MW-47	MW-50D	MW-50D Duplicate	MW-50S	MW-51S	MW-51D	MW-54	MW-64D	MW-64S	MW-69
Lab Sample Number	536224	536963	536964	535785	535786	535792	535800	536231	536227	536229	536966	552047	552048	536232	537087	537088	537089
Sampling Date	06/09/04	06/10/04	06/10/04	06/07/04	06/07/04	06/08/04	06/08/04	06/09/04	06/09/04	06/09/04	06/10/04	08/03/04	08/03/04	06/09/04	06/10/04	06/10/04	06/10/04
Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
METALS																	
Chromium	2.8 U	NR	NR	NR	NR	2.8 U	2.8 U	2040	2.8 U	NR	2.8 U	701	2.8 U	2.8 U	NR	NR	NR
Lead	2.2 U	NR	NR	NR	NR	2.2 U	2.2 U	2.2 U	2.2 U	NR	2.2 U	2.2 U	2.2 U	2.2 U	NR	NR	NR
Nickel	3.9 U	NR	NR	NR	NR	3.9 U	3.9 U	4.7 B	3.9 U	NR	6.8 B	47.4	3.9 U	3.9 U	NR	NR	NR
Zinc	10.1 B	NR	NR	NR	NR	10.7 B	9.1 B	35.9	15.9 B	NR	7.4 B	23.6 B	12.0 B	15.1 B	NR	NR	NR
ChromiumVI	10.0 U	NR	NR	NR	NR	10.0 U	10.0 U	1960	10.0 U	NR	10.0 U	651	10.0 U	10.0 U	NR	NR	NR
Free Cyanide - mg/l	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.005 U	NR	NR	NR	NR	NR
Total Cyanide - mg/l	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.035	NR	NR	NR	NR	NR

NOTES:

ALL ANALYSES PERFORMED BY SEVERN TRENT LABORATORIES - EDISON, NJ

Blue indicates concentration that is at least half of last year's value

Yellow indicates concentration that has at least doubled from last year

NA - Not applicable.

NR - (Analysis) Not Requested.

µg/l - Micrograms per liter

mg/l - Milligrams per liter

Qualifiers

U - The compound was not detected at the indicated concentration.

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.

B - Reported value is less than the Practical Quantitation Limit but greater than or equal to the Instrument Detection Limit.

GC/MS - Gas chromatograph/mass spectrometer

TABLE A-2
GROUNDWATER QUALITY ANALYSES
KEY WELL SAMPLING (JUNE 2004) VOLATILE ORGANIC COMPOUND CONCENTRATIONS
Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations

Sample ID	MW-74S	MW-74D	MW-75S	MW-75D	MW-75D Duplicate	MW-81S	MW-81D	MW-82	MW-85	MW-87	MW-88	MW-91	MW-92	Trip-Blank	Trip-Blank	Trip-Blank	Trip-Blank-2
Lab Sample Number	536225	536226	536968	536969	536970	537085	537086	535796	535799	536967	536230	536233	536965	535802	536234	536971	537090
Sampling Date	06/09/04	06/09/04	06/10/04	06/10/04	06/10/04	06/10/04	06/10/04	06/07/04	06/08/04	06/10/04	06/09/04	06/09/04	06/10/04	06/08/04	06/09/04	06/10/04	06/10/04
Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor	1.0	1.0	250.0	250.0	250.0	20.0	10.0	1.0	1.0	20.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOLATILE COMPOUNDS (GC/MS)																	
Acrolein	100 U	100 U	25000 U	25000 U	25000 U	2000 U	1000 U	100 U	100 U	2000 U	200 U	100 U	100 U	100 U	100 U	100 U	100 U
Acrylonitrile	50 U	50 U	12000 U	12000 U	12000 U	1000 U	500 U	50 U	50 U	1000 U	100 U	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	1.0 U	1.0 U	250 U	250 U	250 U	20 U	10 U	1.0 U	1.0 U	20 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	1.0 U	1.0 U	250 U	250 U	250 U	20 U	10 U	1.0 U	1.0 U	20 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	4.0 U	4.0 U	1000 U	1000 U	1000 U	80 U	40 U	4.0 U	4.0 U	80 U	8.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
Bromomethane	5.0 U	5.0 U	1200 U	1200 U	1200 U	100 U	50 U	5.0 U	5.0 U	100 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone	5.0 U	5.0 U	1200 U	1200 U	1200 U	100 U	50 U	5.0 U	5.0 U	100 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CarbonTetrachloride	2.0 U	2.0 U	500 U	500 U	500 U	40 U	20 U	2.0 U	2.0 U	40 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chlorobenzene	5.0 U	5.0 U	1200 U	1200 U	1200 U	100 U	50 U	5.0 U	5.0 U	100 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	5.0 U	5.0 U	1200 U	1200 U	1200 U	100 U	50 U	5.0 U	5.0 U	100 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	5.0 U	5.0 U	1200 U	1200 U	1200 U	100 U	50 U	5.0 U	5.0 U	100 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-ChloroethylVinylEther	5.0 U	5.0 U	1200 U	1200 U	1200 U	100 U	50 U	5.0 U	5.0 U	100 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform	5.0 U	5.0 U	1200 U	1200 U	1200 U	100 U	50 U	5.0 U	5.0 U	100 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane	5.0 U	5.0 U	1200 U	1200 U	1200 U	100 U	50 U	5.0 U	5.0 U	100 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	60	48	270 J	470 J	520 J	660	260	16	38	740	56	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	5.0 U	5.0 U	1200 U	1200 U	1200 U	100 U	50 U	5.0 U	5.0 U	100 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	5.0 U	2.3 J	1200 U	1200 U	1200 U	22 J	50 U	5.0 U	5.0 U	100 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	2.0 U	2.0 U	500 U	500 U	500 U	40 U	20 U	2.0 U	2.0 U	40 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1-Dichloroethene	0.9 J	4.7	500 U	500 U	500 U	27 J	20 U	2.0 U	2.0 U	48	7.3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichloropropane	1.0 U	1.0 U	250 U	250 U	250 U	20 U	10 U	1.0 U	1.0 U	20 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	5.0 U	5.0 U	1200 U	1200 U	1200 U	100 U	50 U	5.0 U	5.0 U	100 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	5.0 U	5.0 U	1200 U	1200 U	1200 U	100 U	50 U	5.0 U	5.0 U	100 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,4-Dioxane	1000 U	1000 U	250000 U	250000 U	250000 U	20000 U	10000 U	1000 U	1000 U	20000 U	2000 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U
Ethylbenzene	4.0 U	4.0 U	1000 U	1000 U	1000 U	80 U	40 U	4.0 U	4.0 U	80 U	8.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
MethyleneChloride	3.0 U	3.0 U	750 U	750 U	750 U	60 U	30 U	3.0 U	3.0 U	60 U	6.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
1,1,2,2-Tetrachloroethane	1.0 U	1.0 U	250 U	250 U	250 U	20 U	10 U	1.0 U	1.0 U	20 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5.6	13	35000	37000	34000	75	68	0.6 J	1.0 U	28	9.0	120	180	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5.0 U	5.0 U	1200 U	1200 U	1200 U	100 U	50 U	5.0 U	5.0 U	100 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,1-Trichloroethane	5.0 U	3.0 J	1100 J	1000 J	930 J	100 U	50 U	5.0 U	5.0 U	60 J	6.4 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	3.0 U	3.0 U	750 U	750 U	750 U	60 U	30 U	3.0 U	3.0 U	60 U	6.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Trichloroethene	77	140	8300	11000	10000	2300	820	8.5	43	1800	230	22	49	1.0 U	1.0 U	1.0 U	1.0 U
VinylChloride	5.0 U	5.0 U	1200 U	1200 U	1200 U	100 U	50 U	5.0 U	5.0 U	100 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
TOTAL VOCs	143	206	43300	48000	44000	3035	1148	25	81	2616	302	142	229	0	0	0	0

Sample ID	MW-74S	MW-74D	MW-75S	MW-75D	MW-75D Duplicate	MW-81S	MW-81D	MW-82	MW-85	MW-87	MW-88	MW-91	MW-92
Lab Sample Number	536225	536226	536968	536969	536970	537085	537086	535796	535799	536967	536230	536233	536965
Sampling Date	06/09/04	06/09/04	06/10/04	06/10/04	06/10/04	06/10/04	06/10/04	06/07/04	06/08/04	06/10/04	06/09/04	06/09/04	06/10/04
Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
METALS													
Chromium	2.8 U	2.8 U	2.8 U	13.2	NR	NR	NR	NR	2.8 U	2.8 U	2.8 U	NR	NR
Lead	2.2 U	2.2 U	2.2 U	2.2 U	NR	NR	NR	NR	2.2 U	2.2 U	2.2 U	NR	NR
Nickel	3.9 U	4.7 B	3.9 U	3.9 U	NR	NR	NR	NR	3.9 U	3.9 U	3.9 U	NR	NR
Zinc	9.2 B	17.9 B	8.7 B	6.2 B	NR	NR	NR	NR	14.3 B	12.6 B	20.3 B	NR	NR
ChromiumVI	10.0 U	10.0 U	10.0 U	13.3	NR	NR	NR	NR	10.0 U	10.0 U	10.0 U	NR	NR
Free Cyanide - mg/l	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.01 U	0.005 U
Total Cyanide - mg/l	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.025	0.015

NOTES:

ALL ANALYSES PERFORMED BY SEVERN TRENT LABORATORIES - EDISON, NJ

Blue indicates concentration that is at least half of last year's value

Yellow indicates concentration that has at least doubled from last year

NA - Not applicable.

NR - (Analysis) Not Requested.

µg/l - Micrograms per liter

mg/l - Milligrams per liter

Qualifiers

U - The compound was not detected at the indicated concentration.

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.

B - Reported value is less than the Practical Quantitation Limit but greater than or equal to the Instrument Detection Limit.

GC/MS - Gas chromatograph/mass spectrometer

TABLE A-3
GROUNDWATER QUALITY ANALYSES
2004 EXTRACTION WELL SAMPLING SUMMARY
Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations
1425 Eden Road, York PA 17402

Sample ID	CW-1	CW-1A	CW-2	CW-3	CW-4	CW-5	CW-6	CW-7	CW-7A	CW-8	CW-9	CW-13	CW-15A	CW-17	Softail
Lab Sample Number	534633	534634	534635	534636	534637	534638	534639	534640	534641	534642	534643	534644	534645	534646	534647
Sampling Date	06/03/04	06/03/04	06/03/04	06/03/04	06/03/04	06/03/04	06/03/04	06/03/04	06/03/04	06/03/04	06/03/04	06/03/04	06/03/04	06/03/04	06/03/04
Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	5.0	2.0	5.0	10.0	100.0	5.0	1.0
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS (GC/MS)															
Chloromethane	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	10 U	25 U	50 U	500 U	25 U	5.0 U
Bromomethane	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	10 U	25 U	50 U	500 U	25 U	5.0 U
VinylChloride	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	10 U	25 U	15 J	500 U	25 U	5.0 U
Chloroethane	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	10 U	25 U	50 U	500 U	25 U	5.0 U
MethyleneChloride	3.0 U	6.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	15 U	6.0 U	15 U	30 U	300 U	15 U	3.0 U
1,1-Dichloroethene	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	10 U	14	10	18 J	2200	46	2.0 U
1,1-Dichloroethane	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	4.1 J	4.9 J	50 U	120 J	11 J	5.0 U
trans-1,2-Dichloroethene	5.0 U	10 U	5.0 U	5.0 U	0.8 J	5.0 U	5.0 U	5.0 U	25 U	10 U	25 U	6.9 J	500 U	25 U	5.0 U
cis-1,2-Dichloroethene	16	3.1 J	26	40	46	7.3	52	0.8 J	5.2 J	95	90	1100	5500	220	5.0 U
Chloroform	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	0.7 J	25 U	50 U	500 U	25 U	5.0 U
1,2-Dichloroethane	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	10 U	4.0 U	10 U	20 U	200 U	10 U	2.0 U
2-Butanone	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	10 U	25 U	50 U	500 U	25 U	5.0 U
1,1,1-Trichloroethane	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	22	31	23 J	11000	82	0.6 J
CarbonTetrachloride	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	10 U	4.0 U	10 U	20 U	200 U	10 U	2.0 U
Bromodichloromethane	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	2.0 U	5.0 U	10 U	100 U	5.0 U	1.0 U
1,2-Dichloropropane	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	2.0 U	5.0 U	10 U	100 U	5.0 U	1.0 U
(1) cis-1,3-Dichloropropene	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	10 U	25 U	50 U	500 U	25 U	5.0 U
Trichloroethene	90	310	77	60	95	12	58	41	480	360	340	900	11000	610	2.4
Dibromochloromethane	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	10 U	25 U	50 U	500 U	25 U	5.0 U
1,1,2-Trichloroethane	3.0 U	6.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	15 U	6.0 U	15 U	30 U	300 U	15 U	3.0 U
Benzene	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	2.0 U	5.0 U	10 U	100 U	5.0 U	1.0 U
(1) trans-1,3-Dichloropropene	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	10 U	25 U	50 U	500 U	25 U	5.0 U
2-ChloroethylVinylEther	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	10 U	25 U	50 U	500 U	25 U	5.0 U
Bromoform	4.0 U	8.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	20 U	8.0 U	20 U	40 U	400 U	20 U	4.0 U
Tetrachloroethene	1.0 U	4.0	0.7 J	9.8	5.8	18	200	0.6 J	5.6	22	510	260	1800	160	0.7 J
1,1,2,2-Tetrachloroethane	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	2.0 U	5.0 U	10 U	100 U	5.0 U	1.0 U
Toluene	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	10 U	25 U	50 U	500 U	25 U	5.0 U
Chlorobenzene	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	10 U	9.1 J	50 U	500 U	25 U	5.0 U
Ethylbenzene	4.0 U	8.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	20 U	8.0 U	20 U	40 U	400 U	20 U	4.0 U
Acrolein	100 U	200 U	100 U	100 U	100 U	100 U	100 U	100 U	500 U	200 U	500 U	1000 U	10000 U	500 U	100 U
Acrylonitrile	50 U	100 U	50 U	50 U	50 U	50 U	50 U	50 U	250 U	100 U	250 U	500 U	5000 U	250 U	50 U
1,4-Dioxane	1000 U	2000 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	5000 U	2000 U	5000 U	10000 U	100000 U	5000 U	1000 U
Total Confident Conc. VOAs (s)	106	314	103	110	147	37	310	41	486	513	981	2260	31500	1118	2.4

ALL ANALYSES PERFORMED BY SEVERN TRENT LABORATORIES - EDISON, NJ
(1) Values listed reflect the combined standards for the cis and trans isomers of 1,3-Dichloropropene.

Qualifiers

U - The compound was not detected at the indicated concentration.

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

TABLE A-3
GROUNDWATER QUALITY ANALYSES
2004 EXTRACTION WELL SAMPLING SUMMARY
Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations
1425 Eden Road, York PA 17402

Sample ID	CW-1	CW-1A	CW-2	CW-3	CW-4	CW-5	CW-6	CW-7	CW-7A	CW-8	CW-9	CW-13	CW-15A	CW-17	Softail
Lab Sample Number	592227	592675	592228	592229	592230	592231	Not	592234	592232	592239	592235	592236	592233	592237	592238
Sampling Date	12/09/04	12/10/04	12/09/04	12/09/04	12/09/04	12/09/04	Pumping	12/09/04	12/09/04	12/09/04	12/09/04	12/09/04	12/09/04	12/09/04	12/09/04
Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	5.0	10.0	10.0	100.0	5.0	1.0
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS (GC/MS)															
Chloromethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NS	5.0 U	10 U	25 U	50 U	50 U	500 U	25 U	5.0 U
Bromomethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NS	5.0 U	10 U	25 U	50 U	50 U	500 U	25 U	5.0 U
VinylChloride	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NS	5.0 U	10 U	25 U	50 U	27 J	500 U	25 U	5.0 U
Chloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NS	5.0 U	10 U	25 U	50 U	50 U	500 U	25 U	5.0 U
MethyleneChloride	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	NS	3.0 U	6.0 U	15 U	30 U	30 U	300 U	15 U	3.0 U
1,1-Dichloroethene	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	NS	2.0 U	4.0 U	15	14 J	6.3 J	1800	27	2.0 U
1,1-Dichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NS	5.0 U	10 U	3.5 J	5.6 J	50 U	110 J	9.2 J	5.0 U
trans-1,2-Dichloroethene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NS	5.0 U	10 U	25 U	50 U	50 U	500 U	25 U	5.0 U
cis-1,2-Dichloroethene	11	0.6 J	17	40	53	23	NS	0.6 J	25	120	120	880	4900	150	5.0 U
Chloroform	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NS	5.0 U	10 U	25 U	50 U	50 U	500 U	25 U	5.0 U
1,2-Dichloroethane	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	NS	2.0 U	4.0 U	10 U	20 U	20 U	200 U	10 U	2.0 U
2-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NS	5.0 U	10 U	25 U	50 U	50 U	500 U	25 U	5.0 U
1,1,1-Trichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NS	5.0 U	10 U	26	73	11 J	9100	57	1.0 J
CarbonTetrachloride	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	NS	2.0 U	4.0 U	10 U	20 U	20 U	200 U	10 U	2.0 U
Bromodichloromethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS	1.0 U	2.0 U	5.0 U	10 U	10 U	100 U	5.0 U	1.0 U
1,2-Dichloropropane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS	1.0 U	2.0 U	5.0 U	10 U	10 U	100 U	5.0 U	1.0 U
(1) cis-1,3-Dichloropropene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NS	5.0 U	10 U	25 U	50 U	50 U	500 U	25 U	5.0 U
Trichloroethene	78	66	46	79	98	29	NS	28	190	460	710	710	10000	400	2.4
Dibromochloromethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NS	5.0 U	10 U	25 U	50 U	50 U	500 U	25 U	5.0 U
1,1,2-Trichloroethane	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	NS	3.0 U	6.0 U	15 U	30 U	30 U	300 U	15 U	3.0 U
Benzene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS	1.0 U	2.0 U	5.0 U	10 U	10 U	100 U	5.0 U	1.0 U
(1) trans-1,3-Dichloropropene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NS	5.0 U	10 U	25 U	50 U	50 U	500 U	25 U	5.0 U
2-ChloroethylVinylEther	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NS	5.0 U	10 U	25 U	50 U	50 U	500 U	25 U	5.0 U
Bromoform	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	NS	4.0 U	8.0 U	20 U	40 U	40 U	400 U	20 U	4.0 U
Tetrachloroethene	1.0 U	1.0	0.4 J	5.4	5.5	46	NS	1.0 U	7.7	25	1300	200	1500	82	1.1
1,1,2,2-Tetrachloroethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS	1.0 U	2.0 U	5.0 U	10 U	10 U	100 U	5.0 U	1.0 U
Toluene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NS	5.0 U	10 U	25 U	50 U	50 U	500 U	25 U	5.0 U
Chlorobenzene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NS	5.0 U	10 U	25 U	50 U	50 U	500 U	25 U	5.0 U
Ethylbenzene	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	NS	4.0 U	8.0 U	20 U	40 U	40 U	400 U	20 U	4.0 U
Acrolein	100 U	100 U	100 U	100 U	100 U	100 U	NS	100 U	200 U	500 U	1000 U	1000 U	10000 U	500 U	100 U
Acrylonitrile	50 U	50 U	50 U	50 U	50 U	50 U	NS	50 U	100 U	250 U	500 U	500 U	5000 U	250 U	50 U
1,4-Dioxane	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	NS	1000 U	2000 U	5000 U	10000 U	10000 U	100000 U	5000 U	1000 U
Total Confident Conc. VOAs (s)	89	67	63	124	157	98		28	223	646	2203	1790	27300	716	3.5

ALL ANALYSES PERFORMED BY SEVERN TRENT LABORATORIES - EDISON, NJ
(1) Values listed reflect the combined standards for the cis and trans isomers of 1,3-Dichloropropene.

Qualifiers

U - The compound was not detected at the indicated concentration.
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.
NS - Not sampled.

TABLE A-4
WATER QUALITY ANALYSES
PACKED TOWER AERATOR SAMPLES (January 1, 2004 - December 31, 2004)
Harley-Davidson Motor Company Operations, Inc.
York Vehicle Operations
1425 Eden Road, York PA 17402

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		254671001	256755001	258861001	262623001	264757001	267313001	270913001	273812001	277522001	280557001	283426001	285889001
Sample Date		1/9/2004	2/6/2004	3/4/2004	4/15/2004	5/10/2004	6/3/2004	7/9/2004	8/6/2004	9/10/2004	10/7/2004	11/5/2004	12/6/2004
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.@0.13	N.D.@0.13	N.D.@0.13	N.D.@0.13	N.D.@0.13	N.D.@0.13	N.D.@0.13	N.D.@0.13	N.D.@0.13
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.	PTA Infl.	PTA Infl.	PTA Infl.	PTA Infl.	PTA Infl.
Lab ID		260869001	267312001	270914001	272241001	273811001	277521	284533001	285890001	287277001
Sample Date		03/26/04	06/03/04	07/09/04	07/22/04	08/06/04	09/10/04	11/18/04	12/06/04	12/17/04
Parameter	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result
1,1,1-TRICHLOROETHANE	µg/l	233	232	129	175	142	191	140	171	142
1,1-DICHLOROETHANE	µg/l	8.9	9.8	9.9	8.5	9.4	N.D.@10	5.8	7.8	7.2
1,1-DICHLOROETHENE	µg/l	77.8	68.6	54.4	36.4	42.8	14.6	46	48.9	38.6
1,2-DICHLOROETHANE	µg/l	N.D.@1	N.D.@1	N.D.@1	N.D.@5	N.D.@1	N.D.@10	N.D.@1	N.D.@1	N.D.@1
CHLOROBENZENE	µg/l	1.1	2.1	2.7	N.D.@5	1.6	N.D.@10	3.1	2.3	2.4
CHLOROFORM	µg/l	N.D.@1	N.D.@1	N.D.@1	N.D.@5	N.D.@1	N.D.@10	N.D.@1	N.D.@1	N.D.@1
METHYLENE CHLORIDE	µg/l	N.D.@1	N.D.@1	N.D.@1	N.D.@5	N.D.@1	N.D.@20	N.D.@1	N.D.@1	N.D.@1
TETRACHLOROETHENE	µg/l	378	224	280	344	278	406	372	343	203
TRICHLOROETHENE	µg/l	771	686	539	691	517	703	603	578	377
VINYL CHLORIDE	µg/l	2.6	4.7	3.2	5.3	5.2	N.D.@10	3.3	4.3	3.3
CIS 1,2-DICHLOROETHENE	µg/l	332	399	309	382	263	336	272	282	219
TRANS 1,2-DICHLOROETHENE	µg/l	1.8	1.6	2.0	8.0	1.5	21.3	1.0	1.3	2.1
TOTAL VOCs	µg/l	1806	1628	1329	1650	1260.5	1671.9	1446.2	1438.6	994.6

ALL ANALYSES PERFORMED BY ANALYTICAL LABORATORY SERVICES, INC - MIDDLETOWN, PA

µg/l - micrograms per liter
N.D.@1 not detected at indicated concentration
N.A. - not analyzed
PTA Infl. - Official sample name is "influent to #003 GWTS"
PTA Effl. - Official sample name is "outfall #003 GWTS"

TABLE A-5
GROUNDWATER QUALITY ANALYSES
OFF-SITE SAMPLES (January 1, 2004 - December 31, 2004)
Harley - Davidson Motor Company Operations, Inc.
York Vehicle Operations
1425 Eden Road, York PA 17402

Sample ID	Folk	Folk	Folk	RW-4 Folk	Tate	Tate	Tate	S-6 Tate	Hermann	Hermann	Hermann	S-7 Herman	Trip Blank	Trip Blank	Trip Blank	Trip Blank
Lab Sample Number	505292	533228	558446	587680	505293	533229	558445	587681	505294	533230	558447	587682	505295	533231	558448	587683
Sampling Date	02/25/04	5/27/04	8/26/04	11/22/04	02/25/04	5/27/04	8/26/04	11/22/04	02/25/04	5/27/04	8/26/04	11/22/04	02/25/04	5/27/04	8/24/04	11/22/04
Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS (GC/MS)																
Chloromethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
VinylChloride	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
MethyleneChloride	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
1,1-Dichloroethene	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1-Dichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform	5.0 U	5.0 U	1.7 J	5.0 U	2.7 J	2.2 J	1.6 J	1.8 J	1.3 J	1.2 J	0.9 J	1.3 J	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,1-Trichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CarbonTetrachloride	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Bromodichloromethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Benzene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-ChloroethylVinylEther	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
Tetrachloroethene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
Acrolein	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Acrylonitrile	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
1,4-Dioxane	N.A.	1000 U	1000 U	1000 U	N.A.	1000 U	1000 U	1000 U	N.A.	1000 U	1000 U	1000 U	N.A.	1000 U	1000 U	1000 U
Total Confident Conc. VOAs (s)	0	0	1.7	0	2.7	2.2	1.6	1.8	1.3	1.2	0.9	1.3	0	0	0	0
WET CHEMISTRY																
FreeCyanide - mg/l	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NR	NR	NR	NR
TotalCyanide - mg/l	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NR	NR	NR	NR

ALL ANALYSES PERFORMED BY SEVERN TRENT LABORATORIES - EDISON, NJ

ug/l - micrograms per liter
mg/l - milligrams per liter
U - not detected at indicated concentration
N.A. - not analyzed
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.

APPENDIX B

2004 Site Boss® Data Summary

Harley Davidson Motor Company

Groundwater Treatment Plant Operations

From: 1/1/2004
To: 12/31/2004

	Tower Blower		Tower Pump		Discharge	Acid Pump					SVE Blower	
DATE	Cycles	Hours	Cycles	Hours	Flow	Cycles	Hours	KWH	pH	De-Water Flow	Cycles	Hours
1/1/2004	1	23.98	1	23.98	448100	0	0.00	1820	8.00	0	0	0
1/2/2004	1	23.98	1	23.98	447100	0	0.00	1719	8.00	0	0	0
1/3/2004	1	23.98	1	23.98	447100	0	0.00	1719	8.00	0	0	0
1/4/2004	1	23.98	1	23.98	447500	0	0.00	1748	8.00	0	0	0
1/5/2004	2	23.93	2	23.93	441100	0	0.00	1873	8.00	8910	1	10.82
1/6/2004	1	23.98	1	23.98	449700	0	0.00	2039	8.00	0	1	23.98
1/7/2004	2	11.83	2	11.83	223400	0	0.00	1302	8.10	1020	1	11.75
1/8/2004	3	2.93	3	2.93	40000	0	0.00	701	8.00	0	1	2.6
1/9/2004	1	23.98	1	23.98	403400	0	0.00	1954	8.00	0	1	23.98
1/10/2004	1	21.25	1	21.25	401600	0	0.00	1925	8.00	0	1	21.25
1/11/2004	0	0	0	0	0	0	0.00	608	8.00	0	0	0
1/12/2004	1	16.65	1	16.65	286600	0	0.00	1531	8.00	12720	1	16.67
1/13/2004	1	23.97	1	23.97	431100	0	0.00	2020	8.00	6670	1	23.97
1/14/2004	1	23.98	1	23.98	435300	0	0.00	2121	8.00	12410	1	23.98
1/15/2004	50	21.17	5	19.23	356100	0	0.00	1918	8.00	1430	1	23.97
1/16/2004	2	22.02	2	13.88	256700	0	0.00	1748	8.00	1820	2	22.03
1/17/2004	1	23.98	1	23.98	441400	0	0.00	2155	8.00	1380	1	23.98
1/18/2004	1	21.7	1	21.7	412200	0	0.00	1981	8.10	1610	1	21.7
1/19/2004	1	15.43	1	15.42	289800	0	0.00	1624	8.00	1740	1	15.47
1/20/2004	1	23.97	1	23.97	451500	0	0.00	2149	8.00	1370	1	23.97
1/21/2004	1	10.35	1	10.35	195000	0	0.00	1313	8.00	680	1	10.35
1/22/2004	1	16.63	1	16.63	309400	0	0.00	1674	8.00	1872	1	16.68
1/23/2004	1	23.07	1	23.07	430700	0	0.00	2098	8.00	936	1	23.07
1/24/2004	1	16.1	1	16.1	301700	0	0.00	1648	8.00	1248	1	16.13
1/25/2004	1	23.98	1	23.98	449100	0	0.00	2150	8.00	936	1	23.98
1/26/2004	1	23.98	1	23.98	448100	0	0.00	2128	8.00	936	1	23.98
1/27/2004	1	23.97	1	23.98	448900	0	0.00	2135	8.00	1248	1	23.97
1/28/2004	1	23.98	1	23.98	450500	0	0.00	2134	8.00	1248	1	23.98
1/29/2004	1	23.97	1	23.97	449500	0	0.00	2117	8.00	1248	1	23.97
1/30/2004	5	23.8	35	21.57	238000	0	0.00	1704	8.10	1248	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
1/31/2004	0	0	0	0	0	0	0.00	0	0.00	0	0	0
2/1/2004	2	23.3	2	23.3	310300	0	0.00	1784	8.00	936	2	23.35
2/2/2004	1	23.98	1	23.98	373200	0	0.00	1910	8.10	7488	1	23.98
2/3/2004	1	23.97	1	23.97	440900	0	0.00	2072	8.10	1560	1	23.97
2/4/2004	1	23.98	1	23.98	446800	0	0.00	2077	8.10	3120	1	23.98
2/5/2004	1	23.97	1	23.97	456700	0	0.00	2118	8.10	16224	1	23.97
2/6/2004	1	23.97	1	23.97	451200	0	0.00	2116	8.10	5304	1	23.97
2/7/2004	1	23.98	1	23.98	456000	0	0.00	2126	8.10	7176	1	23.98
2/8/2004	1	23.98	1	23.98	456900	0	0.00	2161	8.10	6552	1	23.98
2/9/2004	1	23.98	1	23.98	465400	0	0.00	2114	8.10	22776	1	23.98
2/10/2004	1	23.97	1	23.97	463900	0	0.00	2081	8.10	18096	1	23.97
2/11/2004	1	23.98	1	23.98	462000	0	0.00	2123	8.10	14976	1	23.98
2/12/2004	1	23.98	1	23.98	455000	0	0.00	2099	8.20	6864	1	23.98
2/13/2004	2	15.5	2	15.5	293700	0	0.00	1525	8.20	6864	2	15.52
2/14/2004	1	23.98	1	23.98	444000	0	0.00	2082	8.20	5928	1	23.98
2/15/2004	1	23.98	1	23.98	444100	0	0.00	2103	8.20	5304	1	23.98
2/16/2004	1	23.97	1	23.97	452600	0	0.00	2123	8.20	16224	1	23.97
2/17/2004	3	15.02	3	14.97	283100	0	0.00	1533	8.20	11856	2	16.12
2/18/2004	1	23.98	1	23.98	462500	0	0.00	2089	8.20	12792	1	23.98
2/19/2004	1	23.97	1	23.97	457500	0	0.00	2047	8.20	5924	1	23.97
2/20/2004	1	23.97	1	23.97	456900	0	0.00	2045	8.20	6864	1	23.97
2/21/2004	1	23.98	1	23.98	424800	0	0.00	1979	8.30	5928	1	23.98
2/22/2004	1	23.98	1	23.98	347873	0	0.00	1844	8.30	4680	1	23.98
2/23/2004	1	23.98	1	23.98	356705	0	0.00	1835	8.30	12792	1	23.98
2/24/2004	1	23.98	1	23.98	353019	0	0.00	1878	8.30	9984	1	23.98
2/25/2004	1	23.97	1	23.97	359369	0	0.00	1867	8.30	10920	1	23.97
2/26/2004	1	23.98	1	23.98	356242	0	0.00	1850	8.30	9360	1	23.98
2/27/2004	1	23.97	1	23.97	353265	0	0.00	1828	8.30	13416	1	23.97
2/28/2004	0	23.98	10	23.98	351321	0	0.00	1807	8.30	3120	1	23.98
2/29/2004	1	23.98	1	23.98	351321	0	0.00	1807	8.30	3120	1	23.98
3/1/2004	1	23.98	1	23.98	359540	0	0.00	1779	8.30	11544	1	23.98
3/2/2004	1	23.97	1	23.97	351232	0	0.00	1730	8.30	2808	1	23.97
3/3/2004	1	23.97	1	23.97	360300	0	0.00	1762	8.30	10608	1	23.97
3/4/2004	1	23.98	1	23.98	359900	0	0.00	1771	8.30	9048	1	23.98
3/5/2004	1	23.98	1	23.98	351600	0	0.00	1732	8.30	3120	1	23.98

DATE	Tower Blower		Tower Pump		Discharge	Acid Pump					SVE Blower	
	Cycles	Hours	Cycles	Hours	Flow	Cycles	Hours	KWH	pH	De-Water Flow	Cycles	Hours
3/6/2004	1	23.98	1	23.98	356700	0	0.00	1716	8.30	11544	1	23.98
3/7/2004	1	23.97	1	23.97	353200	0	0.00	1727	8.30	6864	1	23.97
3/8/2004	0	23.98	1	23.98	378250	0	0.00	1863		6240	1	23.98
3/9/2004	1	23.98	1	23.98	378250	0	0.00	1863	8.30	6240	1	23.98
3/10/2004	2	23.97	2	23.97	247400	0	0.00	1534	8.50	4680	1	7.85
3/11/2004	1	23.97	1	23.97	146100	0	0.00	1183	8.50	4368	0	0
3/12/2004	1	23.98	1	23.98	145900	0	0.00	1156	8.50	4056	0	0
3/13/2004	1	23.98	1	23.98	146700	0	0.00	1178	8.50	3432	0	0
3/14/2004	1	23.98	1	23.98	146400	0	0.00	1139	8.50	3432	0	0
3/15/2004	1	23.98	1	23.98	143500	0	0.00	1140		0	0	0
3/16/2004	1	23.98	1	23.98	143500	0	0.00	1140	8.50	7488	0	0
3/17/2004	1	23.98	1	23.98	148800	0	0.00	1187	8.50	7176	0	0
3/18/2004	1	23.98	1	23.98	352000	0	0.00	1711	8.20	6240	1	12.82
3/19/2004	1	23.98	1	23.98	478500	0	0.00	2032	8.20	14040	1	23.98
3/20/2004	1	23.97	1	23.97	480900	0	0.00	1999	8.20	6240	1	23.98
3/21/2004	1	23.98	1	23.98	477500	0	0.00	1985	8.20	4992	1	23.98
3/22/2004	1	23.97	1	23.97	476600	0	0.00	1867	8.20	4056	1	23.97
3/23/2004	4	22.17	9	22.13	432100	0	0.00	1467	8.20	3744	2	18.43
3/24/2004	6	21.5	11	21.52	418200	0	0.00	1399	8.20	3432	2	19.87
3/25/2004	1	23.98	1	23.98	473700	0	0.00	1506	8.20	3120	1	23.98
3/26/2004	1	23.97	1	23.97	473700	0	0.00	1495	8.20	3432	1	23.97
3/27/2004	1	23.98	1	23.98	474100	0	0.00	1503		3120	1	23.98
3/28/2004	1	23.98	1	23.98	474100	0	0.00	1503	8.20	3120	1	23.98
3/29/2004	1	23.98	1	23.98	471500	0	0.00	1494	8.20	2808	1	9.62
3/30/2004	4	21.02	31	18.45	277600	1	6.50	1074	8.10	2496	1	7.92
3/31/2004	1	23.97	1	23.97	347800	0	0.00	1209	8.20	2496	1	23.97
4/1/2004	1	23.98	1	23.98	359200	0	0.00	1200	8.20	14040	1	23.98
4/2/2004	7	22.97	12	23	394700	0	0.00	1379	8.30	10920	1	13.27
4/3/2004	1	23.98	1	23.98	469700	0	0.00	1608	8.30	7488	0	0
4/4/2004	1	22.98	1	22.98	450500	0	0.00	1606	8.30	8424	0	0
4/5/2004	1	23.97	1	23.97	468700	0	0.00	1701	8.30	5304	0	0
4/6/2004	1	23.97	1	23.97	465100	0	0.00	1662	8.30	4056	1	13.08
4/7/2004	1	23.98	1	23.98	464100	0	0.00	1514	8.30	3744	1	23.98
4/8/2004	1	23.98	1	23.98	465800	0	0.00	1477	8.30	4056	1	23.98
4/9/2004	1	23.98	1	23.98	466000	0	0.00	1484	8.30	4056	1	23.98

DATE	Tower Blower		Tower Pump		Discharge	Acid Pump					SVE Blower	
	Cycles	Hours	Cycles	Hours	Flow	Cycles	Hours	KWH	pH	De-Water Flow	Cycles	Hours
4/10/2004	1	23.97	1	23.97	464700	0	0.00	1480	8.30	3120	1	23.97
4/11/2004	1	23.98	1	23.98	464900	0	0.00	1483	8.30	3120	1	23.98
4/12/2004	1	23.97	1	23.97	462600	0	0.00	1431	8.30	9672	1	23.97
4/13/2004	1	23.97	1	23.97	398300	0	0.00	1231	8.30	16536	1	23.97
4/14/2004	1	23.98	1	23.98	357700	0	0.00	1136	8.30	9360	1	23.98
4/15/2004	1	23.98	1	23.98	429800	0	0.00	1358	8.20	7800	1	23.98
4/16/2004	1	23.98	1	23.98	472000	0	0.00	1535	8.20	4368	1	23.98
4/17/2004	1	23.98	1	23.98	470900	0	0.00	1503	8.20	4368	1	23.98
4/18/2004	1	23.98	1	23.98	470900	0	0.00	1503	8.40	4368	1	23.98
4/19/2004	1	23.98	1	23.98	256800	0	0.00	1003	8.40	3432	1	23.98
4/20/2004	1	23.97	1	23.97	319500	0	0.00	1155	8.20	3432	1	23.97
4/21/2004	1	23.97	1	23.97	468800	0	0.00	1541	8.20	3120	1	23.97
4/22/2004	1	23.98	1	23.98	469900	0	0.00	1477	8.20	3120	1	23.98
4/23/2004	0	12	1	12	234996	0	0.00	1500	0.00	0	0	23.98
4/24/2004	0	0	0	0	0	0	0.00	0	0.00	0	0	0
4/25/2004	0	0	0	0	0	0	0.00	0	0.00	0	0	0
4/26/2004	4	14	2	14	274167	0	0.00	1500	8.20	26890	2	14
4/27/2004	1	23.98	1	23.98	467600	0	0.00	1494	8.20	8424	1	23.98
4/28/2004	1	23.98	1	23.98	470800	0	0.00	1526	8.20	7800	1	23.98
4/29/2004	1	23.97	1	23.97	471400	0	0.00	1495	8.20	4680	1	23.97
4/30/2004	1	23.98	1	23.98	473300	0	0.00	1476	8.20	4992	1	23.98
5/1/2004	1	0	1	0	469600	0	0.00	1474	8.20	4368	1	0
5/2/2004	1	23.98	1	23.98	472100	0	0.00	1473	8.20	7176	1	23.98
5/3/2004	1	23.98	1	23.98	469900	0	0.00	1504	8.20	10920	1	23.98
5/4/2004	1	23.97	1	23.97	471000	0	0.00	1513	8.10	0	1	23.97
5/5/2004	1	23.98	1	23.98	471300	0	0.00	1610	8.20	0	1	23.98
5/6/2004	2	23.52	2	23.5	459400	0	0.00	1644	8.20	4390	2	23.48
5/7/2004	2	23.93	2	23.93	460800	0	0.00	1851	8.20	5660	2	22.48
5/8/2004	1	23.97	1	23.97	465300	0	0.00	1938	0.00	6010	1	23.97
5/9/2004	1	23.97	1	23.97	465300	0	0.00	1938	8.10	6010	1	23.97
5/10/2004	0	21.48	0	0	414768	0	0.00	1938	0.00	6010	1	23.98
5/11/2004	0	8.77	0	0	179312	0	0.00	1938	0.00	6010	1	23.98
5/12/2004	0	4.82	0	0	100877	0	0.00	1938	0.00	6010	1	23.98
5/13/2004	0	0	0	0	0	0	0.00	0	0.00	0	0	10
5/14/2004	15	18.63	3	18.58	365300	6	0.20	1333	8.20	9180	1	9.52

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
5/15/2004	1	23.98	1	23.98	476000	0	0.00	1918	8.20	3820	0	0
5/16/2004	1	22.5	1	22.5	412079	0	0.00	1948	0.00	3820	0	0
5/17/2004	2	8	2	8	180902	0	0.00	1320	8.20	5190	1	0
5/18/2004	1	23.98	1	23.98	479900	0	0.00	1914	8.20	3100	1	16.88
5/19/2004	1	23.98	1	23.98	480500	0	0.00	1938	8.20	3730	1	23.98
5/20/2004	1	23.98	1	23.98	480300	0	0.00	1940	8.20	2870	1	23.98
5/21/2004	1	23.98	1	23.98	479400	0	0.00	1925	8.20	3020	1	23.98
5/22/2004	1	14.17	1	14.12	283000	0	0.00	1345	8.20	1610	1	14.17
5/23/2004	0	0	0	0	0	0	0.00	481	0.00	0	0	0
5/24/2004	0	0	0	0	0	0	0.00	481	0.00	0	0	0
5/25/2004	0	0	0	0	0	0	0.00	481	0.00	0	0	0
5/26/2004	0	0	0	0	0	0	0.00	481	0.00	0	0	0
5/27/2004	0	0	0	0	0	0	0.00	481	0.00	0	0	0
5/28/2004	0	0	0	0	0	0	0.00	481	0.00	0	0	0
5/29/2004	0	0	0	0	0	0	0.00	481	0.00	0	0	0
5/30/2004	0	0	0	0	0	0	0.00	481	0.00	0	0	0
5/31/2004	0	0	0	0	0	0	0.00	481	0.00	0	0	0
6/1/2004	1	23.97	1	16.93	335800	0	0.00	1606	8.10	6700	1	16.75
6/2/2004	2	23.98	25	23.08	349300	0	0.00	1706	8.10	1270	1	14.97
6/3/2004	1	23.98	1	23.98	474300	0	0.00	1946	8.20	830	1	8.48
6/4/2004	1	23.98	1	23.98	475800	0	0.00	1897	8.10	830	1	23.98
6/5/2004	1	23.98	1	23.98	475400	0	0.00	1716	8.10	7260	1	23.98
6/6/2004	1	23.98	1	23.98	472000	0	0.00	1514	8.20	3710	1	23.98
6/7/2004	1	23.98	1	23.98	473000	0	0.00	1501	8.20	2920	1	23.98
6/8/2004	1	23.98	1	23.98	473900	0	0.00	1490	8.20	2380	1	23.98
6/9/2004	1	23.98	1	23.98	472500	0	0.00	1482	8.20	1800	1	23.98
6/10/2004	1	23.98	1	23.98	474600	0	0.00	1479	8.20	1880	1	23.98
6/11/2004	1	23.98	1	23.98	474700	0	0.00	1496	8.20	4450	1	23.98
6/12/2004	1	23.97	1	23.97	477500	0	0.00	1496	8.20	1940	1	23.97
6/13/2004	1	23.97	1	23.97	477500	0	0.00	1496	8.20	1940	1	23.97
6/14/2004	1	23.98	7	23.98	465200	0	0.00	1457	8.20	1700	1	23.98
6/15/2004	1	23.98	1	23.98	457100	0	0.00	1463	8.20	2510	1	23.98
6/16/2004	1	23.98	1	23.98	447500	0	0.00	1456	8.20	1480	1	23.98
6/17/2004	2	22.2	2	22.2	420500	0	0.00	1362	8.20	1090	2	21.47
6/18/2004	1	23.98	1	23.98	465700	0	0.00	1465	8.30	1100	1	23.98

DATE	Tower Blower		Tower Pump		Discharge	Acid Pump					SVE Blower	
	Cycles	Hours	Cycles	Hours	Flow	Cycles	Hours	KWH	pH	De-Water Flow	Cycles	Hours
6/19/2004	1	23.98	2	23.97	461000	0	0.00	1457	8.30	860	1	23.98
6/20/2004	1	23.98	1	23.98	457700	0	0.00	1454	8.20	630	1	23.98
6/21/2004	1	23.98	1	23.98	451300	0	0.00	1442	8.30	630	1	23.98
6/22/2004	1	23.98	1	23.98	437300	0	0.00	1431	8.30	410	1	23.98
6/23/2004	2	23.92	4	23.8	441800	0	0.00	1440	8.30	410	1	8.12
6/24/2004	1	23.98	1	23.98	446500	0	0.00	1469	8.30	410	0	0
6/25/2004	1	23.98	1	23.98	449900	0	0.00	1459	8.30	190	1	12.27
6/26/2004	1	23.98	1	23.98	444900	0	0.00	1453	8.30	390	1	23.98
6/27/2004	0	0	0	0	0	0	0.00	0	0.00	0	0	0
6/28/2004	0	0	0	0	0	0	0.00	0	0.00	0	0	0
6/29/2004	0	0	0	0	0	0	0.00	0	0.00	0	0	0
6/30/2004	0	0	0	0	0	0	0.00	0	0.00	0	0	0
7/1/2004	0	0	0	0	0	0	0.00	0	0.00	0	0	0
7/2/2004	0	0	0	0	0	0	0.00	0	0.00	0	0	0
7/3/2004	0	0	0	0	0	0	0.00	0	0.00	0	0	0
7/4/2004	0	0	0	0	0	0	0.00	0	0.00	0	0	0
7/5/2004	0	0	0	0	0	0	0.00	0	0.00	0	0	0
7/6/2004	0	0	0	0	0	0	0.00	0	0.00	0	0	0
7/7/2004	5	17.9	2	17.87	334700	0	0.00	1083	8.30	970	2	17.75
7/8/2004	1	23.98	1	23.98	435300	0	0.00	1369	8.30	380	1	23.98
7/9/2004	1	23.98	1	23.98	460900	0	0.00	1439	8.30	160	1	23.98
7/10/2004	1	23.98	1	23.98	449500	0	0.00	1484	8.30	0	0	23.98
7/11/2004	1	23.98	1	23.98	449500	0	0.00	2967	8.30	0	1	23.98
7/12/2004	1	23.98	1	23.98	458300	0	0.00	1471	8.30	12280	1	23.98
7/13/2004	1	23.98	1	23.98	448900	0	0.00	1482	8.30	2890	1	23.98
7/14/2004	1	23.98	1	23.98	444600	0	0.00	1481	8.30	3230	1	23.98
7/15/2004	1	23.98	1	23.98	440600	0	0.00	1479	8.40	2730	1	23.98
7/16/2004	1	23.98	1	23.98	436500	0	0.00	1468	8.40	1400	1	23.98
7/17/2004	1	23.98	1	23.98	435600	0	0.00	1481	7.90	1030	1	23.98
7/18/2004	1	23.98	1	23.98	441800	0	0.00	1480	8.50	620	1	23.98
7/19/2004	1	23.98	1	23.98	437300	0	0.00	1471	8.30	840	1	23.98
7/20/2004	1	23.98	1	23.98	426900	0	0.00	1483	8.10	410	1	23.98
7/21/2004	1	23.98	1	23.98	432200	0	0.00	1479	8.10	410	1	23.98
7/22/2004	1	23.97	2	23.97	448400	0	0.00	1482	8.30	3510	1	23.97
7/23/2004	1	23.97	1	23.97	447100	0	0.00	1482	8.30	3650	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
7/24/2004	1	23.98	1	23.98	456800	0	0.00	1504	8.30	3920	1	23.98
7/25/2004	1	23.98	1	23.98	457100	0	0.00	1499	8.30	1870	1	23.98
7/26/2004	1	23.98	1	23.98	451700	0	0.00	1491	8.30	1470	1	23.98
7/27/2004	1	23.98	1	23.98	451000	0	0.00	1492	8.30	4340	1	23.98
7/28/2004	1	23.98	1	23.98	453000	0	0.00	1501	8.30	4780	1	23.98
7/29/2004	1	23.97	1	23.97	441800	0	0.00	1484	8.30	1500	1	23.97
7/30/2004	1	23.97	1	23.97	441800	0	0.00	1484	8.30	1500	1	23.97
7/31/2004	1	23.98	1	23.98	436500	0	0.00	1485	8.40	1320	1	23.98
8/1/2004	1	23.98	1	23.98	438300	0	0.00	1503	8.50	11640	1	23.98
8/2/2004	1	23.98	1	23.98	437400	0	0.00	1492	7.60	4120	1	23.98
8/3/2004	2	22.75	2	22.68	415300	0	0.00	1378	8.30	3770	2	19.92
8/4/2004	1	23.98	1	23.98	436500	0	0.00	1455	8.20	7700	1	23.98
8/5/2004	1	23.98	1	23.98	458600	0	0.00	1498	8.30	9530	1	23.98
8/6/2004	1	23.98	1	23.98	457700	0	0.00	1507	8.20	4300	1	23.98
8/7/2004	1	23.98	1	23.98	468800	0	0.00	1530	8.20	3290	1	23.98
8/8/2004	1	23.98	1	23.98	455000	0	0.00	1517	8.20	2730	1	23.98
8/9/2004	1	23.97	1	23.97	446800	0	0.00	1487	8.20	2290	1	23.97
8/10/2004	1	23.98	1	23.98	440100	0	0.00	1494	8.30	1990	1	23.98
8/11/2004	1	23.98	1	23.98	442600	0	0.00	1475	8.20	1620	1	23.98
8/12/2004	1	23.98	1	23.98	444900	0	0.00	1488	8.30	10090	1	23.98
8/13/2004	1	23.98	1	23.98	462900	0	0.00	1508	7.80	13620	1	23.98
8/14/2004	1	23.98	1	23.98	459300	0	0.00	1522	8.10	5130	1	23.98
8/15/2004	1	23.98	1	23.98	454700	0	0.00	1524	8.20	4200	1	23.98
8/16/2004	1	23.98	1	23.98	452000	0	0.00	1516	8.20	3940	1	23.98
8/17/2004	1	23.98	1	23.98	443500	0	0.00	1495	8.30	3150	1	23.98
8/18/2004	1	23.98	1	23.98	431600	0	0.00	1500	8.30	2930	1	23.98
8/19/2004	1	23.98	1	23.98	425900	0	0.00	1473	8.30	2600	1	23.98
8/20/2004	1	23.98	1	23.98	429200	0	0.00	1463	8.20	2160	1	23.98
8/21/2004	1	23.98	1	23.98	452400	0	0.00	1471	8.30	8640	1	23.98
8/22/2004	1	23.97	1	23.97	440800	0	0.00	1491	8.20	4560	1	23.97
8/23/2004	1	23.98	1	23.98	436000	0	0.00	1472	8.10	3170	1	23.98
8/24/2004	1	23.98	1	23.98	444300	0	0.00	1479	8.60	2560	1	23.98
8/25/2004	1	23.97	1	23.97	433200	0	0.00	1503	8.40	1920	1	23.97
8/26/2004	1	23.98	1	23.98	431900	0	0.00	1687	7.80	1960	1	23.98
8/27/2004	1	23.98	1	23.98	422900	0	0.00	1939	6.70	1530	1	23.98

DATE	Tower Blower		Tower Pump		Discharge	Acid Pump					SVE Blower	
	Cycles	Hours	Cycles	Hours	Flow	Cycles	Hours	KWH	pH	De-Water Flow	Cycles	Hours
8/28/2004	1	23.98	1	23.98	443700	0	0.00	1933	8.40	1310	1	23.98
8/29/2004	1	23.98	1	23.98	454800	0	0.00	1921	8.40	1090	1	23.98
8/30/2004	1	23.98	1	23.98	452900	0	0.00	1924	7.80	870	1	10.35
8/31/2004	1	23.98	1	23.98	438400	0	0.00	1930	8.40	650	0	0
9/1/2004	1	23.98	1	23.98	449900	0	0.00	1935	8.30	650	0	0
9/2/2004	1	23.97	1	23.97	447100	0	0.00	1929	8.30	430	0	0
9/3/2004	1	23.98	1	23.98	433400	0	0.00	1932	8.30	430	0	0
9/4/2004	1	23.98	1	23.98	452500	0	0.00	1968	8.30	410	1	14.32
9/5/2004	1	23.98	1	23.98	448800	0	0.00	1963	8.30	200	1	23.98
9/6/2004	1	23.98	1	23.98	427500	0	0.00	1956	8.30	200	1	23.98
9/7/2004	1	23.98	1	23.98	416200	0	0.00	1932	8.30	200	1	23.98
9/8/2004	1	23.98	22	22.87	318600	0	0.00	1725	7.90	200	1	23.98
9/9/2004	1	23.98	1	23.98	440500	0	0.00	1956	7.90	410	1	23.98
9/10/2004	1	23.98	1	23.98	434600	0	0.00	1960	8.00	210	1	23.98
9/11/2004	1	23.98	1	23.98	413000	0	0.00	1975	8.10	200	1	23.98
9/12/2004	1	23.98	1	23.98	419700	0	0.00	1961	8.20	200	1	23.98
9/13/2004	1	23.98	1	23.98	412900	0	0.00	1946	8.10	200	1	23.98
9/14/2004	1	23.98	1	23.98	419200	0	0.00	1954	8.10	0	1	23.98
9/15/2004	2	23.78	2	23.78	395700	0	0.00	1934	8.00	0	2	23.75
9/16/2004	1	23.97	1	23.97	389000	0	0.00	1942	8.00	190	1	23.97
9/17/2004	1	23.98	1	23.98	404500	0	0.00	1942	8.00	500	1	23.98
9/18/2004	1	23.98	1	23.98	367800	0	0.00	1774	7.90	31690	1	23.98
9/19/2004	1	23.98	1	23.98	340000	0	0.00	1689	7.90	5370	1	23.98
9/20/2004	1	23.98	1	23.98	422200	0	0.00	1933	8.00	4170	1	23.98
9/21/2004	4	21.35	4	21.3	392700	0	0.00	1864	8.00	4070	2	9.55
9/22/2004	1	23.98	1	23.98	440700	0	0.00	2046	8.00	3970	1	6.83
9/23/2004	1	23.98	1	23.98	439300	0	0.00	2032	8.00	3560	1	23.98
9/24/2004	1	23.98	1	23.98	435900	0	0.00	2014	8.00	3310	1	23.98
9/25/2004	1	23.98	1	23.98	430200	0	0.00	2024	8.00	3010	1	23.98
9/26/2004	1	23.98	1	23.98	430700	0	0.00	2021	8.10	2560	1	23.98
9/27/2004	2	21.58	2	21.58	391000	0	0.00	1820	8.10	2530	2	21.53
9/28/2004	1	23.98	1	23.98	439700	0	0.00	1995	8.10	17460	1	23.98
9/29/2004	2	22.95	2	22.95	431900	0	0.00	1934	8.10	11630	2	21.87
9/30/2004	1	23.98	1	23.98	443800	0	0.00	2008	8.10	6170	1	23.98
10/1/2004	1	23.98	1	23.98	437700	0	0.00	2015	8.20	4900	1	23.98

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
10/2/2004	1	23.98	1	23.98	423800	0	0.00	2006	8.20	4390	1	23.98
10/3/2004	1	23.98	1	23.98	424700	0	0.00	2010	8.20	4310	1	23.98
10/4/2004	1	23.98	1	23.98	418500	0	0.00	1992	8.20	3780	1	23.98
10/5/2004	1	23.98	1	23.98	442000	0	0.00	2010	8.20	3050	1	23.98
10/6/2004	1	23.98	1	23.98	443200	0	0.00	2011	8.20	2700	1	23.98
10/7/2004	1	23.98	1	23.98	448100	0	0.00	2000	8.20	2280	4	23.88
10/8/2004	1	23.97	1	23.97	440300	0	0.00	1993	8.20	2270	1	23.97
10/9/2004	1	23.98	1	23.98	440000	0	0.00	1996	8.30	2040	1	23.98
10/10/2004	1	23.98	1	23.98	436500	0	0.00	1997	8.30	1670	1	23.98
10/11/2004	1	23.97	1	23.97	443200	0	0.00	1992	8.30	1630	1	23.97
10/12/2004	2	21.95	2	21.6	351800	0	0.00	1676	8.30	1430	2	21.92
10/13/2004	1	23.98	1	23.98	380100	0	0.00	1769	8.30	1220	1	23.98
10/14/2004	1	23.98	1	23.98	380000	0	0.00	1754	8.30	1180	1	23.98
10/15/2004	1	23.98	1	23.98	376300	0	0.00	1742	8.40	1350	1	23.98
10/16/2004	1	23.98	1	23.98	374200	0	0.00	1736	8.40	1170	1	23.98
10/17/2004	1	23.98	1	23.98	369900	0	0.00	1754	8.40	970	1	23.98
10/18/2004	1	23.97	1	23.97	360500	0	0.00	1779	8.40	800	1	23.97
10/19/2004	2	21.08	3	21.03	356100	0	0.00	1611	8.40	1110	2	20.13
10/20/2004	1	23.98	1	23.98	436000	0	0.00	1771	8.40	1120	1	23.98
10/21/2004	1	23.97	1	23.97	436600	0	0.00	1466	8.40	1730	1	23.97
10/22/2004	1	23.98	1	23.98	440000	0	0.00	1586	8.30	1790	1	23.98
10/23/2004	1	23.98	1	23.98	431100	0	0.00	1982	8.40	1450	1	23.98
10/24/2004	1	23.98	1	23.98	433400	0	0.00	1959	8.40	1240	1	23.98
10/25/2004	1	23.97	1	23.97	426600	0	0.00	1941	8.40	1060	1	23.97
10/26/2004	1	23.98	1	23.98	420700	0	0.00	1915	8.40	870	1	23.98
10/27/2004	1	23.98	1	23.98	424100	0	0.00	1909	8.40	670	1	23.98
10/28/2004	1	23.97	1	23.97	422100	0	0.00	1900	8.40	670	1	23.97
10/29/2004	1	23.98	1	23.98	423400	0	0.00	1900	8.40	560	1	23.98
10/30/2004	1	23.98	1	23.98	434600	0	0.00	1904	8.40	3730	1	23.98
10/31/2004	1	23.98	1	23.98	434600	0	0.00	1904	8.40	3730	1	23.98
11/1/2004	1	23.98	1	23.98	438200	0	0.00	1917	8.40	1080	1	23.98
11/2/2004	1	23.98	1	23.98	420800	0	0.00	1920	8.40	590	1	23.98
11/3/2004	1	23.98	1	23.98	424800	0	0.00	1903	8.40	630	1	23.98
11/4/2004	1	23.98	2	23.98	433300	0	0.00	2009	8.40	2800	1	23.98
11/5/2004	1	23.98	1	23.98	449100	0	0.00	1996	8.40	2090	1	23.98

DATE	Tower Blower		Tower Pump		Discharge	Acid Pump					SVE Blower	
	Cycles	Hours	Cycles	Hours	Flow	Cycles	Hours	KWH	pH	De-Water Flow	Cycles	Hours
11/6/2004	2	21.25	2	21.25	394900	0	0.00	1808	8.40	2680	1	21.25
11/7/2004	1	23.98	1	23.98	424000	0	0.00	1987	8.40	920	1	23.98
11/8/2004	1	23.98	1	23.98	434700	0	0.00	1992	8.40	600	1	23.98
11/9/2004	1	23.98	1	23.98	412500	0	0.00	2080	8.40	620	1	23.98
11/10/2004	1	23.97	1	23.97	416000	0	0.00	2025	8.40	410	1	23.97
11/11/2004	1	23.98	1	23.98	417800	0	0.00	1949	8.40	410	1	23.98
11/12/2004	1	23.98	1	23.98	409200	0	0.00	2021	8.40	2670	1	23.98
11/13/2004	1	23.98	1	23.98	425600	0	0.00	2049	8.40	2990	1	23.98
11/14/2004	1	23.98	1	23.98	425600	0	0.00	2049	8.40	2990	1	23.98
11/15/2004	1	23.97	1	23.97	423100	0	0.00	2015	8.40	1190	1	23.97
11/16/2004	1	23.98	1	23.98	425600	0	0.00	2155	8.40	1010	1	23.98
11/17/2004	1	23.98	1	23.98	421600	0	0.00	2058	8.40	810	1	23.98
11/18/2004	1	23.98	1	23.98	413500	0	0.00	1953	8.40	790	2	23.97
11/19/2004	1	23.98	1	23.98	413500	0	0.00	1885	8.40	780	1	23.98
11/20/2004	1	23.98	1	23.98	408700	0	0.00	1907	8.40	970	1	23.98
11/21/2004	1	23.98	1	23.98	409400	0	0.00	1895	8.40	1520	1	23.98
11/22/2004	1	23.97	1	23.97	419700	0	0.00	1882	8.40	1130	1	23.97
11/23/2004	2	13.03	2	13	229000	0	0.00	1092	8.40	980	1	7.13
11/24/2004	1	23.98	1	23.98	430400	0	0.00	1934	8.40	1130	1	17.85
11/25/2004	1	23.98	1	23.98	424400	0	0.00	1981	8.40	2840	1	23.98
11/26/2004	1	23.98	1	23.98	413500	0	0.00	2095	8.40	1450	1	19.03
11/27/2004	1	23.98	1	23.98	406700	0	0.00	1976	8.40	1240	0	0
11/28/2004	1	23.98	1	23.98	406700	0	0.00	1976	8.40	1240	0	0
11/29/2004	1	23.98	1	23.98	406200	0	0.00	2023	8.40	2200	0	0
11/30/2004	1	23.98	1	23.98	404700	0	0.00	1958	8.40	1960	0	0
12/1/2004	1	23.97	1	23.97	420100	0	0.00	1948	8.40	10790	0	0
12/2/2004	1	8.08	1	8.03	138300	0	0.00	929	8.30	1380	0	0
12/3/2004	1	16.03	1	16.02	293700	0	0.00	1537	8.40	4390	1	12.32
12/4/2004	1	23.98	1	23.98	436400	0	0.00	2317	8.40	2220	0	0
12/5/2004	1	23.98	1	23.98	438700	0	0.00	2278	8.40	1980	0	0
12/6/2004	1	23.98	1	23.98	444200	0	0.00	2165	8.40	1750	3	14.85
12/7/2004	3	23.6	3	23.6	442500	0	0.00	2049	8.40	3820	3	22.95
12/8/2004	16	17.02	25	21.85	312900	0	0.00	1633	8.10	3550	2	6.93
12/9/2004	3	23.63	3	23.63	440900	0	0.00	2137	8.30	6770	2	15.3
12/10/2004	1	23.98	1	23.98	455500	0	0.00	2012	8.30	16690	1	23.98

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
12/11/2004	1	23.98	1	23.98	453700	0	0.00	1973	8.30	8440	1	23.98
12/12/2004	1	23.98	1	23.98	454100	0	0.00	2024	8.20	5140	1	23.98
12/13/2004	1	23.98	1	23.98	448500	0	0.00	1989	8.20	4130	1	23.98
12/14/2004	681	23.97	5	23.95	447200	0	0.00	2041	8.30	3440	1	23.3
12/15/2004	1	23.97	1	23.97	453500	0	0.00	2080	8.30	3180	1	17.3
12/16/2004	1	23.98	1	23.98	454800	0	0.00	2050	8.20	2900	1	23.98
12/17/2004	1	23.97	1	23.97	452600	0	0.00	2033	8.20	2870	3	23.97
12/18/2004	1	23.98	1	23.98	449600	0	0.00	2031	8.20	2640	1	23.98
12/19/2004	1	23.98	1	23.98	444200	0	0.00	2034	8.20	2640	1	23.98
12/20/2004	1	23.98	1	23.98	446500	0	0.00	2065	8.30	2200	1	23.98
12/21/2004	1	23.98	1	23.98	445600	0	0.00	2145	8.30	1520	1	23.98
12/22/2004	1	23.97	1	23.97	444900	0	0.00	2048	8.30	1720	1	23.97
12/23/2004	1	23.98	1	23.98	449200	0	0.00	2052	8.30	8290	1	23.98
12/24/2004	1	23.98	1	23.98	447700	0	0.00	2071	8.30	4440	1	23.98
12/25/2004	1	23.97	1	23.97	446300	0	0.00	2062	8.30	2980	1	23.97
12/26/2004	1	23.98	1	23.98	445400	0	0.00	2068	8.30	2210	1	23.98
12/27/2004	1	23.98	1	23.98	444800	0	0.00	2084	8.30	1980	1	23.98
12/28/2004	1	23.98	1	23.98	443300	0	0.00	2069	8.30	1740	1	23.98
12/29/2004	1	23.98	1	23.98	439900	0	0.00	1987	8.30	1480	1	23.98
12/30/2004	2	14.68	2	14.67	270300	0	0.00	1328	8.30	1700	2	14.43
12/31/2004	1	23.98	1	23.98	443300	0	0.00	1954	8.40	1880	1	23.98
Sum	1154	7893.52	565	7838.39	141076488	7	6.70	601706		1336976	342	6985.83
Max	681	23.98	35	23.98	480900	6	6.50	2967	8.60	31690	1154	23.98
Average	3	21.57	2	21.42	385455	0	0.02	1644	7.57	3653	1	19.09

Harley Davidson Motor Company

Northeast Area Well Flow Data

Gallons Pumped

From: 1/1/2004

To: 12/31/2004

DATE	CW-1	CW-1A	CW-2	CW-3	CW-4	CW-5	CW-6	CW-7	CW-7A
1/1/2004	2258	0	6	1876	2085	2029	4097	0	0
1/2/2004	2258	0	199	1827	2050	2021	4090	0	0
1/3/2004	2258	0	199	1827	2050	2021	4090	0	0
1/4/2004	2257	0	199	1823	2033	2013	4087	0	0
1/5/2004	2251	0	63	1840	2044	2223	4055	0	0
1/6/2004	2257	0	208	1907	2055	2406	4044	0	0
1/7/2004	1133	0	129	945	1018	1175	1994	0	0
1/8/2004	279	0	108	241	275	329	428	0	0
1/9/2004	2285	0	149	1966	2150	2579	3351	225	0
1/10/2004	2042	0	348	1741	1856	2201	2928	362	0
1/11/2004	0	0	348	0	0	0	0	0	0
1/12/2004	1581	0	112	1373	1523	1812	2035	318	0
1/13/2004	2271	0	226	1985	2113	2507	2830	409	0
1/14/2004	2263	0	186	1945	2078	2339	2792	402	0
1/15/2004	1840	0	99	1557	1667	1821	2234	323	0
1/16/2004	1333	0	112	1158	1248	1421	1654	290	0
1/17/2004	2271	0	112	1977	2093	2193	2867	400	0
1/18/2004	2079	0	112	1767	1883	2006	2591	362	0
1/19/2004	1453	0	111	1271	1355	1523	1814	290	0
1/20/2004	2272	0	178	1971	2079	2129	2791	393	0
1/21/2004	1008	0	106	853	903	890	1205	172	0
1/22/2004	1578	0	195	0	1501	1600	1951	309	0
1/23/2004	2222	0	262	1195	2042	2010	2691	379	0
1/24/2004	1525	0	191	7	1439	1475	1877	296	0
1/25/2004	2276	0	227	0	2128	2008	2900	387	0
1/26/2004	2274	0	228	0	2119	1986	2907	384	0
1/27/2004	2269	0	236	914	2112	1970	2879	381	0
1/28/2004	2267	0	247	2020	2096	1950	2857	378	0

DATE	CW-1	CW-1A	CW-2	CW-3	CW-4	CW-5	CW-6	CW-7	CW-7A
1/29/2004	2265	0	239	2003	2085	1923	2848	376	0
1/30/2004	843	0	87	724	757	693	1031	137	0
1/31/2004	0	0	0	0	0	0	0	0	0
2/1/2004	2230	0	294	2157	0	0	2771	0	0
2/2/2004	2271	0	210	2396	0	0	2831	0	0
2/3/2004	2271	0	383	2454	0	0	2827	0	0
2/4/2004	2270	0	253	2499	0	0	2809	0	0
2/5/2004	2270	0	360	2511	0	0	2802	0	0
2/6/2004	2266	0	528	2475	1072	1575	2796	212	0
2/7/2004	2269	0	255	2478	2186	3234	2795	395	0
2/8/2004	2266	0	71	2487	2125	3224	2779	397	0
2/9/2004	2265	0	565	2489	2098	3217	2777	397	0
2/10/2004	2263	0	840	2467	2071	3161	2779	397	0
2/11/2004	2263	0	824	2459	2054	3066	2776	397	0
2/12/2004	2263	0	301	2433	2067	2903	2777	396	0
2/13/2004	1486	0	221	1164	1008	1890	1809	291	1
2/14/2004	2279	0	732	0	32	2951	2830	407	0
2/15/2004	2280	0	844	0	117	2758	2826	400	0
2/16/2004	2277	0	884	0	1497	2558	2815	392	0
2/17/2004	1429	0	573	2	1229	1560	1743	277	1
2/18/2004	2283	0	906	150	1645	2512	2850	398	0
2/19/2004	2277	0	603	175	2189	2443	2855	396	0
2/20/2004	2274	0	503	1285	2152	2558	2554	395	0
2/21/2004	2269	0	658	2551	2111	2810	2227	401	0
2/22/2004	2269	0	24	2540	2101	2893	2227	401	0
2/23/2004	2267	0	30	2537	2104	2881	2223	400	0
2/24/2004	2264	0	26	2540	2103	2900	2221	401	0
2/25/2004	2262	0	34	2536	2100	2874	2218	399	0
2/26/2004	2260	0	69	2538	2105	2766	2219	397	0
2/27/2004	2254	0	537	2521	2104	2649	2441	393	1
2/28/2004	2261	0	689	2515	2101	2489	2622	387	0
2/29/2004	2261	0	689	2515	2101	2489	2622	387	0
3/1/2004	2261	0	570	2488	2072	2403	2511	382	0

DATE	CW-1	CW-1A	CW-2	CW-3	CW-4	CW-5	CW-6	CW-7	CW-7A
3/2/2004	2252	0	519	3319	3015	2392	2410	378	0
3/3/2004	2248	0	321	4383	3639	2321	2392	376	0
3/4/2004	2244	0	610	5414	3592	2290	2387	384	0
3/5/2004	2248	0	713	3871	3541	2321	2394	389	0
3/6/2004	2251	0	134	0	3628	2505	2424	393	0
3/7/2004	2250	0	134	0	3659	2589	2434	393	0
3/8/2004	2250	0	0	0	3674	2585	2428	392	0
3/9/2004	2250	0	163	3384	3674	2585	2428	392	0
3/10/2004	2233	0	185	6507	3639	2553	2371	389	0
3/11/2004	2233	0	160	6406	3612	2552	2365	390	0
3/12/2004	2234	0	1	6278	3595	2548	2362	389	0
3/13/2004	2233	0	1	6299	3557	2504	2357	388	0
3/14/2004	2234	0	1	6277	3557	2399	2351	387	0
3/15/2004	2222	0	0	6184	3533	2164	2263	260	0
3/16/2004	2222	0	2	6184	3533	2164	2263	260	0
3/17/2004	2235	0	538	6206	3558	2096	2155	0	0
3/18/2004	2235	0	1335	6180	3510	2028	2154	0	0
3/19/2004	2235	0	1435	6203	3461	2261	2152	1	0
3/20/2004	2232	0	1097	6227	3442	2492	2153	0	0
3/21/2004	2236	0	1097	6327	3469	2538	2162	0	0
3/22/2004	2233	0	1129	6310	3484	2472	2157	0	0
3/23/2004	2061	0	1260	2203	3270	2197	1957	0	0
3/24/2004	2142	0	652	3632	3248	2017	1885	245	0
3/25/2004	2229	0	92	6579	3592	2110	2167	365	0
3/26/2004	2229	0	697	6492	3556	2007	2155	361	0
3/27/2004	2222	0	1325	6361	3468	1902	2154	357	0
3/28/2004	2227	0	1325	6361	3468	1902	2154	357	0
3/29/2004	2222	0	303	6308	3461	1853	2155	355	0
3/30/2004	1260	0	303	3539	2031	1102	1204	282	0
3/31/2004	2255	0	303	6402	3685	1921	2174	361	0
4/1/2004	2250	0	303	6289	3613	2215	2167	366	0
4/2/2004	1696	0	141	6116	2940	2429	1176	359	0
4/3/2004	2241	0	141	6570	2821	2714	949	354	0

DATE	CW-1	CW-1A	CW-2	CW-3	CW-4	CW-5	CW-6	CW-7	CW-7A
4/4/2004	2143	0	141	6295	2672	2611	923	341	0
4/5/2004	2238	0	141	6579	2132	2729	968	356	0
4/6/2004	991	617	141	6394	1839	2802	829	354	0
4/7/2004	0	1041	141	6756	2035	2794	779	356	0
4/8/2004	0	1003	141	6668	2036	2519	773	354	0
4/9/2004	0	969	141	6568	2036	2314	795	356	0
4/10/2004	0	939	141	6480	2034	2105	878	357	0
4/11/2004	0	911	141	6403	2032	1975	814	358	0
4/12/2004	0	0	0	0	0	0	0	0	0
4/13/2004	0	0	0	0	0	0	0	0	0
4/14/2004	0	0	0	0	0	0	0	0	0
4/15/2004	1399	958	364	5432	3085	1551	1992	329	733
4/16/2004	2886	1192	352	6564	4262	3043	3369	344	1480
4/17/2004	2943	1110	62	6410	3919	2948	3298	342	1403
4/18/2004	2943	1110	62	6410	3919	2948	3298	342	1403
4/19/2004	2986	854	62	6103	3448	2005	3050	344	1246
4/20/2004	2956	897	78	6129	3542	2149	3091	343	1271
4/21/2004	2957	862	63	6064	3482	1968	3078	339	1240
4/22/2004	2922	826	55	5998	3437	1884	3062	337	1213
4/23/2004	1461	413	55	3000	1716	1442	1531	166	607
4/24/2004	0	0	0	0	0	0	0	0	0
4/25/2004	0	0	0	0	0	0	0	0	0
4/26/2004	1924	692	300	3711	2856	1853	1912	273	0
4/27/2004	3096	1218	292	5850	4100	2989	3020	360	0
4/28/2004	3087	1288	304	5733	3843	2986	2985	354	0
4/29/2004	3078	1233	255	5638	3714	2959	2965	354	0
4/30/2004	3081	1178	195	5526	3641	2765	2954	351	0
5/1/2004	3083	1130	216	5437	3597	2442	2943	352	0
5/2/2004	3077	1100	212	5354	3563	2275	2929	355	0
5/3/2004	3078	1164	166	5273	3538	2923	2921	363	0
5/4/2004	3101	1269	248	5190	3528	2973	2918	349	0
5/5/2004	3112	1261	260	5111	3522	2913	2916	354	0
5/6/2004	3027	1186	236	4906	3462	2691	2822	352	0

DATE	CW-1	CW-1A	CW-2	CW-3	CW-4	CW-5	CW-6	CW-7	CW-7A
5/7/2004	3073	1174	220	4963	3513	2477	2866	368	900
5/8/2004	3049	1062	240	4791	3538	2246	2858	342	1562
5/9/2004	3049	1062	240	4791	3538	2246	2858	342	1562
5/10/2004	941	329	85	1866	1514	1271	866	103	492
5/11/2004	3012	604	99	1761	1448	1057	1097	189	778
5/12/2004	735	366	99	937	707	535	1137	113	428
5/13/2004	0	0	0	0	0	0	0	0	0
5/14/2004	1552	673	99	1812	1638	1019	2238	193	822
5/15/2004	3966	1366	99	4648	4085	2277	5559	389	1903
5/16/2004	3492	1113	99	4084	3372	1781	4783	338	1569
5/17/2004	1480	525	99	1759	1453	799	2111	176	697
5/18/2004	3951	1234	99	4663	3830	1864	5499	384	1738
5/19/2004	3930	1170	99	4641	3755	1802	5429	380	1658
5/20/2004	3950	1128	99	4626	3697	1739	5398	377	1600
5/21/2004	3955	1097	99	4622	3685	1711	5391	374	1563
5/22/2004	2371	638	99	2743	2223	1004	3188	220	921
5/23/2004	0	0	0	0	0	0	0	0	0
5/24/2004	0	0	0	0	0	0	0	0	0
5/25/2004	0	0	0	0	0	0	0	0	0
5/26/2004	0	0	0	0	0	0	0	0	0
5/27/2004	0	0	0	0	0	0	0	0	0
5/28/2004	0	0	0	0	0	0	0	0	0
5/29/2004	0	0	0	0	0	0	0	0	0
5/30/2004	0	0	0	0	0	0	0	0	0
5/31/2004	0	0	0	0	0	0	0	0	0
6/1/2004	2811	900	87	3293	2169	1395	4045	284	1185
6/2/2004	2924	859	55	3389	2200	1293	4099	293	1150
6/3/2004	4237	1039	6	5086	2712	1486	5522	357	1433
6/4/2004	4433	955	6	5409	2502	1386	5452	353	1361
6/5/2004	4437	905	6	5460	1818	1422	5427	351	1358
6/6/2004	4431	886	28	5462	1061	1479	5398	349	1407
6/7/2004	4418	859	27	5455	711	1397	5362	350	1371
6/8/2004	4413	827	27	5444	0	1342	5345	349	1322

DATE	CW-1	CW-1A	CW-2	CW-3	CW-4	CW-5	CW-6	CW-7	CW-7A
6/9/2004	4412	802	80	5441	3	1328	5337	346	1299
6/10/2004	4410	779	94	5437	0	1323	5342	332	1304
6/11/2004	4409	758	108	5431	0	1382	5335	324	1270
6/12/2004	4405	749	89	5419	0	1364	5317	328	1231
6/13/2004	4405	749	89	5419	0	1364	5317	328	1231
6/14/2004	4403	741	89	5411	0	1352	5315	330	1217
6/15/2004	3802	718	190	4154	34	1355	5292	323	1204
6/16/2004	0	757	108	510	5	1317	5283	329	1212
6/17/2004	3	744	324	2656	0	1253	4970	321	1141
6/18/2004	0	767	342	4934	0	1342	5371	340	1235
6/19/2004	0	804	320	0	0	1329	5347	343	1232
6/20/2004	0	792	320	0	0	1321	5374	344	1220
6/21/2004	0	777	320	0	0	1317	5396	344	1217
6/22/2004	0	770	251	0	0	1308	5422	343	1213
6/23/2004	12	754	342	2931	36	1293	5392	344	1198
6/24/2004	0	745	171	6822	0	1271	5416	327	1190
6/25/2004	28	748	29	5476	16	1253	5361	327	1176
6/26/2004	29	741	40	4654	12	1237	5354	321	1168
6/27/2004	0	0	0	0	0	0	0	0	0
6/28/2004	0	0	0	0	0	0	0	0	0
6/29/2004	0	0	0	0	0	0	0	0	0
6/30/2004	0	0	0	0	0	0	0	0	0
7/1/2004	0	0	0	0	0	0	0	0	0
7/2/2004	0	0	0	0	0	0	0	0	0
7/3/2004	0	0	0	0	0	0	0	0	0
7/4/2004	0	0	0	0	0	0	0	0	0
7/5/2004	0	0	0	0	0	0	0	0	0
7/6/2004	0	0	0	0	0	0	0	0	0
7/7/2004	1769	495	47	2687	1036	382	3182	213	703
7/8/2004	0	0	47	0	0	0	0	0	0
7/9/2004	3886	571	47	2613	1837	0	3766	242	794
7/10/2004	5294	630	48	4445	2706	0	5638	321	1125
7/11/2004	5294	630	47	4445	2706	0	5638	321	1125

DATE	CW-1	CW-1A	CW-2	CW-3	CW-4	CW-5	CW-6	CW-7	CW-7A
7/12/2004	5049	532	47	4376	2599	0	5533	316	992
7/13/2004	5005	553	47	4337	2561	0	5515	316	975
7/14/2004	4769	551	47	4304	2517	0	5508	318	962
7/15/2004	2817	614	47	4032	2417	1	3945	314	886
7/16/2004	1787	637	47	4237	0	0	3133	309	919
7/17/2004	1801	615	47	4217	0	0	3155	306	910
7/18/2004	1801	622	47	4202	0	0	3163	305	906
7/19/2004	1802	635	47	4183	0	0	3172	301	902
7/20/2004	2756	662	47	5496	2644	0	3185	301	895
7/21/2004	3650	688	47	6453	4208	0	3188	305	882
7/22/2004	3574	265	47	6633	3935	0	2562	297	901
7/23/2004	3605	0	47	6693	3786	0	2288	300	904
7/24/2004	3612	0	47	6614	3699	0	2305	300	896
7/25/2004	3616	364	47	6557	3645	0	2293	294	890
7/26/2004	3602	641	47	6482	3602	0	2312	297	853
7/27/2004	3591	620	47	6415	3565	0	2328	286	848
7/28/2004	3597	609	47	6355	3536	0	2333	294	872
7/29/2004	3595	615	47	6220	3511	0	2377	277	867
7/30/2004	3595	615	47	6220	3511	0	2377	277	867
7/31/2004	3596	611	47	6190	3496	0	2371	276	837
8/1/2004	3593	601	47	6174	3479	0	2354	274	823
8/2/2004	0	0	0	0	0	0	0	0	0
8/3/2004	0	0	0	0	0	0	0	0	0
8/4/2004	17	715	2	6111	3638	0	2365	319	1007
8/5/2004	2024	760	2	6043	3654	0	2366	319	1066
8/6/2004	4018	814	2	5958	3581	0	2368	322	1179
8/7/2004	4615	827	2	5888	3370	0	2372	311	1201
8/8/2004	4607	808	3	5818	3157	0	2372	308	1178
8/9/2004	4604	702	4	5750	2914	0	2371	294	1168
8/10/2004	4603	660	2	5700	2683	0	2381	285	1151
8/11/2004	4582	689	12	5649	2511	1858	2382	290	1176
8/12/2004	4873	667	7	5716	2277	3074	2345	280	1143
8/13/2004	5083	788	0	5745	2065	3881	2328	271	1274

DATE	CW-1	CW-1A	CW-2	CW-3	CW-4	CW-5	CW-6	CW-7	CW-7A
8/14/2004	5066	932	0	5706	1822	3880	2322	271	1391
8/15/2004	5054	898	0	5654	1568	3812	2328	258	1419
8/16/2004	5046	863	0	5600	1301	3523	2330	246	1413
8/17/2004	5047	841	0	5548	993	3131	2337	234	1408
8/18/2004	5041	819	0	5480	715	2939	2344	226	1426
8/19/2004	5039	802	0	5417	20	2795	2347	215	1415
8/20/2004	5038	799	0	5212	0	2676	2339	222	1410
8/21/2004	5039	789	0	5113	0	293	2347	298	1351
8/22/2004	5032	798	0	5037	0	2246	2348	287	1293
8/23/2004	5027	799	0	4976	0	2882	2351	271	1266
8/24/2004	5308	788	1	5174	548	2728	2178	257	1252
8/25/2004	5400	801	0	5407	1063	2629	2001	237	1240
8/26/2004	5360	797	1	5326	425	2612	1969	224	1217
8/27/2004	5356	794	0	5230	289	2622	1948	214	1226
8/28/2004	5359	787	0	5093	265	2665	1953	190	1215
8/29/2004	5343	786	0	4946	205	2704	1924	24	1206
8/30/2004	5320	765	0	4803	171	2778	1842	181	1181
8/31/2004	5269	744	0	4723	142	2778	1846	254	1152
9/1/2004	5232	728	0	4699	141	2770	1854	226	1116
9/2/2004	5204	711	0	4654	134	2757	1857	208	1096
9/3/2004	5175	721	2	4958	2335	2796	1776	288	1076
9/4/2004	5065	725	2	5316	4024	2675	1719	351	1055
9/5/2004	4967	711	1	5239	3898	2570	1720	354	1022
9/6/2004	4895	701	0	5214	3698	2502	1716	350	994
9/7/2004	4851	693	0	5196	3601	1197	1716	351	964
9/8/2004	3780	517	1	3893	2694	0	1248	287	731
9/9/2004	4941	684	0	5193	3640	0	1686	351	950
9/10/2004	4781	676	0	5038	3492	1080	1681	350	894
9/11/2004	4758	665	0	5046	3436	1882	1682	348	860
9/12/2004	4728	652	0	5031	3376	1795	1683	347	833
9/13/2004	4713	637	0	5023	3355	1768	1684	348	810
9/14/2004	4678	628	0	5019	3335	1730	1688	346	777
9/15/2004	4631	601	0	5200	3281	1684	1717	344	751

DATE	CW-1	CW-1A	CW-2	CW-3	CW-4	CW-5	CW-6	CW-7	CW-7A
9/16/2004	4630	581	0	5396	3218	1606	1764	341	736
9/17/2004	4611	571	0	5469	3117	1600	1770	342	724
9/18/2004	4595	1239	0	5482	2758	1976	1777	350	980
9/19/2004	4611	969	0	5488	2724	2022	1781	361	1170
9/20/2004	4623	1001	0	5500	2676	1622	1792	363	1214
9/21/2004	4097	903	0	5154	2163	833	1662	356	1145
9/22/2004	4600	903	0	5523	2378	863	1793	367	1217
9/23/2004	4611	869	0	5496	2390	846	1795	364	1231
9/24/2004	4609	848	0	5482	2351	823	1801	363	1229
9/25/2004	4613	836	0	5479	2306	797	1807	363	1229
9/26/2004	4603	826	0	5463	2247	774	1812	362	1222
9/27/2004	4002	445	1	4940	2450	1166	1621	346	1123
9/28/2004	4554	0	0	5494	3478	1893	1813	364	1212
9/29/2004	2812	0	0	5286	3142	1936	1737	334	1438
9/30/2004	2693	0	0	5496	3207	2020	1806	364	1547
10/1/2004	4589	0	0	5463	3054	2025	1809	380	1578
10/2/2004	4575	0	0	5438	2915	2008	1812	380	1579
10/3/2004	4573	0	0	5408	2780	1976	1812	379	1559
10/4/2004	4572	0	0	5373	2593	1965	1812	378	1551
10/5/2004	4567	0	0	5333	2396	1943	1811	377	1516
10/6/2004	4562	0	0	5302	2190	1989	1813	374	1468
10/7/2004	4905	835	9	5464	1982	1908	1814	373	1454
10/8/2004	5067	1033	0	5522	1719	1830	1817	373	1412
10/9/2004	5046	990	0	5481	1491	1699	1820	371	1406
10/10/2004	5015	951	0	5431	1300	1650	1820	372	1376
10/11/2004	5001	917	0	5379	1048	1628	1820	369	1358
10/12/2004	4187	854	0	5319	29	1530	1649	350	1157
10/13/2004	5039	895	0	5287	2	1662	1835	368	1298
10/14/2004	5032	872	0	5233	0	1496	1835	367	1226
10/15/2004	5006	853	0	3575	1	1417	1837	363	1177
10/16/2004	4992	827	0	50	0	1356	1851	360	1131
10/17/2004	4976	797	0	52	0	1333	1861	358	1086
10/18/2004	4953	770	0	58	0	1339	1865	354	1068

DATE	CW-1	CW-1A	CW-2	CW-3	CW-4	CW-5	CW-6	CW-7	CW-7A
10/19/2004	1671	725	0	43	1	1184	1619	329	995
10/20/2004	1973	806	0	1701	1071	1261	1859	360	1077
10/21/2004	2920	771	0	3	1556	1284	1860	355	1020
10/22/2004	4467	621	3	3448	1480	1323	1865	357	1022
10/23/2004	5081	508	0	5032	284	1384	1856	353	1114
10/24/2004	4953	482	0	4957	0	1408	1851	353	1082
10/25/2004	4905	464	0	4850	0	1390	1848	353	1045
10/26/2004	882	229	0	4739	0	1388	1839	350	1013
10/27/2004	1	0	0	4640	0	1348	1837	353	1015
10/28/2004	0	92	49	3167	1	1355	4345	353	1005
10/29/2004	0	0	0	4552	1	1318	6955	355	1031
10/30/2004	0	0	0	4434	0	1239	6883	357	1037
10/31/2004	0	0	0	4434	0	1239	6883	357	1037
11/1/2004	0	0	0	4158	0	1124	6768	355	1010
11/2/2004	0	0	0	4029	27	1113	6734	350	1006
11/3/2004	0	0	0	3895	36	1094	6714	352	987
11/4/2004	2225	89	478	3562	941	1092	6754	354	898
11/5/2004	4174	340	307	3343	1515	1146	6779	352	811
11/6/2004	1821	433	53	2132	1093	842	4730	272	563
11/7/2004	2976	576	0	3006	1517	1177	6824	350	773
11/8/2004	4115	520	0	2920	1546	1081	4073	348	723
11/9/2004	4128	522	0	2876	1477	1128	43	344	680
11/10/2004		0	0	0	0	0	0	0	0
11/11/2004	0	0	0	0	0	0	0	0	0
11/12/2004	0	0	0	0	0	0	0	0	0
11/13/2004	0	0	0	0	0	0	0	0	0
11/14/2004	0	0	0	0	0	0	0	0	0
11/15/2004	0	518	0	3007	0	1285	0	347	662
11/16/2004	3467	495	0	4231	3147	1174	6	327	656
11/17/2004	4602	404	0	5553	4247	1021	0	329	634
11/18/2004	4313	440	0	5833	3385	1174	0	328	617
11/19/2004	4369	463	0	6118	2600	1239	0	327	590
11/20/2004	4320	463	0	6116	2402	1237	0	327	564

DATE	CW-1	CW-1A	CW-2	CW-3	CW-4	CW-5	CW-6	CW-7	CW-7A
11/21/2004	4490	165	0	6124	2323	1253	0	327	544
11/22/2004	4618	0	0	6132	2278	1239	0	326	537
11/23/2004	2508	0	39	3372	1229	764	0	201	307
11/24/2004	4674	0	0	6288	2336	1379	0	331	560
11/25/2004	4622	0	0	6243	2324	1360	0	328	538
11/26/2004	4550	0	0	6216	2230	1314	0	326	504
11/27/2004	4539	0	0	6205	2217	1296	0	324	495
11/28/2004	4539	0	0	6205	2217	1296	0	324	495
11/29/2004	4510	0	0	6210	2165	1409	0	322	482
11/30/2004	4511	0	0	6208	2101	1422	0	325	479
12/1/2004	4504	0	0	6215	1987	1632	0	323	501
12/2/2004	1515	0	0	2061	656	566	0	112	173
12/3/2004	3037	0	60	4346	2	1168	0	248	417
12/4/2004	4512	0	0	6389	0	1715	0	333	596
12/5/2004	4442	0	0	6336	0	1716	0	329	574
12/6/2004	4419	276	0	7318	838	1568	0	328	566
12/7/2004	4338	465	0	8155	1630	1497	0	326	565
12/8/2004	3100	365	12	5884	1640	1186	0	276	245
12/9/2004	4573	470	71	8093	2934	1556	0	331	400
12/10/2004	4637	483	0	8102	2856	2217	0	335	649
12/11/2004	4646	578	0	8104	2764	2929	0	339	804
12/12/2004	4649	711	0	8090	2669	2993	0	340	882
12/13/2004	4622	779	0	7999	2561	2786	0	343	887
12/14/2004	4637	711	0	7932	2425	2357	0	341	874
12/15/2004	4607	666	0	7890	2293	2056	0	338	844
12/16/2004	4554	681	0	7900	2205	1794	0	342	793
12/17/2004	4540	684	0	7887	1155	1666	0	343	796
12/18/2004	4548	680	0	4331	18	1630	0	341	795
12/19/2004	4522	692	0	41	8	1656	0	341	815
12/20/2004	4494	682	0	110	8	1649	0	340	794
12/21/2004	4455	670	0	57	3	1632	0	340	827
12/22/2004	4427	670	0	100	1	1592	0	338	817
12/23/2004	4444	679	0	100	2	1689	0	340	802

DATE	CW-1	CW-1A	CW-2	CW-3	CW-4	CW-5	CW-6	CW-7	CW-7A
12/24/2004	4527	702	0	67	0	1738	0	340	800
12/25/2004	4509	685	0	43	1	1729	0	339	801
12/26/2004	4486	686	0	36	0	1716	0	340	801
12/27/2004	4433	671	0	27	0	1683	0	338	786
12/28/2004	4365	666	0	11	0	1599	0	338	788
12/29/2004	4353	659	0	2	0	1578	0	341	789
12/30/2004	2663	443	71	0	0	996	0	231	508
12/31/2004	4330	638	24	0	0	1629	0	321	817
Sum	1045447	153148	47949	1391314	642492	561362	799692	102333	225755
Average	2864	418	131	3801	1755	1534	2185	280	617

Harley Davidson Motor Company

TCA and West Parking Lot Area Well Flow Data

Gallons Pumped

From: 1/1/2004

To: 12/31/2004

DATE	CW-8	CW-16	CW-9	CW-12	CW-13	CW-17	CW-15A
1/1/2004	128800	0	110882	0	90804	102977	0
1/2/2004	128800	0	110478	0	90709	102878	0
1/3/2004	128800	0	110478	0	90709	102878	0
1/4/2004	128800	0	110416	0	90685	102857	0
1/5/2004	113900	0	110124	0	90429	102749	0
1/6/2004	129300	0	110454	0	90662	103469	0
1/7/2004	64300	0	54675	0	44766	51080	0
1/8/2004	64300	0	13674	0	11463	12944	0
1/9/2004	81400	0	109564	0	91635	104807	0
1/10/2004	117700	0	96647	0	81390	93007	0
1/11/2004	117700	0	0	0	0	0	0
1/12/2004	55500	0	71419	0	63895	72599	0
1/13/2004	110900	0	102840	0	91617	104337	0
1/14/2004	109300	0	103199	0	91574	104053	0
1/15/2004	103700	0	81734	0	73533	83686	0
1/16/2004	73700	0	57611	0	53308	61420	0
1/17/2004	128900	0	99635	0	91625	105729	0
1/18/2004	116800	0	102911	0	83121	95869	0
1/19/2004	82500	0	69756	0	58708	67841	0
1/20/2004	128900	0	109506	0	91557	105740	0
1/21/2004	55900	0	46813	0	39726	45947	0
1/22/2004	88600	0	73170	0	63682	72906	0
1/23/2004	125400	0	100640	0	88455	101461	0

DATE	CW-8	CW-16	CW-9	CW-12	CW-13	CW-17	CW-15A
1/24/2004	86300	0	73330	0	61486	70262	0
1/25/2004	131100	0	108661	0	91584	104852	0
1/26/2004	129200	0	109149	0	91036	104623	0
1/27/2004	128900	0	109747	0	90778	104534	0
1/28/2004	128800	0	110179	0	90696	104488	0
1/29/2004	128800	0	110110	0	90671	104414	0
1/30/2004	48000	0	75754	0	34337	72287	0
1/31/2004	0	0	0	0	0	0	0
2/1/2004	48000	0	107194	0	88693	102671	0
2/2/2004	50000	0	108346	0	90690	104998	0
2/3/2004	128800	0	104708	0	90665	104911	0
2/4/2004	128400	0	109492	0	90656	104934	0
2/5/2004	124100	0	109320	0	90664	104968	0
2/6/2004	128400	0	108175	0	90628	104913	0
2/7/2004	128800	0	108567	0	90671	105003	0
2/8/2004	129100	0	108968	0	90682	105112	0
2/9/2004	119600	0	108962	0	90717	105056	0
2/10/2004	123500	0	108964	0	90897	105086	0
2/11/2004	124800	0	108960	0	91028	105088	0
2/12/2004	127600	0	108291	0	91338	105195	0
2/13/2004	81300	0	68701	0	59395	68092	0
2/14/2004	127800	0	103735	0	91481	104058	0
2/15/2004	128700	0	103582	0	91101	103950	0
2/16/2004	123200	0	104467	0	91138	104029	0
2/17/2004	75400	0	65493	0	56742	64749	0
2/18/2004	124400	0	113118	0	91726	105892	0
2/19/2004	127000	0	113274	0	91629	105833	0

DATE	CW-8	CW-16	CW-9	CW-12	CW-13	CW-17	CW-15A
2/20/2004	126900	0	111493	0	91621	105780	0
2/21/2004	127400	0	108781	0	92024	75983	0
2/22/2004	128300	0	108926	0	92676	0	0
2/23/2004	127000	0	109017	0	93069	0	0
2/24/2004	127200	0	108704	0	93113	0	162
2/25/2004	127700	0	113244	0	93587	0	0
2/26/2004	127000	0	113303	0	93646	0	0
2/27/2004	118300	0	113174	0	93631	0	0
2/28/2004	127100	0	113316	0	93665	0	0
2/29/2004	127100	0	113316	0	93665	0	0
3/1/2004	126700	0	113305	0	93657	0	0
3/2/2004	126200	0	113266	0	93660	0	0
3/3/2004	126300	0	113318	0	93669	0	0
3/4/2004	126200	0	113310	0	93640	0	0
3/5/2004	125800	0	113171	0	93661	0	0
3/6/2004	125700	0	112972	0	93649	0	0
3/7/2004	127400	0	113217	0	93576	0	0
3/8/2004	126100	0	111842	0	92657	0	0
3/9/2004	126100	0	111842	0	92657	54104	0
3/10/2004	125300	0	0	0	0	0	0
3/11/2004	125500	0	0	0	0	0	0
3/12/2004	126000	0	35776	0	29791	33750	0
3/13/2004	127700	0	0	0	0	0	0
3/14/2004	127200	0	0	0	0	0	0
3/15/2004	124600	0	0	0	0	0	0
3/16/2004	124600	0	0	0	0	0	0
3/17/2004	126000	0	0	0	0	0	0

DATE	CW-8	CW-16	CW-9	CW-12	CW-13	CW-17	CW-15A
3/18/2004	126000	0	72370	0	60545	67781	0
3/19/2004	122400	0	111792	0	92626	116371	0
3/20/2004	126100	0	111799	0	92383	123841	0
3/21/2004	125800	0	111779	0	91756	123675	0
3/22/2004	126600	0	110904	0	91615	123189	0
3/23/2004	114800	0	100710	0	84311	113090	238
3/24/2004	110300	0	95868	0	80872	108768	3310
3/25/2004	124500	0	107546	0	90726	122516	4761
3/26/2004	124400	0	0	0	0	0	0
3/27/2004	125300	0	107566	0	90606	122527	4563
3/28/2004	125300	0	107566	0	90606	122527	4563
3/29/2004	125300	0	107292	0	90541	122250	4491
3/30/2004	41900	0	73903	0	61929	83380	2577
3/31/2004	41900	0	108568	0	90681	122702	3100
4/1/2004	41900	0	109069	0	90580	122360	3059
4/2/2004	57100	0	101546	0	86464	116815	3246
4/3/2004	123600	0	102510	0	90564	122443	3964
4/4/2004	119200	0	98202	0	86784	117365	3819
4/5/2004	126300	0	102821	0	90429	122309	3914
4/6/2004	125300	0	103261	0	90487	122361	3884
4/7/2004	124900	0	103592	0	90501	122389	3884
4/8/2004	124900	0	105394	0	90528	122439	3889
4/9/2004	124800	0	105653	0	90548	122514	3887
4/10/2004	124500	0	105557	0	90487	122445	3879
4/11/2004	124800	0	106029	0	90373	122434	3874
4/12/2004	124300	0	106432	0	89868	122143	3787
4/13/2004	124700	0	35860	0	90569	122552	4142

DATE	CW-8	CW-16	CW-9	CW-12	CW-13	CW-17	CW-15A
4/14/2004	124400	0	2736	0	91134	122808	4083
4/15/2004	123900	0	66367	0	90784	122582	3869
4/16/2004	125200	0	100490	0	90606	122501	4024
4/17/2004	124400	0	101136	0	90597	122570	4282
4/18/2004	124400	0	101136	0	90597	122570	0
4/19/2004	124100	0	33712	0	30199	40857	0
4/20/2004	124300	0	189151	0	171762	231896	6671
4/21/2004	125000	0	101790	0	91409	122779	3399
4/22/2004	124500	0	102213	0	90888	122663	5002
4/23/2004	50400	0	40872	0	36887	49859	2024
4/24/2004	0	0	0	0	0	0	0
4/25/2004	0	0	0	0	0	0	0
4/26/2004	52600	0	64388	0	54275	72235	2619
4/27/2004	115000	0	102235	0	91796	122860	4200
4/28/2004	115600	0	107650	0	91545	122487	4170
4/29/2004	118900	0	107655	0	91512	122637	4136
4/30/2004	120200	0	108705	0	91542	122774	4237
5/1/2004	119400	0	105926	0	91539	122970	4541
5/2/2004	118100	0	106894	0	91541	122981	4847
5/3/2004	115000	0	103400	0	91546	122817	4947
5/4/2004	119700	0	106010	0	91496	122689	4924
5/5/2004	119900	0	106192	0	91494	122679	4894
5/6/2004	117700	0	102981	0	89312	119735	4780
5/7/2004	117200	0	98052	0	91440	122710	4885
5/8/2004	119200	0	99786	0	91322	122761	4903
5/9/2004	119200	0	99786	0	91322	122761	4903
5/10/2004	107600	0	97451	0	81802	110018	4420

DATE	CW-8	CW-16	CW-9	CW-12	CW-13	CW-17	CW-15A
5/11/2004	41900	0	40812	0	33850	45156	1539
5/12/2004	23700	0	21653	0	18680	24853	924
5/13/2004	0	0	0	0	0	0	0
5/14/2004	37200	0	41157	0	35287	46870	2042
5/15/2004	114800	0	108475	0	92741	123980	5449
5/16/2004	101200	0	96258	0	81231	108655	4104
5/17/2004	41400	0	42211	0	34974	46269	1759
5/18/2004	113800	0	111271	0	92519	127577	5587
5/19/2004	113800	0	111424	0	91912	127949	5669
5/20/2004	114700	0	111611	0	91555	127822	5831
5/21/2004	114400	0	111199	0	91549	127783	5844
5/22/2004	67700	0	65072	0	54152	75668	3436
5/23/2004	0	0	0	0	0	0	0
5/24/2004	0	0	0	0	0	0	0
5/25/2004		0	0	0	0	0	0
5/26/2004	0	0	0	0	0	0	0
5/27/2004	0	0	0	0	0	0	0
5/28/2004	0	0	0	0	0	0	0
5/29/2004	0	0	0	0	0	0	0
5/30/2004	0	0	0	0	0	0	0
5/31/2004	0	0	0	0	0	0	0
6/1/2004	76000	0	75971	0	65665	90184	3044
6/2/2004	84500	0	76861	0	68989	96258	2980
6/3/2004	115300	0	105639	0	92506	129920	5262
6/4/2004	114500	0	106659	0	92003	130719	5892
6/5/2004	109800	0	105999	0	91578	130362	5909
6/6/2004	111800	0	104921	0	91534	130347	5899

DATE	CW-8	CW-16	CW-9	CW-12	CW-13	CW-17	CW-15A
6/7/2004	113800	0	105312	0	91530	130200	5864
6/8/2004	115300	0	106289	0	91525	130239	5739
6/9/2004	115200	0	105522	0	91482	130220	5595
6/10/2004	115800	0	107067	0	91347	130142	5522
6/11/2004	115300	0	106077	0	90963	130078	5518
6/12/2004	116500	0	110418	0	90830	130171	5489
6/13/2004	116500	0	110418	0	90830	130171	5489
6/14/2004	116500	0	104240	0	89640	129981	5492
6/15/2004	122100	0	93722	0	82910	129981	5504
6/16/2004	125000	0	91627	0	81237	130033	5514
6/17/2004	115600	0	89090	0	75191	120272	5089
6/18/2004	124500	0	105891	0	81226	130040	5479
6/19/2004	125100	0	104915	0	81216	130288	5499
6/20/2004	127200	0	101031	0	81241	130228	5547
6/21/2004	125900	0	96221	0	81223	129948	5538
6/22/2004	125000	0	83331	0	81220	129931	5530
6/23/2004	123300	0	88403	0	80264	128313	5895
6/24/2004	124800	0	85666	0	80856	129989	6043
6/25/2004	124500	0	95919	0	75764	130065	6038
6/26/2004	124600	0	94279	0	72391	130280	6050
6/27/2004	0	0	0	0	0	0	0
6/28/2004	0	0	30369	0	22264	40009	1878
6/29/2004	0	0	0	0	0	0	0
6/30/2004	0	0	0	0	0	0	0
7/1/2004	0	0	0	0	0	0	0
7/2/2004	0	0	0	0	0	0	0
7/3/2004	0	0	0	0	0	0	0

DATE	CW-8	CW-16	CW-9	CW-12	CW-13	CW-17	CW-15A
7/4/2004	0	0	0	0	0	0	0
7/5/2004	0	0	0	0	0	0	0
7/6/2004	0	0	0	0	0	0	0
7/7/2004	54400	0	41852	0	32307	57174	2021
7/8/2004	125200	0	94277	0	73587	133164	4680
7/9/2004	124900	0	103394	0	73168	137115	4700
7/10/2004	124550	0	86602	0	73009	137214	4713
7/11/2004	124550	0	86602	0	73009	137214	4713
7/12/2004	116800	0	92992	0	72751	136696	4679
7/13/2004	124800	0	85195	0	72584	136583	4725
7/14/2004	124500	0	81223	0	72525	136552	4720
7/15/2004	125400	0	81144	0	72448	136494	4680
7/16/2004	125100	0	82794	0	72448	136576	4634
7/17/2004	125200	0	81847	0	72468	136810	4574
7/18/2004	125500	0	88293	0	72378	136621	4521
7/19/2004	124700	0	84594	0	72274	136350	4570
7/20/2004	124500	0	70112	0	72281	136365	4526
7/21/2004	124300	0	72255	0	72262	136430	4469
7/22/2004	122500	0	88747	0	72169	135921	4408
7/23/2004	124600	0	85442	0	72118	135797	4335
7/24/2004	125100	0	94265	0	72186	136091	4237
7/25/2004	124100	0	97435	0	72187	136133	4108
7/26/2004	123900	0	94060	0	72008	135303	3962
7/27/2004	123100	0	94048	0	72025	132756	3847
7/28/2004	124400	0	91392	0	72016	135872	3731
7/29/2004	123800	0	88917	0	72030	131972	3321
7/30/2004	123800	0	88917	0	72030	131972	3321

DATE	CW-8	CW-16	CW-9	CW-12	CW-13	CW-17	CW-15A
7/31/2004	123500	0	88651	0	72219	127377	3062
8/1/2004	120700	0	76295	0	72178	134747	2858
8/2/2004	123700	0	80191	0	72156	135838	2266
8/3/2004	117000	0	79452	0	68275	128329	55
8/4/2004	121600	0	79243	0	72334	135968	2788
8/5/2004	123800	0	93902	0	72309	135797	3922
8/6/2004	125200	0	93935	0	72319	135779	3814
8/7/2004	124400	0	103873	0	72346	135857	4064
8/8/2004	125600	0	93082	0	72360	135959	2137
8/9/2004	124500	0	89282	0	72352	135945	1264
8/10/2004	123900	0	84364	0	72392	135943	1198
8/11/2004	123800	0	87007	0	72422	135974	71
8/12/2004	118600	0	84908	0	72385	135840	3
8/13/2004	117700	0	98528	0	72369	135864	718
8/14/2004	125900	0	95965	0	72512	136205	0
8/15/2004	124800	0	93256	0	72633	136247	0
8/16/2004	124500	0	92052	0	72636	136122	0
8/17/2004	124200	0	85219	0	72666	136193	0
8/18/2004	123800	0	74739	0	72637	136114	0
8/19/2004	123400	0	70720	0	72588	135979	0
8/20/2004	123200	0	74785	0	72604	136098	0
8/21/2004	123000	0	93712	0	72621	136226	0
8/22/2004	125700	0	82540	0	72471	136064	0
8/23/2004	124600	0	79555	0	72507	136016	0
8/24/2004	123600	0	88405	0	72513	135933	0
8/25/2004	123200	0	78227	0	72480	135887	0
8/26/2004	123500	0	77452	0	72460	135814	0

DATE	CW-8	CW-16	CW-9	CW-12	CW-13	CW-17	CW-15A
8/27/2004	122900	0	69900	0	72463	135866	0
8/28/2004	122500	0	90733	0	72466	136008	0
8/29/2004	122200	0	102638	0	72429	135987	0
8/30/2004	122100	0	101557	0	72411	135875	0
8/31/2004	122400	0	87874	0	72371	135311	0
9/1/2004	123700	0	102905	0	72333	130622	0
9/2/2004	123400	0	105165	0	72279	126010	0
9/3/2004	123500	0	91706	0	68813	123431	3712
9/4/2004	123500	0	104454	0	72088	122046	5951
9/5/2004	123400	0	106256	0	71885	117456	5999
9/6/2004	124000	0	88652	0	71776	114482	5973
9/7/2004	122400	0	82936	0	71731	112073	5945
9/8/2004	88300	0	64542	0	54127	92098	4227
9/9/2004	122000	0	85589	0	71811	134608	5434
9/10/2004	122800	0	90972	0	71804	122687	5315
9/11/2004	123100	0	77301	0	71830	114492	5246
9/12/2004	123000	0	88768	0	71842	110541	4223
9/13/2004	122900	0	86397	0	71812	107831	3333
9/14/2004	122700	0	96330	0	71785	105424	2553
9/15/2004	121300	0	79518	0	69146	104183	1294
9/16/2004	122300	0	70714	0	67783	103593	4499
9/17/2004	121700	0	85342	0	67812	102506	6138
9/18/2004	25900	0	81670	0	67814	130108	8758
9/19/2004	0	0	101264	0	67930	134092	9289
9/20/2004	87600	0	97895	0	68153	134169	9082
9/21/2004	108400	0	73182	0	60773	119463	8998
9/22/2004	124400	0	78459	0	68689	135384	9646

DATE	CW-8	CW-16	CW-9	CW-12	CW-13	CW-17	CW-15A
9/23/2004	123900	0	78429	0	68776	135525	9316
9/24/2004	122800	0	75699	0	68849	135552	9250
9/25/2004	123600	0	69732	0	68880	135788	9337
9/26/2004	123600	0	71151	0	68866	135725	9239
9/27/2004	110700	0	68300	0	61202	121470	7953
9/28/2004	114100	0	74731	0	67808	135110	7884
9/29/2004	116400	0	81383	0	65047	129693	7616
9/30/2004	124200	0	81246	0	67956	135461	8005
10/1/2004	124700	0	74761	0	67933	135405	7873
10/2/2004	123500	0	62010	0	68131	135866	7937
10/3/2004	126100	0	62096	0	68003	135503	7723
10/4/2004	124700	0	57695	0	67896	135272	7678
10/5/2004	125200	0	82319	0	67839	135219	7485
10/6/2004	125600	0	83867	0	67665	134992	7349
10/7/2004	124900	0	89283	0	67569	135056	7537
10/8/2004	123900	0	82505	0	67751	135343	7579
10/9/2004	123700	0	82078	0	67811	135669	7667
10/10/2004	124200	0	79243	0	67745	135532	7624
10/11/2004	124500	0	87334	0	67434	134866	7585
10/12/2004	108900	0	71921	0	24838	121436	7222
10/13/2004	124200	0	93085	0	0	135207	8071
10/14/2004	123900	0	93007	0	0	135453	8228
10/15/2004	123500	0	90627	0	0	135707	8264
10/16/2004	125000	0	92166	0	0	135317	8053
10/17/2004	125000	0	88201	0	0	134989	7988
10/18/2004	124000	0	82352	0	0	134982	5678
10/19/2004	107700	0	82139	0	38571	117692	28

DATE	CW-8	CW-16	CW-9	CW-12	CW-13	CW-17	CW-15A
10/20/2004	123300	0	96871	0	67302	134363	0
10/21/2004	123600	0	96712	0	67214	134473	0
10/22/2004	123700	0	95929	0	67048	134373	0
10/23/2004	124800	0	85449	0	66933	134230	0
10/24/2004	124100	0	88702	0	66862	134255	0
10/25/2004	123000	0	83721	0	66846	134130	0
10/26/2004	123000	0	82185	0	66874	134228	0
10/27/2004	123100	0	86874	0	66840	134126	0
10/28/2004	122900	0	87136	0	65593	131538	54
10/29/2004	122500	0	84295	0	65897	132190	46
10/30/2004	122200	0	89552	0	66924	134574	0
10/31/2004	122200	0	89552	0	66924	134574	0
11/1/2004	122100	0	96376	0	66854	134494	0
11/2/2004	122200	0	79738	0	66854	134470	0
11/3/2004	122300	0	84202	0	66828	134199	0
11/4/2004	124200	0	86432	0	65265	130678	4446
11/5/2004	124000	0	93267	0	66769	134242	6786
11/6/2004	85400	0	63373	0	46386	93039	4679
11/7/2004	122700	0	72290	0	66934	134254	6613
11/8/2004	123400	0	84951	0	66780	133780	6646
11/9/2004	124000	0	67669	0	66406	133201	6721
11/10/2004	124100	0	74963	0	66221	132391	6748
11/11/2004	123200	0	84828	0	66590	127550	6779
11/12/2004	123000	0	75666	0	66350	126145	6782
11/13/2004	124600	0	85465	0	66246	130979	6773
11/14/2004	124600	0	85465	0	66246	130979	6773
11/15/2004	124100	0	89108	0	66134	126957	6743

DATE	CW-8	CW-16	CW-9	CW-12	CW-13	CW-17	CW-15A
11/16/2004	123300	0	86501	0	66313	125310	6742
11/17/2004	122700	0	82205	0	66366	123202	6723
11/18/2004	121700	0	78200	0	66624	120378	6714
11/19/2004	122100	0	82008	0	66615	116975	6694
11/20/2004	122800	0	77514	0	66667	116435	6674
11/21/2004	123200	0	77639	0	66677	115920	6653
11/22/2004	122200	0	90027	0	66473	114897	6610
11/23/2004	65800	0	47041	0	35849	65454	3553
11/24/2004	121700	0	84064	0	66778	130922	6600
11/25/2004	123500	0	74777	0	66820	131230	6587
11/26/2004	125400	0	64498	0	66782	131061	6560
11/27/2004	123700	0	65163	0	66793	125106	6519
11/28/2004	123700	0	65163	0	66793	126051	6519
11/29/2004	124800	0	62528	0	66791	126051	6455
11/30/2004	123500	0	63389	0	66781	124988	6401
12/1/2004	123300	0	63422	0	66768	131312	6367
12/2/2004	41400	0	21179	0	22153	44170	2100
12/3/2004	81500	0	58337	0	44726	88759	4470
12/4/2004	125700	0	86818	0	66448	132258	6577
12/5/2004	123600	0	90539	0	66555	132517	6531
12/6/2004	123200	0	95192	0	66426	132421	6418
12/7/2004	120200	0	95258	0	65679	130962	6277
12/8/2004	84300	0	63780	0	47385	94395	4534
12/9/2004	119300	0	89653	0	65837	131452	6224
12/10/2004	117900	0	91924	0	66605	133332	6194
12/11/2004	123900	0	91778	0	66754	133775	6137
12/12/2004	125500	0	94220	0	66699	133525	6038

DATE	CW-8	CW-16	CW-9	CW-12	CW-13	CW-17	CW-15A
12/13/2004	124200	0	91098	0	66766	133692	6009
12/14/2004	124100	0	90480	0	66943	134119	6014
12/15/2004	125400	0	95844	0	67081	134548	5960
12/16/2004	124400	0	97618	0	67356	135241	5990
12/17/2004	123400	0	97559	0	67290	135100	6009
12/18/2004	125100	0	97761	0	67306	135208	5980
12/19/2004	125600	0	96670	0	67301	135131	5945
12/20/2004	127900	0	97887	0	67231	134850	5903
12/21/2004	124900	0	100299	0	67050	134707	5842
12/22/2004	124200	0	99935	0	67186	134926	5834
12/23/2004	122900	0	99096	0	67225	135009	5828
12/24/2004	125700	0	98838	0	67218	134921	5798
12/25/2004	126200	0	98773	0	67210	134880	5746
12/26/2004	125600	0	98851	0	67222	134868	5706
12/27/2004	125500	0	98823	0	67181	134836	5673
12/28/2004	125100	0	98229	0	67093	134583	5642
12/29/2004	123600	0	96569	0	67017	134567	5622
12/30/2004	75300	0	59494	0	40997	82251	3658
12/31/2004	122700	0	99140	0	67290	134642	6347
Sum	39779100	0	30266839	0	24670075	38060000	1165400
Average	108984	0	82696	0	67405	103989	3184

APPENDIX C

2004 Operation and Maintenance Data Summary

TABLE 1
2004 OPERATION AND MAINTENANCE DATA SUMMARY
Harley-Davidson Motor Company Operations, Inc.

TECHNICIAN	SEP	SEP	SEP	SEP	SEP	SEP	SRL	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SRL	SRL	SRL	SRL	SRL	SRL	SRL
Date	1/9/2004	1/27/2004	2/6/2004	2/20/2004	3/4/2004	3/26/2004	4/2/2004	4/23/2004	5/7/2004	6/3/2004	6/17/2004	7/9/2004	7/22/2004	8/5/2004	8/24/2004	9/10/2004	9/27/2004	10/7/2004	10/22/2004	11/5/2004	11/18/2004	12/6/2004	12/17/2004
PTA INFL. PUMP																							
Full Load = 27 AMPS	16.2	15.83	16.7	17.1	11.82	16.2	16.2	16.94	16.9	16.20	16.97	16.7	16.92	16.82	16.93	17.2	17.35	16.91	17.08	16.2	15.1	16.70	16.72
FLOW RATE gpm	315	311	319	313	245	326	327.9	325	329	339	312	309	316	315	315	300	302	311.0	307	312	282	307	313
PTA BLOWER																							
Full Load = 27 AMP READINGS	14.8	19.52	19.17	19.18	19.88	16.7	17	17.89	17.73	20.1	18.61	18.6	19.89	19.9	19.84	21.6	22.3	22.1	17.68	21.6	20.4	20.7	20.2
PRESSURE inches water	12.9	17.5	17	16.9	16.1	17.5	6	6	5.9	4.5	5	5	4.5	4.9	4.2	2.0	1	3	5	4	4.5	5.5	1.5
TOWER PANEL																							
VISUAL INSPECT	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	OK	OK	OK	OK	OK	OK	OK
WARWICK SECURE	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	OK	OK	OK	OK	OK	OK	OK
TOWER SAMPLING																							
AST EFFLUENT pH	8.1	8.6	8.4	8.2	8.2	8.2	7.8	8.2	8.2	8.2	8.2	8.2	8.3	8.3	NM	8.1	8.2	8.1	8.1	8.1	8.0	8.0	NM
AST INFLUENT pH	7.3	NM	7.4	NM	7.2	7.2	7.1	NM	NM	7.2	NM	7.1	NM	7.17	NM	6.9	7.01	6.9	6.9	7.0	6.9	6.7	8.28
TFO PROPANE TANK																							
PRE-REGULATOR psi	70	60	79	69	100	100	80	105	100	125	NM	150	130	NM	125	170	130	100	175	100	90	75	80
POST-REGULATOR psi	26	25	25	25	26	26	27	27	25	25	NM	24	25	NM	25	25	25	25	80	25	25	23	21.5
TCA WELLS																							
CW-8; Full Load = 14 AMPS	12.7	12.65	NM	12.74	12.62	12.6	12.5	12.6	12.61	NM	12.1	12.71	12.79	12.9	12.59	12.76	12.37	12.38	12.41	12.15	12.31	12.28	12.41
CW-8 FLOW RATE gpm	89.5	89	89	88	87	87	87	87	86.6	86	87	87	87	87	86	86	86.0	88.0	86	86	85.0	86	86.0
CW-8 PRESSURE psi	70	70	NM	NM	68	68	62	62	61	67	60	62	62	60	63	64	68	64	65	64	68	68	63
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
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
CW-8 HIGH LEVEL ALARM	Y	N	N	Y	Y	Y	N	Y	Y	Y	Y	Y	N	Y	Y	N	N	Y	Y	N	N	N	N
WPL WELLS																							
TOTAL FLOW RATE gpm	215	213	215	218	145	229	230	234	230	235	217	222	215	220	215	206	205.1	211	211	211	185	211	210
CW-9; Full Load = 14 AMPS	14.51	14.47	14.54	14.42	14.64	14.43	14.71	14.39	14.54	14.52	14.18	14.06	14.34	10.13	14.36	14.31	14.2	14.39	14.27	12.73	14.39	14.25	14.31
CW-9 FLOW RATE gpm	77.5	77	76	88	80	75.8	77	78.5	74.9	75	70.6	79.7	67.5	64.9	66.5	64.8	54.1	62.5	67.8	64.5	50.4	66.1	66.4
CW-9 PRESSURE psi	20	19	19	18	17	19	20	20	19	20	19	19	20	19	19	19	20	20	20	18	18	19	19
CW-9 CLEAN "Y" STRAINER	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	Y	Y	OK	N	OK	N	N
CW-9 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
CW-13; Full Load = 11 AMPS	10.13	10.14	10.1	10.06	10.35	9.95	7.62	9.89	9.95	10.05	9.74	9.52	9.74	9.81	9.79	9.81	9.72	9.83	9.17	9.74	9.78	9.67	9.69
CW-13 FLOW RATE gpm	64.5	64	64	64	65.8	64	63.5	64	64	65	57.1	51.2	50.5	50.4	50.5	50	48.1	47.4	46.9	46.8	46.5	46.5	47.1
CW-13 PRESSURE psi	14.5	14	14	14	14	14	16	15	15	15	14	13	12	13	13	13	13	13	13	12	26	13	12
CW-13 CLEAN "Y" STRAINER	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	OK	N	OK	N	N
CW-13 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
CW-17; Full Load = 11 AMPS	10.52	10.43	10.49	10.42	OL	11.99	11.96	12.09	12.12	12.09	11.98	11.60	12.42	12.31	12.32	11.92	10.11	12.36	11.73	12.28	11.93	12.21	12.20
CW-17 FLOW RATE gpm	74.5	72	75	72	OL	87	86.1	86.9	87.1	92	92.7	94.9	97	90.4	96	86	96.5	96.5	96.5	96.4	87.4	93.4	95.5
CW-17 PRESSURE psi	14	12	12	13	OL	15	18	16	15	16	16	18	17	18	18	16	9	20	18	17	17	18	18
CW-17 CLEAN "Y" STRAINER	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	OK	N	OK	N	N
CW-17 HIGH LEVEL ALARM?	N	N	N	N	Y	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
CW-15A; Full Load = 3 AMPS	OL	OL	OL	OL	OL	1.56	1.04	1.45	1.51	1.60	1.49	1.31	1.46	1.61	1.57	1.17	1.26	1.31	OL	1.18	1.41	1.41	1.43
CW-15A FLOW RATE gpm	OL	OL	OL	OL	OL	3.1	2	3.8	3.5	4.1	4.2	3.6	3.1	2.9	0	3.5	6.4	5.1	OL	4.5	4.5	4.1	4.0
CW-15A PRESSURE psi	OL	OL	OL	OL	OL	91	94	90	92	90	88	90	89	28	0	88	79	75	OL	86	85	77	74
CW-15A CLEAN "Y" STRAINER	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	Y	Y	OL	N	OK	N	N
CW-15A HIGH LEVEL ALARM?	Y	Y	Y	Y	Y	N	Y	N	N	Y	N	N	N	Y	Y	N	N	N	Y	N	N	N	N
SVE influent pressure inches of water	NA	NA	NA	NA	NA	7	8	7.5	7.5	NM	8.0	11.0	10	9.9	10.4	6	4.5	7	11	6.5	11	10.5	12
AST influent pressure inches of water	NA	NA	NA	NA	NA	NA	NA	NA	6.25	NM	7.75	10.5	9.5	9.9	9.5	5.75	4.0	6.5	10.5	6.5	10.5	10.5	11
GAC influent pressure inches of water	NA	NA	NA	NA	NA	4.5	6	4.5	4	NM	5.25	8.0	7.0	7.0	7.0	0	0	0	8	0	7.75	7.5	8
SVE pitot pressure inches of water	NA	NA	NA	NA	NA	6	0.05	0.05	0.05	NM	0.04	0.04	0.03	0.05	0.04	0.005	0.05	0.05	0.05	0.05	<0.05	0.05	0.05
AST pitot pressure inches of water	NA	NA	NA	NA	NA	0.195	0	0	0	NM	0.15	0.17	0.21	0.23	0.23	0.37	0.50	0.40	0.25	0.4	0.25	0.25	0.25
SVE vacuum inches of water	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	51	54	52	52	52	53	53	59	53	56	47	43

TABLE 1
2004 OPERATION AND MAINTENANCE DATA SUMMARY
Harley-Davidson Motor Company Operations, Inc.

TECHNICIAN		SEP	SEP	SEP	SEP	SEP	SEP	SRL	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SRL	SRL	SRL	SRL	SRL	SRL	SRL
Date		1/9/2004	1/27/2004	2/6/2004	2/20/2004	3/4/2004	3/26/2004	4/2/2004	4/23/2004	5/7/2004	6/3/2004	6/17/2004	7/9/2004	7/22/2004	8/5/2004	8/24/2004	9/10/2004	9/27/2004	10/7/2004	10/22/2004	11/5/2004	11/18/2004	12/6/2004	12/17/2004
NPBA WELLS																								
	VIS. INSP. CONTR. PANEL	Y	NM	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	OK	OK	OK	OK	OK	OK	OK
	WARWICK SECURE	Y	NM	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	OK	Y	Y	Y	OK	Y	OK
	SUMP PUMP AMPS	2..0	NM	1.96	NM	1.94	1.87	1.93	NM	1.36	1.97	1.95	1.87	1.89	1.92	1.84	1.97	1.93	1.96	1.8	2.01	1.95	2.01	1.99
	SUMP PUMP OPR. CHK.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	OK	Y	OK	OK	OK	OK
	MANIFOLD PRESS. psi	broken	broken	broken	broken	3.5	3.25	5.5	0	0	0	0	0	0	0	0	0.0	0	0	0	0.0	0	0.0	0
CW-1; Full Load = 1.1	AMPS	1.16	NM	1.14	1.19	1.1	1.12	1.15	1.13	1.14	1.17	OL	1.20	1.19	1.26	1.31	1.21	1.20	1.20	1.30	1.32	1.28	1.23	1.20
CW-1	FLOW-RATE gpm	1.6	1.6	1.7	1.8	1.8	1.6	1.6	2	2.2	3.0	OL	4.0	2.6	2.4	3.8	3.2	3.2	3.2	2.0	3.0	2.8	3.1	3.2
CW-1	PRESSURE psi	112	NM	110	110	110	118	108	110	97	88	OL	69	98	98	66	70	68	68	10	70	72	42	27
CW-1	CLEAN "Y" STRAINER	Y	N	Y	Y	N	Y	N	Y	Y	Y	OL	Y	Y	Y	Y	Y	OK	OK	Y	Y	OK	OK	OK
CW-1	CLEAN CK. VALVE	N	N	N	N	N	N	N	N	N	N	OL	N	N	N	N	N	OK	OK	OK	OK	OK	OK	OK
CW-1	CLEAN FLOWSENSOR	Y	N	Y	Y	Y	Y	N	Y	Y	Y	OL	Y	Y	Y	Y	Y	OK	OK	OK	OK	OK	OK	OK
CW-1	HIGH LEVEL ALARM?	N	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	N	N	Y	Y	Y	N	Y	N	N
CW-1A; Full Load = 1.1	AMPS	1.12	NM	OL	OL	OL	OL	OL	1.07	0	1.36	1.3	1.20	1.20	0	1.27	1.28	1.3	1.13	1.06	1.24	1.3	1.31	1.38
CW-1A	FLOW-RATE gpm	0.2	0.2	OL	0.2	OL	OL	OL	0.4	0.8	0	0.4	0.5	0.2	0.4	0.0	0.1	OL	3	2.0	2.0	0.5	2.1	1.0
CW-1A	PRESSURE psi	0	NM	OL	0	OL	OL	OL	0	0	0	0	0	0	0	0	0	0	64	0	0	0	0	2
CW-1A	CLEAN "Y" STRAINER	Y	N	N	N	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	OK	OK	Y	OK	OK	OK	OK
CW-1A	CLEAN CK. VALVE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	OK	OK	OK	OK	OK	OK	OK
CW-1A	CLEAN FLOWSENSOR	Y	N	N	N	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	OK	OK	OK	OK	OK	OK	OK
CW-1A	HIGH LEVEL ALARM?	Y	Y	Y	Y	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	Y	Y
CW-2; Full Load = 1.1	AMPS	1.53	NM	0	0	1.04	1.1	1.07	1.09	0	1.20	1.25	1.07	OL	0	1.29	1.19	1.11	1.12	OL	1.37	1.38	1.35	1.37
CW-2	FLOW-RATE gpm	1	0	0	0	1	0.7	2.2	0	0	0	0	OL	0	0	0.0	0	OL	0.3	0	0.5	OL	OL	OL
CW-2	PRESSURE psi	0	NM	0	0	6	79	54	55	0	0	0	18	0	0	0	0	0	7	OL	8	OL	OL	OL
CW-2	CLEAN "Y" STRAINER	Y	N	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	OK	OK	OK	OK	OK	OK	Y
CW-2	CLEAN CK. VALVE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	OK	OK	OK	OK	OK	OK	OK
CW-2	CLEAN FLOWSENSOR	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	OK	OK	Problems	OK	OK	OK	OK
CW-2	HIGH LEVEL ALARM?	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	Y
CW-3; Full Load = 1.1	AMPS	1.18	NM	1.39	1.43	1.14	1.12	1.39	1.39	1.4	1.38	1.44	1.21	1.24	1.38	1.34	1.43	1.49	1.32	1.34	1.19	1.36	1.48	1.25
CW-3	FLOW-RATE gpm	1.4	1.3	1.6	0	4.4	4.5	4.4	4.1	3.4	4.0	5.0	3.2	4.6	4.3	4.0	3.3	4.0	3.8	3.6	2.8	4.2	5.0	5.7
CW-3	PRESSURE psi	0	NM	0	0	7.2	45	50	50	20	67	40	58	12	10	0	14	10	10	10	0	8	45	50
CW-3	CLEAN "Y" STRAINER	Y	N	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	OK	OK	Y	OK	Y	OK	Y
CW-3	CLEAN CK. VALVE	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	OK	OK	OK	OK	OK	OK	OK
CW-3	CLEAN FLOWSENSOR	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	OK	OK	OK	OK	OK	OK	OK
CW-3	HIGH LEVEL ALARM?	Y	Y	Y	Y	N	N	N	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	N	N
CW-4; Full Load = 1.1	AMPS	1.34	NM	1.32	1.12	1.31	1.9	1.3	1.28	1.24	1.33	OL	2.17	1.33	1.27	1.21	1.44	1.40	1.33	1.18	1.35	1.49	1.36	1.36
CW-4	FLOW-RATE gpm	1.6	1.2	0.8	1.4	2.4	2.8	2.6	1.3	3.4	1.8	OL	2	2.6	2.8	0.8	2.4	2.0	1.3	1.2	1.0	2.0	1.0	1.4
CW-4	PRESSURE psi	0	NM	0	0	84	84	86	82	82	107	OL	94	0	0	0	29	5	0	0	60	20	57	21
CW-4	CLEAN "Y" STRAINER	Y	N	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	OK	OK	Y	OK	Y	OK	Y
CW-4	CLEAN CK. VALVE	N	N	N	N	N	N	Y	N	N	N	OL	N	N	N	N	N	OK	OK	OK	OK	OK	OK	OK
CW-4	CLEAN FLOWSENSOR	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	OL	Y	Y	Y	Y	Y	OK	OK	OK	OK	OK	OK	OK
CW-4	HIGH LEVEL ALARM?	Y	Y	Y	Y	N	N	N	N	Y	Y	N	N	N	N	N	N	Y	Y	Y	N	N	Y	N
CW-5; Full Load = 4.9	AMPS	3.57	NM	3.82	3.68	3.74	3.75	3.85	3.85	4.77	5.20	4.79	4.27	OL	4.89	3.99	4.14	3.41	3.55	3.43	3.28	3.21	3.41	3.66
CW-5	FLOW-RATE gpm	1.8	0.8	2.1	2	2	1.5	1.6	1.9	2	1.0	0.8	OL	0	5.3	2.4	2.3	1.6	1.4	1.0	1.0	1.1	1.4	1.1
CW-5	PRESSURE psi	74	NM	74	72	62	66	73	65	66	59	55	80	0	48	63	63	77	67	68	65	60	52	55
CW-5	CLEAN "Y" STRAINER	Y	N	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	OK	OK	Y	OK	Y	OK	OK
CW-5	CLEAN CK. VALVE	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	OK	OK	OK	OK	OK	OK	OK
CW-5	CLEAN FLOWSENSOR	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	N	N	Y	Y	Y	OK	OK	OK	OK	OK	OK	OK
CW-5	HIGH LEVEL ALARM?	Y	N	Y	N	N	N	Y	N	N	Y	N	Y	Y	Y	N	Y	Y	N	N	N	N	N	N
CW-6; Full Load = 1.1	AMPS	1.34	NM	1.14	1.12	1.11	1.1	1.14	1.14	1.14	1.21	1.19	1.15	1.21	1.12	1.21	1.15	1.1	1.16	1.15	1.24	OL	OL	OL
CW-6	FLOW-RATE gpm	2.4	2	2	1.6	1.7	1.5	1.5	2.3	2	4.0	3.7	4.1	2.2	1.8	1.6	1.2	1.3	1.3	1.4	4.7	OL	OL	OL
CW-6	PRESSURE psi	48	NM	42	42	40	44	44	44	0	37	34	40	48	42	54	56	56	58	60	30	OL	OL	OL
CW-6	CLEAN "Y" STRAINER	Y	N	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	OK	OK	Y	OK	OK	OK	OL
CW-6	CLEAN CK. VALVE	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	OK	OK	OK	OK	OK	OK	OL
CW-6	CLEAN FLOWSENSOR	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	OK	OK	OK	OK	OK	OK	OL
CW-6	HIGH LEVEL ALARM?	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	Y
CW-7; Full Load = 1.1	AMPS	1.15	NM	0	0	1.15	1.17	1.12	1.11	1.13	1.17	1.13	1.09	1.20	1.13	1.07	1.50	1.5	1.50	1.44	1.49	1.48	1.48	1.47
CW-7	FLOW-RATE gpm	0.2	0.5	0	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	OL	OL	OL	OL	OL	OL	OL
CW-7	PRESSURE psi	0	NM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	OL	OL	0	OL	OL	OL
CW-7	CLEAN "Y" STRAINER	Y	N	N	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	OK	OK	Y	OK	OK	OK	OK
CW-7	CLEAN CK. VALVE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	OK	OK	OK	OK	OK	OK	OK
CW-7	CLEAN FLOWSENSOR	Y	N	N	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	OK	OK	OK	OK	OK	OK	OK
CW-7	HIGH LEVEL ALARM?	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N
CW-7A; Full Load = 1.1	AMPS	OL	OL	OL	OL	OL	OL	OL	NM	1.56	1.50	1.48	1.45	1.49	0	NM	1.50	1.45	1.45	1.45	1.46	1.31	1.46	1.45
CW-7A	FLOW-RATE gpm	OL	OL	OL	OL	OL	OL	OL	0	24	0.5	0	0.4	0.4	1.3	2.0	1.0	2.3	2.0	1.7	OL	1.0	OL	1.6
CW-7A	PRESSURE psi	OL	OL	OL	OL	OL	OL	OL	0	123	0	0	0	0	0	0	0.0	0	0	0	0	0	OL	0
CW-7A	CLEAN "Y" STRAINER	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	Y	Y	N	Y	OK	OK	Y	OK	OK	OK	OK
CW-7A	CLEAN CK. VALVE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	OK	OK	OK	OK	OK	OK	OK
CW-7A	CLEAN FLOWSENSOR	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	OK	OK	OK	OK	OK	OK	OK
CW-7A	HIGH LEVEL ALARM?	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N

APPENDIX D

Historical Groundwater Sampling Data Summary

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	11/10/1986 W-13123	11/10/1986 W-13123 duplicate	12/18/1986 W-14054	4/15/1987 W-17324	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	6/7/2004 535795	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)															
Cyanide, total	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	**0.200**	**0.200**	**NR**
Detected Volatile Organics (mg/L)															
Acetone	NA	NA	NA	NA	ND	ND	NA	NA	ND	ND	NA	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	NA	ND	ND	NA	NA	ND	ND	NA	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	0.001	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	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	ND	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	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	ND	NA	NA	ND	0.0018	NA	ND	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	ND	ND	ND	ND	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	ND	**0.005**	**0.005**	**0.005**
1,1,2-Trichloro 1,2,2-Trifluoro	NA	NA	NA	0.002	NA	NA	NA	NA	NA	NA	NA	NA			
Tetrachloroethene (PCE)	0.004	0.004	ND	0.002	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	0.019	0.020	0.005	0.007	ND	ND	NA	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	2.070	2.090	0.544	0.993	0.005	0.013	0.003	0.00162	0.0033	0.025	0.0027	0.0035	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	NA	ND	ND	ND	NA	ND	ND	NA	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	10/22/1997 10096203	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	ND	NA	NA	**1**	**1**	**1.3**
Cyanide, total	1.06	1.04	1.5	0.12	1.9	2.8	1.7	1.5	**NR**	**NR**	**0.2**
Cyanide, free	NA	0.012	0.016	0.02	ND	2.8	1.7	1.5	**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	ND	NA	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	NA	NA	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	NA	ND	NA	ND	ND	**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	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	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	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)	0.672	0.800	0.350	0.240	0.150	0.360	0.210	0.250	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	0.003	0.005	0.003	ND	ND	NA	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.405	0.500	0.170	0.100	0.071	0.120	0.068	0.120	**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	NA	NA	ND	NA	ND	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	12/9/1998 298120377001	9/21/1999	3/20/2000	6/21/2001 183596-4	6/14/2002 210005-2	6/4/2003 236799004	6/9/2004 536959		ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)											
Antimony	NA	ND	NA	NA	NA	NA	NA		**0.006**	**0.006**	**0.006**
Arsenic	NA	ND	NA	NA	NA	NA	NA		**0.050**	**0.050**	**0.01**
Beryllium	NA	ND	NA	NA	NA	NA	NA		**0.004**	**0.004**	**0.004**
Cadmium	NA	ND	NA	NA	NA	NA	NA		**0.005**	**0.005**	**0.005**
Chromium, total	NA	ND	NA	NA	NA	NA	NA		**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	ND	NA	NA	NA	NA	NA		**0.100**	**0.100**	**NR**
Copper	NA	0.01	NA	NA	NA	NA	NA		**1**	**1**	**1.3**
Cyanide, total	1.6	2.3	0.0101	3.92	1.47	1.67	1.0		**NR**	**NR**	**0.2**
Cyanide, free	0.2	0.3	0.356	0.852	0.043	0.247	0.22		**0.200**	**0.200**	**NR**
Lead	NA	ND	NA	NA	NA	NA	NA		**0.005**	**0.005**	**0.0015**
Mercury	NA	ND	NA	NA	NA	NA	NA		**0.002**	**0.002**	**0.002**
Nickel	NA	ND	NA	NA	NA	NA	NA		**0.100**	**0.100**	**NR**
Zinc	NA	0.04	NA	NA	NA	NA	NA		**2**	**2**	**NR**
Detected Volatile Organics (mg/L)											
Acetone	ND	ND	NA	ND	ND	ND	NA		**3.7**	**10**	**NR**
Benzene	ND	ND	NA	ND	ND	ND	ND		**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	NA	ND	ND	ND	ND		**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	ND	NA	ND	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	NA	NA	0.0025	0.0012	NA	ND		**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	NA	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	NA	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)	0.180	0.098	0.130	0.169	0.273	0.184	0.085		**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	NA	ND	ND	ND	ND	ND		**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.089	0.057	0.037	0.048	0.090	0.0372	0.021		**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	NA	ND	ND	ND	NA		**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	6/7/2004 535797	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	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	ND	NA	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	ND	NA	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	ND	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	NA	ND	NA	NA	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	ND	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	0.0086	NA	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	ND	ND	ND	NA	NA	**NR**	**NR**	**0.2**
Cyanide, free	NA	0.007	ND	ND	ND	ND	ND	NA	NA	**0.200**	**0.200**	**NR**
Lead	NA	NA	NA	ND	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	ND	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	NA	ND	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	NA	NA	NA	0.039	NA	NA	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)												
Acetone	NA	NA	ND	ND	NA	ND	ND	NA	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	NA	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	ND	NA	NA	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	ND	ND	NA	ND	ND	NA	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	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	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	0.002	ND	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	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	0.001	ND	0.0009 J	0.0017	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	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	0.011	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	0.001	ND	ND	NA	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	0.002	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	0.009	ND	ND	NA	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.001	ND	ND	ND	ND	0.0004 J	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	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	ND	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	0.013	0.040	ND	NA	ND	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	0.0054	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	0.001	ND	ND	ND	0.0012	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	ND	ND	NA	ND	ND	NA	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	6/8/2004 535791	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	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA	ND	ND	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	ND	ND	**0.100**	**0.100**	**NR**
Copper	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA	**NR**	**NR**	**0.2**
Cyanide, free	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA	**0.200**	**0.200**	**NR**
Lead	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA	ND	ND	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA	ND	ND	**0.100**	**0.100**	**NR**
Zinc	NA	NA	0.09	ND	ND	NA	0.028	NA	NA	NA	ND	0.0136	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)															
Acetone	NA	NA	NA	ND	ND	ND	ND	NA	ND	ND	NA	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	ND	ND	ND	ND	NA	ND	ND	ND	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	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	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	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	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	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	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	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	ND	ND	NA	ND	ND	ND	ND	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	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	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.004	0.005	0.018	ND	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	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	ND	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	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.002	0.001	ND	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	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	ND	ND	ND	ND	NA	ND	ND	NA	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	6/9/2004 536961	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	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	ND	NA	ND	ND	ND	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	ND	NA	ND	ND	ND	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	ND	NA	ND	ND	ND	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	ND	NA	ND	0.03	0.067	NA	0.077	0.0635	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	0.1	NA	0.07	0.0548	**0.100**	**0.100**	**NR**
Copper	NA	NA	0.01	NA	ND	ND	ND	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	NA	NA	ND	ND	ND	ND	NA	NA	**NR**	**NR**	**0.2**
Cyanide, free	NA	ND	NA	NA	ND	ND	ND	ND	NA	NA	**0.200**	**0.200**	**NR**
Lead	NA	NA	ND	NA	ND	ND	ND	NA	NA	ND	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	ND	NA	ND	ND	ND	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	ND	NA	ND	ND	ND	NA	ND	0.005	**0.100**	**0.100**	**NR**
Zinc	NA	NA	0.04	NA	ND	ND	ND	NA	ND	0.0118	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)													
Acetone	NA	NA	NA	NA	ND	ND	ND	NA	NA	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	ND	NA	ND	ND	NA	NA	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	NA	ND	ND	ND	NA	NA	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	0.0033	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	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	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	0.0027	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	0.001	ND	ND	ND	ND	0.0716	0.07	0.019	**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	0.12	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	0.0018	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	0.570	NA	NA	0.33	**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	ND	ND	ND	ND	ND	ND	NA	ND	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	0.19	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	0.001	ND	ND	ND	ND	ND	ND	0.0012	ND	**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	0.720	**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	ND	**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	1.5	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	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	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	10/22/1997 10066506	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	0.25	NA	NA	NA	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	ND	NA	NA	NA	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	ND	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	ND	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	ND	NA	NA	NA	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	NA	ND	ND	NA	ND	ND	**NR**	**NR**	**0.2**
Cyanide, free	NA	ND	NA	ND	ND	NA	ND	ND	**0.200**	**0.200**	**NR**
Lead	ND	NA	NA	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	ND	NA	NA	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	ND	NA	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	0.12	NA	NA	NA	NA	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)											
Acetone	NA	NA	NA	NA	ND	NA	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	NA	ND	ND	NA	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	NA	NA	ND	NA	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	NA	ND	NA	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	NA	ND	ND	NA	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	NA	ND	ND	NA	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	NA	ND	ND	NA	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	NA	ND	ND	NA	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	NA	ND	ND	NA	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	NA	ND	ND	NA	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	NA	ND	ND	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	NA	ND	ND	NA	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	NA	ND	ND	NA	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	NA	ND	ND	NA	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.002	ND	NA	ND	ND	NA	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	NA	ND	ND	NA	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	ND	ND	NA	ND	ND	NA	ND	ND	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	0.001	0.025	0.030	0.470	NA	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.034	0.156	0.630	1.3	0.570	0.530	0.370	0.480	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	NA	ND	ND	NA	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	NA	ND	NA	ND	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	12/8/1998 298120377007	9/15/1999	3/27/2000	6/22/2001 183728-3	6/14/2002 210005-1	6/4/2003 236799005	6/9/2004 536228		ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)											
Antimony	NA	ND	NA	NA	NA	NA	NA		**0.006**	**0.006**	**0.006**
Arsenic	NA	ND	NA	NA	NA	NA	NA		**0.050**	**0.050**	**0.01**
Beryllium	NA	ND	NA	NA	NA	NA	NA		**0.004**	**0.004**	**0.004**
Cadmium	NA	ND	NA	NA	NA	NA	NA		**0.005**	**0.005**	**0.005**
Chromium, total	NA	ND	NA	NA	NA	NA	NA		**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	ND	NA	NA	NA	NA	NA		**0.100**	**0.100**	**NR**
Copper	NA	ND	NA	NA	NA	NA	NA		**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	ND	NA	NA		**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	ND	NA	NA		**0.200**	**0.200**	**NR**
Lead	NA	ND	NA	NA	NA	NA	NA		**0.005**	**0.005**	**0.0015**
Mercury	NA	ND	NA	NA	NA	NA	NA		**0.002**	**0.002**	**0.002**
Nickel	NA	ND	NA	NA	NA	NA	NA		**0.100**	**0.100**	**NR**
Zinc	NA	0.04	NA	NA	NA	NA	NA		**2**	**2**	**NR**
Detected Volatile Organics (mg/L)											
Acetone	ND	ND	NA	ND	ND	NA	NA		**3.7**	**10**	**NR**
Benzene	ND	ND	NA	ND	ND	ND	ND		**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	NA	NA	ND	ND	ND	ND		**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	ND	NA	ND	ND	NA	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	0.066	0.150	NA	0.205	0.029	NA	0.036		**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	NA	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	NA	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)	ND	ND	ND	ND	ND	ND	ND		**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	NA	ND	ND	ND	ND	ND		**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.540	0.019	0.537	0.015	0.190	0.214	0.160		**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	NA	ND	ND	NA	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	7/18/1996 8609101	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	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	NA	NA	NA	ND	ND	NA	NA	ND	**NR**	**NR**	**0.2**
Cyanide, free	ND	NA	NA	NA	ND	ND	NA	NA	ND	**0.200**	**0.200**	**NR**
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	NA	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	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	ND	NA	NA	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	NA	NA	NA	NA	NA	NA	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	NA	NA	NA	NA	NA	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	NA	NA	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	ND	NA	NA	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	ND	NA	NA	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	ND	NA	NA	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	NA	NA	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	NA	NA	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	NA	NA	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	ND	NA	NA	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	NA	NA	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	0.003	ND	ND	NA	NA	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	NA	NA	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	NA	NA	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.005	0.018	0.009	0.007	0.005	0.002	NA	NA	ND	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	0.036	0.190	0.032	0.029	0.075	0.024	NA	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	0.300	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	NA	NA	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	NA	NA	NA	NA	NA	ND	**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	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	6/8/2004 535798		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	ND	ND		**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	ND	NA	NA	NA	ND	ND		**0.100**	**0.100**	**NR**
Copper	NA	NA	ND	NA	NA	NA	NA	NA		**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	ND	ND	NA	NA		**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	ND	ND	NA	NA		**0.200**	**0.200**	**NR**
Lead	NA	NA	ND	NA	NA	NA	ND	ND		**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	ND	NA	NA	NA	NA	NA		**0.002**	**0.002**	**0.002**
Nickel	NA	NA	0.0052	NA	NA	NA	ND	0.0044		**0.100**	**0.100**	**NR**
Zinc	NA	NA	0.069	NA	NA	NA	ND	0.0152		**2**	**2**	**NR**
Detected Volatile Organics (mg/L)												
Acetone	ND	ND	ND	NA	ND	ND	NA	NA		**3.7**	**10**	**NR**
Benzene	ND	ND	ND	NA	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	ND	ND	ND	NA	ND	ND	NA	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	ND	ND	ND	ND		**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	NA	NA	ND	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	0.014	0.009	ND	0.06	0.032	NA	0.0062 J		**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	NA	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	NA	ND	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)	0.005	ND	0.011	ND	0.0085	0.0042	0.0024	0.0061		**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	ND	NA	ND	0.0003 J	ND	ND	ND		**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.32	0.11	0.14	0.537	0.448	0.309	0.18	0.21		**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	NA	ND	ND	NA	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	12/10/1998 298120447001	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	ND	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	NA	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	ND	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	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	ND	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	0.004	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	0.010	0.006	0.003	0.002	0.001	0.001	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)	0.003	0.003	0.002	0.002	0.002	0.003	ND	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	ND	0.001	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.254	0.160	0.170	0.140	0.099	0.12	0.07	**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	ND	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	9/14/1999	3/23/2000	6/20/2001 183492-2	6/11/2002 209610-3	6/3/2003 236625001	6/7/2004 535790		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	0.001	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	ND	NA	NA	NA	NA	NA		**0.100**	**0.100**	**0.1**
Chromium, hexavalent	ND	NA	NA	NA	NA	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	NA	NA		**0.005**	**0.005**	**0.0015**
Mercury	ND	NA	NA	NA	NA	NA		**0.002**	**0.002**	**0.002**
Nickel	ND	NA	NA	NA	NA	NA		**0.100**	**0.100**	**NR**
Zinc	ND	NA	NA	NA	NA	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	ND	NA	ND	ND	ND	ND		**0.1**	**0.1**	**NR**
Chloroethane	ND	NA	ND	ND	ND	ND		**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	0.0007 J		**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	NA	0.0011	ND	NA	0.0007 J		**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	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	0.0009 J		**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND		**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.063	0.075	0.072	0.076	0.0798	0.051		**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	NA	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	6/10/2004 536962	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	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	ND	ND	NA	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	ND	ND	NA	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	ND	ND	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	0.031	0.03	NA	NA	NA	ND	ND	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	ND	ND	NA	NA	NA	ND	ND	**0.100**	**0.100**	**NR**
Copper	NA	ND	ND	NA	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	ND	ND	NA	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	ND	ND	NA	NA	**0.200**	**0.200**	**NR**
Lead	NA	ND	ND	NA	NA	NA	ND	ND	**0.005**	**0.005**	**0.0015**
Mercury	NA	ND	ND	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	0.028	0.03	NA	NA	NA	ND	ND	**0.100**	**0.100**	**NR**
Zinc	NA	ND	0.04	NA	NA	NA	ND	0.0093	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)											
Acetone	ND	ND	ND	NA	ND	ND	NA	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	NA	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	NA	NA	NA	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	ND	ND	NA	ND	ND	NA	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	NA	NA	NA	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	NA	NA	NA	ND	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	0.044	ND	ND	0.0558	0.098	0.020	0.0158	0.0089 J	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.160	0.13	0.12	0.153	0.086	0.0360	0.0229	0.020	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	0.0018	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	0.620	0.80	0.77	NA	0.295	0.239	NA	0.240	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	NA	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	NA	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.098	0.096	0.09	0.0858	0.025	0.021	0.0204	0.0059 J	**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)	0.130	0.1	0.093	0.0778	0.032	0.075	0.0644	0.012	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	NA	NA	ND	0.0045	ND	0.0052	0.0052	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	2.40	1.6	1.5	1.20	0.343	0.847	0.292	0.160	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	0.0539	0.892	0.036	0.0511	0.025	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	ND	ND	NA	ND	ND	NA	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	10/21/1997 10092001	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	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	0.015	0.01	0.015	0.005	0.006	NA	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.15	0.19	0.27	0.23	0.12	0.07	0.035	0.036	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.85	0.58	1.40	1.20	0.65	0.26	0.098	0.078	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	0.005	0.01	0.015	0.005	0.012	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	0.015	ND	ND	ND	NA	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	7.30	5.40	11.0	9.50	4.80	0.94	0.64	0.260	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	0.010	ND	ND	NA	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.075	0.015	0.035	0.21	0.15	0.15	0.15	ND	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	0.03	0.045	0.14	0.11	NA	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.355	0.13	0.235	1.0	0.72	0.46	0.93	0.043	**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-32S
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 298120447002	9/29/1999	4/6/2000	6/25/2001 183854-6	6/14/2002 210002-1	6/5/2003 236925004	6/8/2004 535801		ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)											
Antimony	NA	ND	NA	NA	NA	NA	NA		**0.006**	**0.006**	**0.006**
Arsenic	NA	ND	NA	NA	NA	NA	NA		**0.050**	**0.050**	**0.01**
Beryllium	NA	0.0017	NA	NA	NA	NA	NA		**0.004**	**0.004**	**0.004**
Cadmium	NA	0.0014	NA	NA	NA	NA	NA		**0.005**	**0.005**	**0.005**
Chromium, total	NA	0.017	NA	NA	NA	0.016	0.0073		**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	0.02	NA	NA	NA	0.01	ND		**0.100**	**0.100**	**NR**
Copper	NA	0.0057	NA	NA	NA	NA	NA		**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	ND	NA	NA		**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	ND	NA	NA		**0.200**	**0.200**	**NR**
Lead	NA	0.01	NA	NA	NA	ND	ND		**0.005**	**0.005**	**0.0015**
Mercury	NA	ND	NA	NA	NA	NA	NA		**0.002**	**0.002**	**0.002**
Nickel	NA	0.0068	NA	NA	NA	ND	ND		**0.100**	**0.100**	**NR**
Zinc	NA	ND	NA	NA	NA	ND	0.0132		**2**	**2**	**NR**
Detected Volatile Organics (mg/L)											
Acetone	ND	ND	NA	ND	ND	NA	NA		**3.7**	**10**	**NR**
Benzene	ND	ND	NA	ND	ND	ND	ND		**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	NA	NA	ND	ND	ND	ND		**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	ND	NA	ND	ND	NA	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	ND	ND	ND	ND		**0.1**	**0.1**	**NR**
Chloroethane	ND	NA	NA	ND	ND	ND	ND		**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	0.0014	ND	ND	ND		**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.033	0.024	0.0292	0.039	0.126	0.0468	0.020		**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.063	0.032	0.0528	0.044	ND	0.0036	0.031		**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	0.310	0.074	NA	0.124	0.0016	NA	0.084		**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	NA	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	NA	ND	ND	ND	ND		**1**	**1**	**1**
1,1,1-Trichloroethane	0.130	0.32	0.331	0.279	0.0042	0.0069	0.370		**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	0.027	0.047	0.057	ND	ND	0.025		**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	NA	ND	0.0014	ND	ND	ND		**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.0071	0.30	0.58	0.497	0.001	0.0152	0.340		**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	0.014	ND	ND		**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	ND	NA	ND	ND	NA	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	6/8/2004 535794	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	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	NA	ND	ND	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	NA	ND	ND	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	NA	ND	ND	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	NA	NA	NA	0.0094	0.0092	NA	NA	ND	ND	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	0.01	ND	NA	NA	ND	ND	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	NA	ND	ND	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	**0.200**	**0.200**	**NR**
Lead	NA	NA	NA	NA	NA	ND	ND	NA	NA	ND	ND	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	NA	0.053	ND	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	NA	NA	NA	ND	ND	NA	NA	ND	ND	**0.100**	**0.100**	**NR**
Zinc	NA	NA	NA	NA	NA	ND	ND	NA	NA	ND	0.019	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)														
Acetone	NA	NA	NA	NA	NA	ND	ND	NA	ND	NA	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	0.003	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	NA	NA	ND	ND	NA	ND	NA	NA	**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	NA	NA	NA	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	0.014	0.014	0.01	0.009	0.007	ND	ND	0.00186	ND	ND	0.0007 J	**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	0.0006 J	**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	0.0047	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	0.001	0.001	ND	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	0.043	**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	0.004	ND	ND	ND	ND	ND	NA	ND	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	0.0044 J	**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)	0.102	0.028	0.18	0.039	0.066	0.097	0.083	0.118	0.0027	0.0186	0.014	**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	ND	**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	0.150	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0048	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	NA	NA	ND	ND	NA	ND	NA	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	10/21/1997 10092002	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	NA	ND	ND	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	NA	ND	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	ND	NA	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	NA	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	0.006	NA	NA	ND	NA	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	ND	NA	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	NA	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	NA	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	NA	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	0.032	0.006	ND	ND	0.006	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	0.003	ND	ND	0.002	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.002	0.004	ND	ND	0.005	0.006	0.008	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	NA	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	NA	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	NA	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	NA	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.024	0.037	0.04	0.08	0.025	0.022	0.019	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	NA	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.005	0.21	0.63	0.16	0.12	0.15	0.220	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	0.055	0.14	0.06	NA	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.013	0.17	0.49	0.018	0.15	0.24	0.280	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	NA	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	ND	NA	ND	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	12/11/1998 298120447011	9/14/1999	3/24/2000	6/12/2002 209746-2	6/4/2003 236798003	6/8/2004 535793		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	0.0071	NA	NA	ND	ND		**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	ND	NA	NA	ND	ND		**0.100**	**0.100**	**NR**
Copper	NA	ND	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	NA	ND	NA	NA	ND	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	ND	ND		**0.100**	**0.100**	**NR**
Zinc	NA	0.02	NA	NA	ND	0.0106		**2**	**2**	**NR**
Detected Volatile Organics (mg/L)										
Acetone	ND	ND	NA	ND	NA	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	NA	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	ND	ND	0.00151	0.0045	ND	ND		**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	0.00104	ND	ND	0.0008 J		**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.0077	0.001	0.0029	0.0023	ND	0.0012 J		**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	0.052	0.01	NA	0.019	NA	0.012		**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	0.016	0.005	0.00607	0.0034	ND	0.0008 J		**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND		**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.120	0.04	0.114	0.077	0.0055	0.0033		**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	NA	ND	ND	ND	ND		**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.290	0.085	0.125	0.082	0.0095	0.036		**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND		**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	ND	NA	ND	NA	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	6/30/2004	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	ND	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	ND	NA	NA	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	ND	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	0.0076	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	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	ND	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	0.0098	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	0.04	NA	NA	NA	NA	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	0.00116	0.0013	0.001	0.0013	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	0.00193	0.0023	0.0012	0.0021	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.006	0.00475	0.0058	0.0028	0.0057	0.0094 J	**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	0.063	NA	0.051	0.030	NA	0.120	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	NA	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	0.0023	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	NA	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.007	0.00546	0.0045	0.0023	0.0036	0.011 J	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.051	0.0361	0.056	0.021	0.0339	0.014	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.17	0.128	0.190	0.088	0.188	0.320	**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-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	10/20/1997 10087202	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	NA	**0.006**	**0.006**	**0.006**
Arsenic	ND	ND	NA	NA	ND	ND	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	ND	ND	NA	NA	ND	ND	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	ND	ND	NA	NA	ND	ND	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	ND	ND	NA	NA	ND	0.02	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	ND	ND	NA	NA	ND	ND	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	ND	NA	NA	ND	ND	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	ND	ND	NA	NA	ND	ND	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	ND	ND	NA	NA	ND	ND	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	0.02	0.04	NA	NA	ND	ND	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)												
Acetone	NA	NA	NA	NA	ND	ND	NA	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	NA	NA	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	NA	ND	ND	NA	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	0.017	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	0.007	0.005	ND	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	0.028	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.021	0.014	0.004	ND	0.01	ND	0.20	0.23	0.075	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	0.001	0.001	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	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	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	0.760	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	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	1.80	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	NA	0.077	0.08	0.14	ND	NA	NA	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.54	0.16	0.10	0.23	0.28	7.60	6.0	7.50	1.70	**0.005**	**0.005**	**0.005**
Vinyl Chloride	0.005	ND	ND	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	NA	ND	ND	NA	ND	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	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	6/7/2004 535788		ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)												
Antimony	NA	ND	NA	NA	NA	NA	NA	NA		**0.006**	**0.006**	**0.006**
Arsenic	NA	ND	NA	NA	NA	NA	NA	NA		**0.050**	**0.050**	**0.01**
Beryllium	NA	ND	NA	NA	NA	NA	NA	NA		**0.004**	**0.004**	**0.004**
Cadmium	NA	ND	NA	NA	NA	NA	NA	NA		**0.005**	**0.005**	**0.005**
Chromium, total	NA	ND	NA	NA	NA	NA	NA	NA		**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	ND	NA	NA	NA	NA	NA	NA		**0.100**	**0.100**	**NR**
Copper	NA	ND	NA	NA	NA	NA	NA	NA		**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	ND	ND	NA	NA		**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	ND	ND	NA	NA		**0.200**	**0.200**	**NR**
Lead	NA	ND	NA	NA	NA	NA	NA	NA		**0.005**	**0.005**	**0.0015**
Mercury	NA	ND	NA	NA	NA	NA	NA	NA		**0.002**	**0.002**	**0.002**
Nickel	NA	ND	NA	NA	NA	NA	NA	NA		**0.100**	**0.100**	**NR**
Zinc	NA	0.021	NA	NA	NA	NA	NA	NA		**2**	**2**	**NR**
Detected Volatile Organics (mg/L)												
Acetone	ND	ND	NA	NA	ND	ND	NA	NA		**3.7**	**10**	**NR**
Benzene	ND	ND	NA	NA	ND	ND	ND	ND		**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	NA	NA	NA	ND	ND	ND	ND		**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	ND	NA	NA	ND	ND	NA	NA		**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND		**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	NA	NA	NA	ND	ND	ND	ND		**0.1**	**0.1**	**NR**
Chloroethane	ND	NA	NA	NA	0.0029	0.001	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	0.018	ND	0.0217	ND	0.035	0.015	0.011	0.0092 J		**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.042	ND	0.0965	0.0552	0.136	0.043	0.0207	0.030		**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	0.260	ND	NA	NA	0.689	0.259	NA	0.170		**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	NA	NA	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	NA	NA	ND	ND	ND	ND		**1**	**1**	**1**
1,1,1-Trichloroethane	0.460	ND	0.866	0.310	1.22	0.332	0.262	0.220		**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	ND	7.04	11.5	10.50	1.960	1.25	1.60		**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	NA	ND	ND	0.0044	0.0015	ND	ND		**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.760	1.2	2.59	5.06	4.820	1.010	0.485	0.630		**0.005**	**0.005**	**0.005**
Vinyl Chloride	0.017	ND	0.0269	ND	0.033	ND	ND	0.0058 J		**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	ND	NA	NA	ND	ND	NA	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	10/20/1997 10087201	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	NA	**0.006**	**0.006**	**0.006**
Arsenic	0.81	ND	NA	ND	ND	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	0.06	ND	NA	ND	ND	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	44.03	ND	NA	ND	ND	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	0.78	ND	NA	ND	0.02	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	1.49	ND	NA	ND	ND	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	0.025	NA	ND	ND	ND	ND	ND	NA	**NR**	**NR**	**0.2**
Cyanide, free	0.01	NA	ND	ND	ND	ND	ND	NA	**0.200**	**0.200**	**NR**
Lead	0.99	ND	NA	ND	ND	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	0.0024	ND	NA	ND	ND	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	1.3	ND	NA	ND	ND	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	4	0.04	NA	ND	ND	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)											
Acetone	NA	NA	NA	ND	ND	NA	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	0.007	NA	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	ND	ND	NA	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	0.003	ND	0.016	0.08	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	0.004	0.003	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	0.004	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.032	0.033	0.021	0.04	0.08	0.01	0.003	0.007	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.018	0.011	0.03	ND	0.02	0.006	ND	0.003	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	0.002	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	0.023	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	0.002	ND	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	0.074	**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)	3.30	2.40	4.10	2.60	2.70	0.22	0.097	0.280	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	NA	0.58	0.28	0.32	NA	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.64	0.37	0.51	0.28	0.40	0.064	0.02	0.550	**0.005**	**0.005**	**0.005**
Vinyl Chloride	0.023	ND	0.028	ND	ND	ND	ND	0.004	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	ND	ND	NA	ND	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	12/14/1998 298120511001	9/22/1999	4/3/2000	6/25/2001 183854-4	6/12/2002 209745-5	6/3/2003 236625003	6/7/2004 535787		ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)											
Antimony	NA	ND	NA	NA	NA	NA	NA		**0.006**	**0.006**	**0.006**
Arsenic	NA	ND	NA	NA	NA	NA	NA		**0.050**	**0.050**	**0.01**
Beryllium	NA	ND	NA	NA	NA	NA	NA		**0.004**	**0.004**	**0.004**
Cadmium	NA	ND	NA	NA	NA	NA	NA		**0.005**	**0.005**	**0.005**
Chromium, total	NA	ND	NA	NA	NA	NA	NA		**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	ND	NA	NA	NA	NA	NA		**0.100**	**0.100**	**NR**
Copper	NA	ND	NA	NA	NA	NA	NA		**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	ND	NA	NA		**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	ND	NA	NA		**0.200**	**0.200**	**NR**
Lead	NA	ND	NA	NA	NA	NA	NA		**0.005**	**0.005**	**0.0015**
Mercury	NA	ND	NA	NA	NA	NA	NA		**0.002**	**0.002**	**0.002**
Nickel	NA	ND	NA	NA	NA	NA	NA		**0.100**	**0.100**	**NR**
Zinc	NA	ND	NA	NA	NA	NA	NA		**2**	**2**	**NR**
Detected Volatile Organics (mg/L)											
Acetone	ND	ND	NA	ND	ND	NA	NA		**3.7**	**10**	**NR**
Benzene	ND	ND	NA	ND	ND	ND	ND		**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	NA	NA	ND	ND	ND	ND		**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	ND	NA	ND	ND	NA	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	ND	ND	ND	ND		**0.1**	**0.1**	**NR**
Chloroethane	ND	NA	NA	ND	ND	ND	ND		**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	0.0012	0.001	ND		**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.013	0.006	ND	0.0052	0.0048	0.0017	0.003 J		**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.0085	0.004	ND	0.0025	0.0012	ND	0.0012 J		**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	0.160	0.11	NA	0.165	0.121	NA	0.056		**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	NA	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	NA	ND	ND	ND	ND		**1**	**1**	**1**
1,1,1-Trichloroethane	0.280	0.14	0.0963	0.110	0.071	0.0199	0.022		**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)	0.620	0.89	0.680	1.020	1.010	0.117	0.180		**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	NA	ND	0.0013	0.014	ND	ND		**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.190	0.13	0.0944	0.122	0.102	0.0203	0.045		**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	0.0021 J		**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	ND	NA	ND	ND	NA	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	10/20/1997 10087204	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	NA	**0.006**	**0.006**	**0.006**
Arsenic	0.51	ND	NA	ND	ND	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	0.051	ND	NA	ND	ND	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	0.03	ND	NA	ND	ND	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	0.95	ND	NA	ND	ND	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	1.1	ND	NA	ND	ND	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	NA	ND	ND	ND	NA	ND	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	NA	ND	ND	ND	NA	ND	NA	**0.200**	**0.200**	**NR**
Lead	0.77	ND	NA	ND	ND	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	0.0046	ND	NA	ND	ND	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	1.4	ND	NA	ND	ND	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	6.6	0.06	NA	ND	ND	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)											
Acetone	NA	NA	NA	ND	ND	NA	ND	ND	**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	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	ND	ND	ND	ND	ND	NA	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.006	0.004	0.001	ND	0.02	0.05	0.011	0.013	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.002	0.001	0.002	ND	ND	NA	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	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	0.011	0.008	0.022	0.04	0.23	0.22	0.049	0.039	**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)	0.19	0.066	0.004	ND	ND	0.095	0.022	0.013	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	NA	0.31	0.25	0.17	NA	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	1.20	0.53	0.029	0.24	0.36	1.20	0.23	0.220	**0.005**	**0.005**	**0.005**
Vinyl Chloride	0.025	0.019	ND	0.03	ND	NA	ND	0.010	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	ND	ND	NA	ND	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	12/14/1998 298120511004	9/20/1999	3/29/2000	6/19/2001 183330-6	6/12/2002 209745-3	6/3/2003 236625004	6/9/2004 536224		ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)											
Antimony	NA	ND	NA	NA	NA	NA	NA		**0.006**	**0.006**	**0.006**
Arsenic	NA	ND	NA	NA	NA	NA	NA		**0.050**	**0.050**	**0.01**
Beryllium	NA	ND	NA	NA	NA	NA	NA		**0.004**	**0.004**	**0.004**
Cadmium	NA	ND	NA	NA	NA	NA	NA		**0.005**	**0.005**	**0.005**
Chromium, total	NA	0.012	NA	NA	NA	ND	ND		**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	0.0078	NA	NA	NA	ND	ND		**0.100**	**0.100**	**NR**
Copper	NA	ND	NA	NA	NA	NA	NA		**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	ND	NA	NA		**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	ND	NA	NA		**0.200**	**0.200**	**NR**
Lead	NA	0.0054	NA	NA	NA	ND	ND		**0.005**	**0.005**	**0.0015**
Mercury	NA	ND	NA	NA	NA	NA	NA		**0.002**	**0.002**	**0.002**
Nickel	NA	0.011	NA	NA	NA	ND	ND		**0.100**	**0.100**	**NR**
Zinc	NA	0.12	NA	NA	NA	ND	0.0101		**2**	**2**	**NR**
Detected Volatile Organics (mg/L)											
Acetone	ND	ND	NA	ND	ND	NA	NA		**3.7**	**10**	**NR**
Benzene	ND	ND	NA	ND	ND	ND	ND		**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	NA	NA	ND	ND	ND	ND		**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	ND	NA	ND	ND	NA	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	ND	ND	ND	ND		**0.1**	**0.1**	**NR**
Chloroethane	ND	NA	NA	ND	ND	ND	ND		**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	0.0009 J	ND	ND	ND		**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.013	ND	0.00170	0.0028	0.0019	0.002	0.0015 J		**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	0.0014	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	0.240	0.091	NA	0.036	0.014	NA	0.022		**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	NA	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	NA	ND	ND	ND	ND		**1**	**1**	**1**
1,1,1-Trichloroethane	0.016	ND	0.00322	0.004	ND	0.0016	0.0018 J		**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	0.079	0.00197	0.0029	ND	0.0041	0.0076		**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	NA	ND	ND	ND	ND	ND		**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	ND	0.017	0.0357	0.118	0.015	0.0501	0.058		**0.005**	**0.005**	**0.005**
Vinyl Chloride	0.110	ND	ND	0.0009 J	ND	0.0022	ND		**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	ND	NA	ND	ND	NA	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	10/20/1997 10087205	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	NA	**0.006**	**0.006**	**0.006**
Arsenic	0.078	ND	NA	ND	ND	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	ND	ND	NA	ND	ND	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	0.08	ND	NA	ND	ND	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	0.14	ND	NA	ND	ND	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	NA	ND	ND	ND	NA	ND	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	NA	ND	ND	ND	NA	ND	NA	**0.200**	**0.200**	**NR**
Lead	0.2	ND	NA	ND	ND	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	0.006	ND	NA	ND	ND	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	0.13	ND	NA	ND	ND	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	0.69	0.05	NA	ND	ND	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)											
Acetone	NA	NA	NA	ND	ND	NA	ND	ND	**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	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	ND	ND	ND	ND	ND	NA	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	0.001	ND	ND	ND	NA	ND	0.002	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.001	0.002	ND	0.025	ND	NA	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	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	0.007	0.01	0.004	0.05	0.04	NA	0.009	0.001	**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)	0.015	0.02	0.008	0.150	0.08	0.01	0.017	0.003	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	NA	1.70	2.60	2.70	NA	NA	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	2.30	2.40	1.20	3.20	2.70	0.30	0.54	0.110	**0.005**	**0.005**	**0.005**
Vinyl Chloride	0.002	0.003	ND	ND	ND	NA	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	ND	ND	NA	ND	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	12/11/1998 298120447014	9/20/1999	3/30/2000	6/25/2001 183854-2	6/12/2002 209745-8	6/5/2003 236924004	6/10/2004 536964		ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)											
Antimony	NA	ND	NA	NA	NA	NA	NA		**0.006**	**0.006**	**0.006**
Arsenic	NA	ND	NA	NA	NA	NA	NA		**0.050**	**0.050**	**0.01**
Beryllium	NA	ND	NA	NA	NA	NA	NA		**0.004**	**0.004**	**0.004**
Cadmium	NA	ND	NA	NA	NA	NA	NA		**0.005**	**0.005**	**0.005**
Chromium, total	NA	0.012	NA	NA	NA	NA	NA		**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	ND	NA	NA	NA	NA	NA		**0.100**	**0.100**	**NR**
Copper	NA	0.0075	NA	NA	NA	NA	NA		**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	ND	NA	NA		**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	ND	NA	NA		**0.200**	**0.200**	**NR**
Lead	NA	ND	NA	NA	NA	NA	NA		**0.005**	**0.005**	**0.0015**
Mercury	NA	ND	NA	NA	NA	NA	NA		**0.002**	**0.002**	**0.002**
Nickel	NA	0.02	NA	NA	NA	NA	NA		**0.100**	**0.100**	**NR**
Zinc	NA	0.13	NA	NA	NA	NA	NA		**2**	**2**	**NR**
Detected Volatile Organics (mg/L)											
Acetone	ND	ND	NA	ND	ND	NA	NA		**3.7**	**10**	**NR**
Benzene	ND	ND	NA	ND	ND	ND	ND		**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	NA	NA	ND	ND	ND	ND		**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	ND	NA	ND	ND	NA	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	ND	ND	ND	ND		**0.1**	**0.1**	**NR**
Chloroethane	ND	NA	NA	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	0.00147	0.0017	0.0013	ND	ND		**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	0.00259	0.002	0.0019	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	0.092	0.10	NA	0.185	0.129	NA	0.100		**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	NA	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	NA	ND	ND	ND	ND		**1**	**1**	**1**
1,1,1-Trichloroethane	ND	ND	0.00620	0.005	0.0032	0.0018	0.0032 J		**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)	0.0057	0.028	0.118	0.048	0.033	0.0301	0.096		**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	NA	0.00185	0.0038	0.0011	ND	ND		**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.120	0.17	0.732	0.478	0.335	0.193	0.370		**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	NA	ND	ND	NA	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	6/10/2004 536963	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	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	ND	ND	NA	ND	ND	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	ND	ND	NA	ND	0.008	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	ND	ND	NA	ND	ND	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	ND	ND	NA	ND	0.17	NA	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	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	NA	**1**	**1**	**1.3**
Cyanide, total	NA	NA	ND	ND	ND	NA	ND	NA	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	ND	NA	ND	NA	NA	**0.200**	**0.200**	**NR**
Lead	ND	ND	NA	ND	0.24	NA	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	ND	ND	NA	ND	0.0006	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	ND	ND	NA	ND	0.11	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	0.07	0.06	NA	ND	0.77	NA	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)												
Acetone	NA	NA	NA	ND	ND	NA	ND	NA	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	NA	ND	ND	NA	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	ND	ND	NA	ND	NA	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	NA	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	NA	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	0.007	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	0.002	ND	ND	NA	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	0.002	0.005	ND	NA	ND	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	NA	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	0.031	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	NA	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	ND	NA	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.005	0.001	0.009	0.015	ND	0.007	ND	ND	0.0012 J	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	NA	ND	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	0.025	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	NA	4.20	0.32	0.93	NA	NA	ND	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	0.110	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	NA	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	ND	ND	NA	ND	NA	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	6/7/2004 535786	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	NA	**0.006**	**0.006**	**0.006**
Arsenic	0.16	NA	NA	ND	NA	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	0.022	NA	NA	ND	NA	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	ND	NA	NA	ND	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	0.25	NA	NA	ND	NA	NA	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	ND	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	0.37	NA	NA	ND	NA	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	ND	ND	ND	NA	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	ND	ND	ND	NA	NA	**0.200**	**0.200**	**NR**
Lead	0.58	NA	NA	0.0055	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	0.0008	NA	NA	ND	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	0.41	NA	NA	ND	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	1.3	NA	NA	0.025	NA	NA	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)												
Acetone	NA	NA	ND	ND	NA	ND	ND	NA	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	NA	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	ND	ND	NA	NA	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	ND	ND	NA	ND	ND	NA	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	NA	NA	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	NA	NA	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	0.005	0.01	0.0014	0.003	0.0051	0.0018	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	ND	0.00182	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	0.002	ND	0.0025	ND	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	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	0.0019 J	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	NA	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	0.0022	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	NA	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	ND	0.003	ND	0.006	0.00298	0.0041	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	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	ND	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	0.009	NA	ND	NA	ND	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	0.011	**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	ND	ND	NA	ND	ND	NA	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	6/7/2004 535785	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	NA	**0.006**	**0.006**	**0.006**
Arsenic	ND	NA	NA	ND	NA	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	ND	NA	NA	ND	NA	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	ND	NA	NA	ND	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	ND	NA	NA	0.04	NA	NA	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	ND	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	ND	NA	NA	ND	NA	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	ND	ND	ND	NA	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	ND	ND	ND	NA	NA	**0.200**	**0.200**	**NR**
Lead	ND	NA	NA	ND	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	ND	NA	NA	ND	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	ND	NA	NA	0.046	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	0.03	NA	NA	0.038	NA	NA	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)												
Acetone	NA	NA	ND	ND	NA	ND	ND	NA	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	NA	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	ND	ND	NA	NA	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	ND	ND	NA	ND	ND	NA	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	NA	NA	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	NA	NA	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	0.006	ND	ND	ND	ND	0.0002 J	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	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	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	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	ND	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	NA	ND	ND	ND	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	NA	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	ND	0.004	ND	0.007	ND	0.0023	0.0024	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	0.0003 J	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	ND	0.002	ND	0.001	ND	0.0015	0.0021	ND	ND	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	0.003	NA	ND	NA	ND	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	ND	**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	ND	ND	NA	ND	ND	NA	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	6/8/2004 535800	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	ND	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	ND	NA	NA	NA	ND	ND	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	ND	NA	NA	NA	ND	ND	**0.100**	**0.100**	**NR**
Copper	ND	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	ND	**0.005**	**0.005**	**0.0015**
Mercury	ND	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	ND	NA	NA	NA	ND	ND	**0.100**	**0.100**	**NR**
Zinc	0.029	NA	NA	NA	ND	0.0091	**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	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	0.02	NA	0.021	0.013	NA	0.014	**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	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)	0.008	0.00521	0.010	0.0066	0.0067	0.0065	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.38	0.377	0.439	0.301	0.321	0.250	**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-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	6/8/2004 535792	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	ND	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	ND	NA	NA	NA	ND	ND	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	ND	NA	NA	NA	ND	ND	**0.100**	**0.100**	**NR**
Copper	ND	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	ND	**0.005**	**0.005**	**0.0015**
Mercury	ND	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	ND	NA	NA	NA	ND	ND	**0.100**	**0.100**	**NR**
Zinc	0.086	NA	NA	NA	ND	0.0107	**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	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	NA	ND	ND	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	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	0.0015	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.001	ND	ND	ND	ND	0.0005 J	**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-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	6/9/2004 536231	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)									
Antimony	ND	ND	ND	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	ND	ND	ND	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	ND	ND	ND	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	ND	ND	ND	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	2.5	4.0	2.5	NA	2.33	2.04	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	4.4	3.0	NA	1.79	1.96	**0.100**	**0.100**	**NR**
Copper	ND	ND	ND	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	0.031	ND	ND	ND	NA	NA	**NR**	**NR**	**0.2**
Cyanide, free	0.014	ND	ND	ND	NA	NA	**0.200**	**0.200**	**NR**
Lead	ND	ND	ND	NA	ND	ND	**0.005**	**0.005**	**0.0015**
Mercury	ND	ND	ND	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	0.088	ND	ND	NA	ND	0.0047	**0.100**	**0.100**	**NR**
Zinc	0.044	ND	ND	NA	ND	0.0359	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)									
Acetone	NA	NA	ND	NA	NA	NA	**3.7**	**10**	**NR**
Benzene	ND	NA	ND	NA	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	NA	NA	NA	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	ND	NA	NA	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	NA	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	NA	NA	NA	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	NA	NA	NA	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	0.002	NA	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.005	NA	ND	ND	0.005	0.0022 J	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.006	NA	0.009	ND	0.0467	0.026	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	NA	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	0.075	NA	NA	0.047	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	NA	ND	NA	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	NA	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	NA	ND	NA	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.010	NA	ND	ND	0.0361	0.030	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	NA	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.061	NA	0.15	0.108	0.0645	0.110	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	NA	NA	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.028	NA	0.20	0.0297	0.154	0.170	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	NA	ND	ND	0.0024	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	ND	NA	NA	NA	**10**	**10**	**10**

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

MW-50D
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 31032-2	9/28/1999	4/4/2000	4/4/2000	6/9/2004 536227	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)								
Antimony	NA	ND	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	0.01	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	0.00	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	ND	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	0.06	NA	NA	ND	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	ND	NA	NA	ND	**0.100**	**0.100**	**NR**
Copper	NA	0.03	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	0.03	NA	NA	ND	**0.005**	**0.005**	**0.0015**
Mercury	NA	ND	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	0.10	NA	NA	ND	**0.100**	**0.100**	**NR**
Zinc	NA	0.06	NA	NA	0.0159	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)								
Acetone	NA	ND	NA	NA	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	NA	NA	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	NA	NA	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	ND	NA	NA	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	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	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.14	0.14	0.528	0.471	3.7	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.18	0.056	0.199	0.155	1.5	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	0.62	NA	NA	5.8	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	NA	NA	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	NA	NA	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	1.10	0.012	0.0123	0.0106	0.47 J	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.08	0.005	0.0542	0.0352	1.2	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	1.10	NA	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	1.90	0.21	1.45	1.03	18.0	**0.005**	**0.005**	**0.005**
Vinyl Chloride	0.12	ND	0.0188	0.0173	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	ND	NA	NA	NA	**10**	**10**	**10**

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

MW-50S
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 31032-1	9/28/1999	4/6/2000	6/10/2004 536966	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)							
Antimony	NA	ND	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	ND	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	ND	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	ND	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	0.0170	NA	ND	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	ND	NA	ND	**0.100**	**0.100**	**NR**
Copper	NA	0.0069	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	NA	**0.200**	**0.200**	**NR**
Lead	NA	ND	NA	ND	**0.005**	**0.005**	**0.0015**
Mercury	NA	ND	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	0.028	NA	0.0068	**0.100**	**0.100**	**NR**
Zinc	NA	0.027	NA	0.0074	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)							
Acetone	NA	ND	NA	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	NA	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	NA	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	ND	NA	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	NA	NA	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	NA	NA	ND	**0.23**	**0.9**	**NR**
Chloroform	0.003	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.085	0.068	0.0608	0.037	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.210	0.051	0.0489	0.024	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	0.003	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	0.62	NA	0.38	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	NA	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	NA	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.840	0.011	0.0313	0.013 J	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.150	0.014	ND	0.034	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	0.097	NA	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	4.50	0.25	ND	0.52	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	0.01 J	**0.002**	**0.002**	**0.002**
Xylenes (Total)	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	11/1/1991	11/2/1995	7/17/1996	10/21/1997	12/11/1998	9/21/1999	4/6/2000	6/25/2001	6/18/2002	6/6-10/2003	8/3/2004	ACT 2 MSC Used Aquifer TDS ≤ 2,500		EPA
Laboratory ID	31032-4	7829502	8606302	10092004	298120447018			183854-1	210168-2	237022007	552048	Residential	Non-Residential	MCL
Parameter/Units														
Metals/Inorganics (mg/L)														
Antimony	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	NA	NA	NA	ND	NA	NA	NA	ND	ND	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	ND	NA	NA	NA	ND	ND	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	NA	ND	NA	ND	ND	ND	ND	ND	NA	NA	**NR**	**NR**	**0.2**
Cyanide, free	0.018	NA	ND	NA	ND	ND	ND	ND	ND	NA	NA	**0.200**	**0.200**	**NR**
Lead	NA	NA	NA	NA	NA	ND	NA	NA	NA	ND	ND	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	NA	NA	NA	ND	NA	NA	NA	ND	ND	**0.100**	**0.100**	**NR**
Zinc	NA	NA	NA	NA	NA	ND	NA	NA	NA	ND	0.012	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)														
Acetone	NA	NA	ND	ND	ND	ND	NA	ND	ND	NA	NA	**3.7**	**10**	**NR**
Benzene	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	ND	ND	ND	ND	NA	ND	ND	NA	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	NA	ND	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	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	NA	ND	ND	ND	NA	NA	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	NA	ND	ND	ND	ND	ND	ND	0.0015	ND	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	0.059	**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	0.075	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	NA	ND	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	0.900	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	NA	ND	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	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	0.012 J	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	NA	ND	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	0.037	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	1.20	NA	NA	ND	ND	NA	ND	0.044	0.0041	0.0414	0.0072 J	**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	0.730	**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	0.015 J	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	ND	ND	ND	ND	NA	ND	ND	NA	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	8/3/2004 552047	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	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	NA	NA	ND	NA	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	0.701	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	0.45	NA	NA	NA	0.35	0.651	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	NA	NA	ND	NA	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	0.035	**NR**	**NR**	**0.2**
Cyanide, free	NA	0.04	NA	0.01	NA	ND	ND	ND	ND	0.007	0.005	ND	**0.200**	**0.200**	**NR**
Lead	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	ND	ND	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	NA	NA	NA	NA	0.10	NA	NA	NA	0.05	0.0474	**0.100**	**0.100**	**NR**
Zinc	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	ND	0.0236	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)															
Acetone	NA	NA	NA	ND	ND	ND	ND	NA	ND	ND	NA	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	ND	ND	ND	ND	NA	ND	ND	NA	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	NA	ND	ND	ND	0.006	ND	0.0051	0.0031	0.0018	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	NA	ND	ND	ND	NA	NA	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	NA	ND	ND	ND	NA	NA	ND	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	ND	**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	0.039	**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	0.320	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	0.010	ND	NA	ND	ND	ND	ND	ND	0.0024	0.0017	ND	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	1.1	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	NA	ND	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	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	0.280	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	NA	ND	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	0.920	**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	0.0017	**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	2.600	**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	0.072 J	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	ND	ND	ND	ND	NA	ND	ND	NA	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	6/9/2004 536232	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	NA	**0.006**	**0.006**	**0.006**
Arsenic	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	**0.100**	**0.100**	**NR**
Copper	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	NA	ND	NA	ND	ND	ND	ND	ND	NA	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	NA	ND	NA	ND	ND	ND	ND	ND	NA	NA	**0.200**	**0.200**	**NR**
Lead	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	**0.005**	**0.005**	**0.0015**
Mercury	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	**0.100**	**0.100**	**NR**
Zinc	ND	NA	NA	NA	NA	0.03	NA	NA	NA	NA	0.0151	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)														
Acetone	ND	NA	ND	ND	ND	ND	NA	ND	ND	NA	NA	**3.7**	**10**	**NR**
Benzene	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	0.0016 J	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	NA	ND	ND	ND	NA	NA	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	NA	ND	ND	ND	ND	NA	ND	ND	NA	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	NA	ND	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	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	NA	ND	ND	ND	NA	NA	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	0.014	ND	ND	0.011	ND	ND	0.0026	0.019	ND	0.0027 J	**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	0.014	**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	0.120	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	0.100	ND	ND	0.020	ND	ND	0.0027	0.0088	ND	0.0087	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	0.260	0.16	NA	0.165	0.113	NA	0.068	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	NA	ND	ND	ND	ND	ND	ND	0.020	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	NA	ND	ND	ND	ND	NA	ND	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	0.019	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	0.050	ND	ND	0.0066	ND	ND	0.0025	ND	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	0.034	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	NA	NA	ND	ND	NA	ND	0.0019	ND	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	0.300	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	0.0022 J	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	NA	ND	ND	ND	ND	NA	ND	ND	NA	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	6/10/2004 537087	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)													
Antimony	ND	NA	NA	NA	ND	NA	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	ND	NA	NA	NA	ND	NA	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	ND	NA	NA	NA	ND	NA	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	ND	NA	NA	NA	ND	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	ND	NA	NA	NA	0.0094	NA	NA	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	ND	NA	NA	NA	ND	NA	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	NA	ND	ND	ND	ND	ND	ND	NA	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	NA	ND	ND	ND	ND	ND	ND	NA	NA	**0.200**	**0.200**	**NR**
Lead	ND	NA	NA	NA	ND	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	ND	NA	NA	NA	ND	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	ND	NA	NA	NA	0.0078	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	0.03	NA	NA	NA	0.059	NA	NA	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)													
Acetone	NA	ND	ND	ND	ND	NA	ND	ND	NA	NA	**3.7**	**10**	**NR**
Benzene	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	ND	ND	ND	NA	NA	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	ND	ND	ND	ND	NA	ND	ND	NA	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	NA	ND	ND	ND	NA	NA	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	NA	ND	ND	ND	NA	NA	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	NA	ND	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	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	NA	ND	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	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	ND	ND	NA	ND	ND	NA	ND	**0.07**	**0.07**	**0.07**
Ethylbenzene	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	NA	ND	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	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	0.420	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	NA	NA	ND	NA	ND	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	1.40	**0.005**	**0.005**	**0.005**
Vinyl Chloride	NA	ND	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	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	6/10/2004 537088	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	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	NA	ND	ND	NA	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	0.150	ND	ND	NA	ND	NA	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	NA	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	ND	0.00132	ND	NA	ND	**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)	0.390	0.330	0.22	0.0970	0.159	0.0487	0.160	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	ND	NA	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	1.50	0.720	0.50	0.270	0.319	0.177	0.330	**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	NA	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	6/10/2004 537089	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)									
Antimony	0.01	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	ND	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	ND	NA	NA	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	ND	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	ND	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	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	ND	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	ND	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	0.08	NA	NA	NA	NA	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	ND	ND	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.005	ND	0.0012	0.0033	0.0025	0.003	**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	0.024	NA	0.0092	0.077	NA	0.094	**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	0.001	ND	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	0.002	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.002	ND	ND	ND	0.0011	0.0006 J	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.34	0.604	0.041	0.200	0.204	0.096	**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-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	6/9/2004 536226	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	ND	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	ND	NA	NA	NA	ND	ND	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	ND	NA	NA	NA	ND	ND	**0.100**	**0.100**	**NR**
Copper	ND	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	ND	**0.005**	**0.005**	**0.0015**
Mercury	ND	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	0.054	NA	NA	NA	ND	0.0047	**0.100**	**0.100**	**NR**
Zinc	0.13	NA	NA	NA	ND	0.0179	**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	0.006	0.00370	0.0045	0.0018	0.0025	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.015	0.0117	0.0091	0.0048	0.0061	0.0047	**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	0.092	NA	0.194	0.048	NA	0.048	**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	0.023	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.038	0.0166	0.012	0.005	0.0055	0.003 J	**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	0.0147	0.0066	0.015	0.0279	0.013	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.24	0.202	0.082	0.112	0.196	0.140	**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-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	6/9/2004 536225	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	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	ND	NA	NA	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	0.0031	NA	NA	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	0.0013	NA	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	ND	NA	NA	NA	ND	NA	ND	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	ND	NA	NA	NA	ND	NA	ND	**0.100**	**0.100**	**NR**
Copper	0.013	NA	NA	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	NA	NA	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	NA	NA	NA	**0.200**	**0.200**	**NR**
Lead	ND	NA	NA	NA	ND	NA	ND	**0.005**	**0.005**	**0.0015**
Mercury	0.00091	NA	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	0.055	NA	NA	NA	ND	NA	ND	**0.100**	**0.100**	**NR**
Zinc	0.089	NA	NA	NA	ND	NA	0.0092	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)										
Acetone	ND	NA	ND	ND	NA	NA	NA	**3.7**	**10**	**NR**
Benzene	ND	NA	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	NA	ND	ND	NA	NA	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	NA	NA	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	NA	NA	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	0.001	0.00132	0.0013	0.0019	0.0021	0.0027	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.003	0.00196	0.0019	ND	0.002	0.0029	0.0009 J	**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	0.068	NA	0.063	0.138	NA	NA	0.060	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	NA	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	NA	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.011	0.00408	0.0036	0.0016	0.0014	0.0018	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)	0.017	0.00791	0.0086	0.0023	0.017	0.0168	0.0056	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	ND	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	0.077	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	NA	ND	ND	NA	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	6/10/2004 536969	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	ND	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	0.015	NA	NA	NA	0.011	0.0132	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	0.01	NA	NA	NA	ND	0.0133	**0.100**	**0.100**	**NR**
Copper	ND	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	ND	**0.005**	**0.005**	**0.0015**
Mercury	ND	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	ND	NA	NA	NA	ND	ND	**0.100**	**0.100**	**NR**
Zinc	0.26	NA	NA	NA	ND	0.0062	**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	0.0016	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	0.0045	0.020	0.0137	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	0.0397	0.021	0.042	0.050	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	0.22	NA	0.091	7.360	NA	0.470 J	**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	0.27	0.276	0.095	0.218	0.24	1.0 J	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	6.2	10.5	4.78	3.02	5.16	37.0	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	ND	ND	0.0083	0.008	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	3.2	4.66	1.38	1.47	4.78	11.0	**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-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	6/10/2004 536968	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	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	ND	ND	NA	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	ND	ND	NA	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	0.00	ND	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	ND	0.0056	NA	NA	NA	ND	ND	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	ND	ND	NA	NA	NA	ND	ND	**0.100**	**0.100**	**NR**
Copper	0.0082	0.014	NA	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	ND	NA	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	ND	NA	NA	**0.200**	**0.200**	**NR**
Lead	ND	0.0052	NA	NA	NA	ND	ND	**0.005**	**0.005**	**0.0015**
Mercury	ND	ND	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	0.0055	0.0097	NA	NA	NA	ND	ND	**0.100**	**0.100**	**NR**
Zinc	0.15	0.16	NA	NA	NA	ND	0.0087	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)										
Acetone	ND	ND	NA	ND	ND	NA	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	NA	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	NA	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	ND	NA	ND	ND	NA	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	NA	NA	NA	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	NA	NA	NA	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	0.0012	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	0.0208	ND	0.019	0.018	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	0.163	0.233	0.091	0.0701	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	ND	ND	NA	0.743	0.339	NA	0.270 J	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	NA	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	NA	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	1.2	ND	1.62	1.7	0.778	0.511	1.1 J	**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)	30.0	23.0	32.5	31.4	39.9	18.0	35.0	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	NA	ND	ND	ND	0.0011	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	15.0	15.0	13.1	15.1	8.470	4.68	8.3	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	0.0133	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	ND	NA	ND	ND	NA	NA	**10**	**10**	**10**

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

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	6/10/2004 537086	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	ND	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	0.19	NA	NA	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	ND	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	0.015	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	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	ND	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	1.10	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	0.039	NA	NA	NA	NA	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	0.003	ND	0.003	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	0.003	ND	0.003	0.0011	0.0018	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.012	ND	0.012	0.0043	0.007	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.016	0.0366	0.015	0.0042	0.0059	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	0.36	NA	0.345	0.187	NA	0.260	**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	0.003	ND	0.0018	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)	0.083	0.0890	0.153	0.054	0.0532	0.068	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	ND	0.0021	ND	0.0013	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	1.5	0.934	1.22	0.491	0.245	0.820	**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-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	6/10/2004 537085	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	0.0014	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	0.0073	NA	NA	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	ND	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	0.01	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	0.0072	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	0.0071	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	0.036	NA	NA	NA	NA	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	0.002	ND	0.002	ND	0.0026	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	0.002	0.0103	0.0024	0.0014	0.0025	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.034	0.0243	0.028	0.013	0.0391	0.022 J	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.047	ND	0.035	0.019	0.052	0.027 J	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	0.001	ND	0.001	ND	0.001	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	0.86	NA	0.811	0.379	NA	0.660	**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	0.003	ND	ND	ND	0.0013	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)	0.06	0.0863	0.101	0.066	0.113	0.075	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	ND	0.0034	0.0018	0.0098	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	3.3	3.13	3.03	1.35	1.30	2.30	**0.005**	**0.005**	**0.005**
Vinyl Chloride	0.004	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-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	6/7/2004 535796	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	ND	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	ND	NA	NA	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	ND	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	ND	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	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	ND	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	ND	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	0.022	NA	NA	NA	NA	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	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	0.095	NA	0.135	ND	NA	0.016	**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	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)	0.004	0.00340	0.005	ND	0.0021	0.0006 J	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	ND	0.0017	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.096	0.0938	0.107	ND	0.0442	0.0085	**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-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	6/8/2004 535799	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	ND	ND	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	ND	ND	**0.100**	**0.100**	**NR**
Copper	NA	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	NA	NA	NA	NA	ND	ND	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	NA	NA	ND	ND	**0.100**	**0.100**	**NR**
Zinc	NA	NA	NA	NA	ND	0.0143	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)									
Acetone	ND	ND	ND	ND	NA	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	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	ND	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	ND	ND	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	0.001	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	0.137	0.135	0.049	0.171	NA	0.038	**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	0.0013	ND	ND	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	NA	ND	0.0018	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.192	0.194	0.019	0.206	0.0518	0.043	**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	NA	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	6/10/2004 536967	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	ND	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	0.0056	NA	NA	NA	ND	ND	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	ND	NA	NA	NA	ND	ND	**0.100**	**0.100**	**NR**
Copper	0.0068	NA	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	0.011	NA	ND	ND	NA	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	NA	ND	ND	NA	NA	**0.200**	**0.200**	**NR**
Lead	ND	NA	NA	NA	ND	ND	**0.005**	**0.005**	**0.0015**
Mercury	ND	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	0.0069	NA	NA	NA	ND	ND	**0.100**	**0.100**	**NR**
Zinc	0.083	NA	NA	NA	ND	0.0126	**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	0.0045	0.0023	0.0021	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	0.0017	0.0013	0.0011	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.01	ND	0.013	0.0091	0.0092	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.088	0.106	0.106	0.061	0.0479	0.048	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	0.001	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	1.1	NA	0.987	0.467	NA	0.740	**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	0.15	0.132	0.134	0.086	0.063	0.060 J	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	0.0023	0.0019	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.049	0.0368	0.06	0.036	0.0355	0.028	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	ND	0.0061	0.0041	0.0083	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	2.3	2.19	2.84	1.44	0.532	1.800	**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**

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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	6/9/2004 536230	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	ND	ND	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	ND	ND	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	NA	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	NA	NA	**0.200**	**0.200**	**NR**
Lead	NA	NA	ND	ND	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	ND	ND	**0.100**	**0.100**	**NR**
Zinc	NA	NA	ND	0.0203	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)							
Acetone	ND	ND	NA	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	NA	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	0.00560	0.0064	0.0039	0.0073	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	0.00520	0.040	NA	0.056	**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	0.0058	0.0056	0.0064 J	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.0080	0.012	0.0102	0.009	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	0.0011	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.180	0.186	0.180	0.230	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	ND	NA	NA	**10**	**10**	**10**

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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	6/9/2004 536233	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	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	0.108	0.01	0.076	0.025	**NR**	**NR**	**0.2**
Cyanide, free	ND	0.014	ND	0.008	ND	**0.200**	**0.200**	**NR**
Lead	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	NA	NA	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)								
Acetone	ND	ND	ND	NA	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	ND	ND	NA	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	NA	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	NA	ND	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	ND	0.0012	NA	ND	**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)	0.200	0.214	0.443	0.151	0.120	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.069	0.061	0.072	0.0312	0.022	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	ND	ND	NA	NA	**10**	**10**	**10**

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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	6/10/2004 536965	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	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	0.024	0.019	0.019	0.015	**NR**	**NR**	**0.2**
Cyanide, free	ND	0.008	ND	0.006	ND	**0.200**	**0.200**	**NR**
Lead	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	NA	NA	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)								
Acetone	ND	ND	ND	NA	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	ND	ND	NA	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	NA	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	NA	ND	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	0.0024	0.0025	NA	ND	**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)	0.170	0.320	0.168	0.263	0.180	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.140	0.146	0.153	0.110	0.049	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	ND	ND	NA	NA	**10**	**10**	**10**

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NR = Not Reported