

Environmental Operations and Maintenance Management

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#### SITE INVESTIGATION REPORT

P&G BUS SERVICE SITE Milwaukee, Wisconsin

January 10, 2002

O & M Project No. 730 FID # 341002420

#10' 34100 2420 Borts' 02-41-243247

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## SITE INVESTIGATION REPORT

For the

FORMER P&G BUS SERVICE SITE 6815 West Mill Road Milwaukee, Wisconsin 53218

Submitted to:

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and

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Prepared by:

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#### **EXECUTIVE SUMMARY**

O & M, Inc. has completed site investigation activities at the site consisting of four main tasks; delineate documented soil contamination; document current groundwater quality; inventory the debris remaining at the site; determine the status of the water supply well and the septic system; assess the potential for environmental concern with regard to a fuel oil tank, containers of waste oil, possible asbestos containing materials (ACMs), and possible lead based paint; and inspect floor drains.

The conclusions based on this investigation are as follows.

- The site geology is characterized by sand, gravel, and limestone in the top foot, and is suspected to be fill material. Brown silty clay is present to approximately 10 feet below land surface (bls), which is underlain by a gray silty clay with traces of gravel to the maximum boring termination at 20 feet bls.
- Local hydrogeology consists of the following: Depth to groundwater between 15 and 23 feet bls. Groundwater flow is to the east-southeast. Surface water drainage is to the southeast toward the railroad tracks.
- Soil contamination at levels that exceed the NR 746 risk criteria was detected in a sample collected from one of the borings advanced on-site and consists primarily of BETX. Contamination appears to be mainly confined to the vicinity of boring SB-5, advanced by the WDNR in November 1998. Boring SB-5 is in the same location as monitoring well MW-4. In addition, the contamination does not appear to extend much deeper than the 5 foot sample depth. One sample, SB-5/1 collected at 5 feet bls, exceeds the NR 746.06(2) Table 2 direct contact soil contaminant concentrations. The WDNR requires that the direct contact risk be eliminated prior to granting site closure. The area that exceeds the direct contact risk must be capped or remediated.

- BETX groundwater contamination above the NR 140 ESs was present in one well. Groundwater contamination is located in the same area as the soil contamination. The retentive nature of the soils at the site will tend to inhibit contaminant transport; therefore, the potential for contaminant migration is low. The groundwater contamination has been defined in all directions, with the exception of the west. This would be the up/side-gradient direction. A monitoring well should be installed in the area to the west of monitoring well MW-4.
- Much of the debris discussed in previous reports appears to have been removed from the site. There are currently five main areas were debris is located. There is a pile, approximately 10 cubic yards in volume, consisting primarily of asphalt roofing shingles and scrap vinyl building siding. The second area has a truck axel and transmission, and a 275-gallon above ground storage tank (AST), that appears to have been converted into a grill. The third area has approximately 400 old automobile and truck tires, and an automobile gas tank. The forth area has an abandoned, burned out pickup truck. The fifth area is a relatively small area of bottles and rusty cans. In addition, there is a great deal of general debris throughout the former office building. The debris should be removed from the site.
- The water supply well is visible of the east side of the building. The well has not been abandoned. It is likely that the City of Milwaukee will require that the well be abandoned. The septic system appears to have been abandoned. Based on a City of Milwaukee plumbing permit obtained in 1990 and the inspector's sign off on the final inspection, the septic system was sealed in July 1990.
- Several samples were collected to assess various potential environmental liabilities identified in previous reports. The samples collected beneath the fuel oil tank in the basement and beneath areas of surface staining indicate that these areas are not environmental concerns. Building materials that were suspected of containing asbestos were sampled and analyzed. The analysis indicated that the building materials sampled do not contain asbestos. Paint chips were collected from several areas within the building and were analyzed for lead content. The paint was found

to contain lead at concentrations ranging from 4,460 parts per million (ppm) to 62,600 ppm. The State of Wisconsin definition of lead-based paint is paint with a lead concentration greater than 600 ppm. Generally accepted practice regarding building demolition would be to remove loose, pealing lead-based paint prior to demolition. The building materials that have lead-based paint remaining on them are generally disposed of with the rest of the building materials.

The two floor drains in the larger garage were inspected and sampled. Each drain had approximately a 6-inch layer of dark oil floating on the water surface. The water beneath the oil was sampled and analyzed. Several compounds were detected. Water contaminant levels in the water within the sewer were evaluated based on generally acceptable discharge levels to the City of Milwaukee sanitary sewer system. It is O & M, Inc.'s understanding that the two sewers discharge to the City sanitary sewer system. The concentrations within the water are within the acceptable discharge levels, however, the free phase petroleum within the sewer is not acceptable for discharge and should be pumped out and properly disposed.

#### **<u>1.0</u>** INTRODUCTION

This Site Investigation Report (SIR) describes the activities that were conducted during the field study and discusses the results and conclusions associated with the investigation. The purpose of the site investigation was to; delineate documented soil contamination; document current groundwater quality; inventory the debris remaining at the site; determine the status of the water supply well and the septic system; assess the potential for environmental concern with regard to a fuel oil tank, containers of waste oil, possible asbestos containing materials (ACMs), and possible lead based paint; and inspect floor drains. These potential environmental concerns were identified in a Phase I Assessment conducted in 1995 and a Phase II Environmental Site Assessment conducted by the Wisconsin Department of Natural Resources (WDNR) in 1998. The site investigation also provides information needed to design and implement an appropriate response to the contamination. The field investigation was conducted in accordance with the requirements of the WDNR.

#### **<u>2.0</u>** GENERAL SITE INFORMATION

#### 2.1 Site Location

The P&G Bus Service site is located in Milwaukee, Wisconsin. The site is located in the NE¼, NW¼, Sec. 27, T8N, R21E in Milwaukee County (United States Geological Survey [USGS] 1991). Figure 1 presents the site location. The site address is:

6815 W. Mill Road Milwaukee, Wisconsin 53218

#### <u>2.2</u> Site Description

The Site covers approximately 271,000 square feet in area and has an irregular topography, with a depression in the southwest corner. Railroad tracks are located to the southeast of the property. The topography generally slopes toward the southeast. Structures on the Site cover approximately 1,000 square feet. The property is zoned industrial. A chain-link

fence completely surrounds the property. The site surface is primarily vegetative cover. The site plan view is presented on Figure 2.

#### 2.3 Site History

The property was operated as a bus service center from 1987 to approximately 1995. Prior to use as a bus service center, the property was residential.

A site walkover was performed to assess the layout of the site and surrounding area, with particular attention being paid to the locations of private and public utilities. Potential boring locations and off-site access requirements were also evaluated at that time.

During the initial site assessment performed in October, November, and December 1998, 14 surface soil samples and 24 subsurface soil samples were collected from nine borings in areas suspected of being impacted from site uses. Groundwater samples were collected from the four on-site monitoring wells. Results from the laboratory analysis indicated that polynuclear aromatic hydrocarbons (PAHs), metals, and petroleum volatile organic compounds (VOCs) were present at concentrations exceeding the WDNR standards and Guidance. Analysis of the groundwater samples indicated that the only exceedance of the WDNR enforcement standards was benzene, in monitoring well MW-4. Figure 3 presents the soil sampling and monitoring well locations. The laboratory analytical report is provided in Appendix C.

#### 3.0 **REGIONAL AND LOCAL CHARACTERISTICS**

#### 3.1 Regional and Local Geology

The site geology is characterized by sand, gravel, and limestone in the top foot, and is suspected to be fill material. Brown silty clay is present to approximately 10 feet below land surface (bls), which is underlain by a gray silty clay with traces of gravel to the maximum boring termination at 20 feet bls.

#### 3.2 Regional and Local Hydrogeology

Local hydrogeology consists of the following:

- Depth to groundwater between 15 and 23 feet bls.
- Groundwater flow is to the east-southeast.
- Surface water drainage is to the southeast toward the railroad tracks.

#### 3.3 Local Contaminant Pathways and Receptors

The contamination identified on the site appears to be confined to the site and does not appear to intersect any utility trenches or other pathways for hazardous substance migration.

The Wisconsin Geological and Natural History Survey (WGNHS) was contacted regarding the presence of potable wells within a 1,200-foot radius of the site (WGNHS n.d.). The WGNHS records indicate that several potable wells were installed approximately 1,200 feet west of the site in the early 1940s. It is not certain whether the wells are still present. The site's water is supplied by a municipal water supply, however a potable well is present on the site.

There are no wetlands located on or adjacent to the site. To the best of O & M, Inc.'s knowledge, there are no sensitive ecosystems or habitats, no state or federally listed endangered species on or adjacent to the site.

Based on a review of The National Register of Historic Places and The State Register of Historic Places in Wisconsin, there are no historical or archeological sites on or adjacent to the site (State Historical Society of Wisconsin 1994). No outstanding resource waters or exceptional resource waters were identified on or near the site in chapters NR 102.10 or NR 102.11 of the Wisconsin Administrative Code.

#### 4.0 SOIL INVESTIGATION

The purpose of this soil contaminant investigation was to delineate the extent of soil contamination identified by the WDNR during the Phase II Environmental Site Assessment at the P&G Bus Service site. The investigation included the advancement of direct-push borings to obtain soil samples for analysis and classification.

#### 4.1 Field Observations

The October 17, 2001 field activities and resultant observations were as follows.

- In each of the locations identified by the WDNR as areas of potential concern, a boring was advanced and a sample collected beneath the WDNR sample depth to define the vertical extent. In addition, three borings were advanced at locations surrounding each of the locations to define the lateral extent. A total of 20 direct-push borings were advanced to delineate the contamination identified by the WDNR. The locations are presented on Figure 3.
- Two hand auger borings were advanced, one in the basement beneath the AST and one in the small garage beneath an oil stain.
- Twenty-six soil samples were collected and classified as to soil type according to the Unified Soil Classification System. Boring logs and abandonment forms are provided in Appendix B.
- The site geology primarily consists of silty clay with a few sand seams. Bedrock was not encountered during drilling activities.
- Split portions of the 26 soil samples collected were field-screened with a OVA 128 flame ionization detector (FID). FID results ranged from <10 ppmv in 21 of the samples to 139 ppmv. FID results are provided on the boring logs in Appendix B.
- Split portions of the 26 select samples from the direct-push and hand auger borings were submitted to a state-certified laboratory for analysis.

#### 4.2 Laboratory Analytical Results

Twenty-six soil samples were submitted to a state-certified laboratory for diesel range organics (DRO), volatile organic compound (VOC), metals, and/or polynuclear aromatic hydrocarbons (PAHs) analyses. Laboratory quality assurance/quality control (QA/QC) soil

sample criteria were met. Table 1 summarizes the soil analytical results. The laboratory analytical reports and chain-of-custody forms are provided in Appendix C.

#### 4.3 Summary and Discussion

Contaminant levels at the site were evaluated based on the Wisconsin Administrative Code, Chapter NR 720 generic soil standards, WDNR interim guidance, and NR 746 Risk Screening Criteria. Because the site is classified as industrial, the 500 ppm soil standard will be used for lead.

Based on site investigation observations and laboratory analytical results, O & M, Inc. concludes the following.

- Two of the 26 soil samples that were laboratory-analyzed contained benzene, ethylbenzene, toluene, and/or xylenes (BETX) concentrations at levels above the NR 720 generic soil standards. Only one, however, exceeded the NR 746 risk criteria, boring SB-5/1. Neither of the soil samples that were laboratory-analyzed for DRO had concentrations above NR 720 generic soil standards. None of the 22 samples that were laboratory-analyzed for PAHs had concentrations at levels above the WDNR interim guidance. None of the soil samples that were laboratoryanalyzed for arsenic, lead, and/or chromium had concentrations above the NR 720 generic soil standards.
- Soil analytical data indicate soil contamination at the P&G Bus Service site is confined to the area around boring SB-5, which is in the same location as monitoring well MW-4. Soil contamination is found primarily at depths of 4 to 6 feet bls in that area.
- Based on the location of soil contamination, it is unlikely that contamination from off-site sources has migrated to the P&G Bus Service site.
- The lateral and vertical extent of soil contamination exceeding the NR 720 generic soil standards has been defined.
- The WDNR requires that the risk be eliminated prior to granting site closure.

#### 5.0 GROUNDWATER INVESTIGATION

The purpose of this groundwater investigation was to document current groundwater

quality at the site. In addition, groundwater level measurements were taken and current groundwater flow direction and gradient were calculated.

#### 5.1 Field Observations

- On October 18, 2001 water levels were measured.
- Depth to groundwater measurements were used to calculate groundwater table elevations.
- Water level elevations are presented in Table 2.
- Each of the monitoring wells was purged and sampled on October 18, 2001. Groundwater samples collected were submitted to a state-certified laboratory for analysis.

#### 5.2 Laboratory Analytical Results

Four groundwater samples were submitted to a state-certified laboratory for PAHs, PVOCs, and dissolved lead analyses. A summary of groundwater analytical results is presented in Table 3. The groundwater sample laboratory analytical reports and chain of custody forms are provided in Appendix C.

#### 5.3 Groundwater Flow Characterization

To characterize groundwater flow, groundwater elevations were measured, a hydraulic gradient was calculated, and a groundwater flow velocity was estimated. As evidenced by the data, groundwater elevations are fairly uniform across the site and groundwater flow is to the southeast. Using the data from the October 18, 2001 measurements, the hydraulic gradient (i) has been calculated as shown below:

i = Hydraulic gradient = Change in groundwater elevation (111.54 – 107.16) Distance (560 feet)

i = dh = 4.38 ft = 0.008 ft/ftd1 560 ft

Based on site soil characteristics, a hydraulic conductivity of  $1 \times 10^{-5}$  cm/sec has been

estimated (Freeze and Cherry 1979). Using the hydraulic conductivity, an assumed effective porosity of 0.35 (Freeze and Cherry 1979), and the measured hydraulic gradient (0.008 ft/ft), the on-site groundwater velocity may be estimated as follows (Freeze and Cherry 1979):

$$V = K(i)(1/n)$$

•  $K = Average hydraulic conductivity = 1 \times 10^{-5} cm/sec = 0.43 cm/day$ 

 $\cdot$  n = Porosity = 0.35

i = Hydraulic gradient = 0.008 ft/ft

V = (0.43) (0.008) (1/0.35)V = 0.01 cm/day = 3.65 cm/year

The groundwater average linear flow velocity represents the maximum rate at which advection could transport the contaminants. However, the actual contaminant transport velocity would probably be less because of factors such as soil characteristics, contaminant solubility, hydrodynamic flow characteristics, and biotic and abiotic mechanisms.

#### 5.4 Summary and Discussion

The WDNR uses the risk criteria in NR 746.06 (2) to determine if remediation will be required or if a site is eligible for closure with no further action.

Based on site investigation observations and laboratory analytical results, the following conclusions were reached.

- Of the four groundwater samples collected at the site, only one sample, MW-4, had a contaminant concentration above the NR 140 ES for benzene. No other contaminants exceeded the ES. In addition, the benzene concentration in MW-4 was approximately 8 times less in October 2001 than it was in December 1998. Natural attenuation appears to be effectively reducing the contaminant mass and concentration.
- The groundwater contamination appears to be contained within low permeability material.
- The extent of groundwater contamination has not been defined in the up/sidegradient direction at the P&G site. Figure 4 presents the monitoring well locations and groundwater benzene distribution at the site.
- Based on the soil concentrations and the significant reduction in groundwater contamination in MW-4 since 1998, contaminant leaching from the soil to the groundwater is not significant. No other additional sources of contamination to the soil or groundwater appear to remain at the site.
- Upon completing the definition of the groundwater contamination, the Risk Criteria For Screening Sites, outlined in NR 746.06, support a recommendation that no remedial action be required.

#### 6.0 DEBRIS ASSESSMENT

The purpose of the debris assessment was to document debris remaining on the site that will require removal and disposal, and to assess the potential for environmental concerns related to the debris.

#### 6.1 Field Observations

Much of the debris discussed in previous reports appears to have been removed from the site. There are currently five main areas were debris is located. There is a pile, approximately 10 cubic yards in volume, consisting primarily of asphalt roofing shingles and scrap vinyl building siding. The second area has a truck axel and transmission, and a 275-gallon above ground storage tank (AST), that appears to have been converted into a grill. The third area has approximately 400 old automobile and truck tires, and an automobile gas tank. The forth area has an abandoned, burned out pickup truck. The fifth area is a relatively small area of bottles and rusty cans. The locations of the various debris

areas are presented on Figure 5. In addition, there is a great deal of general debris throughout the former office building.

#### 6.2 Summary and Discussion

Based on the type of debris and soil sampling conducted at the site, the debris noted above does not appear to be acting as a source of contaminants. However, the debris should be removed from the site.

#### 7.0 WELL AND SEPTIC TANK STATUS

The purpose of the well and septic tank status assessment was to document whether the well and septic tank have been properly abandoned.

#### 7.1 Field Observations

The well was observed in the grassy area on the east side of the building. The top was removed from the well and a water level indicator lowered. The pump wiring remained in the well casing and the well casing was open at least to the water table surface, which was detected at approximately 12 feet bls.

No indication of the septic tank was observed during the site walk. Subsequently, building permits at the City of Milwaukee were reviewed. A building permit was located that stated "Septic Sealed" and was signed by the building inspector that he had inspected the work. The final inspection of the septic tank sealing was dated July 20, 1990. A copy of the permit is included in Appendix D.

#### 7.2 Summary and Discussion

The potable well reportedly located at the site is still present and has not been abandoned. The City of Milwaukee will likely require that the well be properly abandoned.

The septic tank was reportedly abandoned in place by cleaning the tank and filling it with a foam material. No additional action should be required regarding the septic tank. Although no sampling was performed by O & M, Inc., the tank is not expected to pose an

environmental concern.

#### 8.0 POTENTIAL ENVIRONMENTAL LIABILITIES

The purpose of the potential environmental liabilities assessment was to assess the condition of materials identified as potential concerns in the 1995 Phase I report. The potential concerns include a fuel oil tank, containers and spills of petroleum products, fluorescent light ballasts, possible asbestos containing materials (ACMs), and possible lead based paint.

#### 8.1 Field Observations

The fuel oil tank was an AST located in the basement. A dirt floor was present beneath the AST. No staining or other evidence of leakage was observed. A soil sample was collected from the surface soil beneath the AST to determine if the environment had been adversely affected.

Several stains were noted, including those associated with various containers. The stains observed were on the concrete floor in the small garage and not on the soil. The concrete in the small garage was cracked, creating a possible pathway for the oil to migrate to the soil. A soil sample was collected from beneath the concrete crack in the small garage.

Fluorescent light ballasts were inspected for leakage of material that could potentially contain PCBs. No leakage was observed.

Floor tiles, ceiling tiles, and wallboard material were sampled to determine whether they contain asbestos. A total of 11 were collected throughout the building.

A total of four paint samples were collected from different areas of the building. Much of the paint was flaking and pealing.

#### 8.2 Laboratory Analytical Results

The analyses performed on the soil sample collected below the AST indicated that DRO was present at 22.9 mg/kg and benzo(a)pyrene was present at 16.8 ug/kg. The analyses

performed on the soil sample collected below the concrete in the small garage indicated that DRO was present at 6.24 mg/kg, benzo(a)pyrene at 14.1 ug/kg, and dibenz(ah)anthracene at 16.4 ug/kg. The results of the soil sampling are presented in Table 1. Asbestos was not detected in any of the building material samples that were collected and analyzed. Lead concentrations in the paint samples ranged from 4,460 parts per million (ppm) to 62,600 ppm. The results of the asbestos and lead analyses are presented in Table 4.

#### **<u>8.3</u>** Summary and Discussion

Soil contaminant levels at the site were evaluated based on the Wisconsin Administrative Code, Chapter NR 720 generic soil standards and WDNR interim guidance. Neither of the soil samples had DRO concentrations above NR 720 generic soil standards or PAH concentrations at levels above the WDNR interim guidance.

Asbestos was not detected in any of the building material samples that were suspected of containing asbestos.

Lead concentrations detected in the paint samples were evaluated based on the State of Wisconsin definition of lead-based paint. By that definition, the paint within the on-site building is lead-based paint.

#### 9.0 FLOOR DRAIN ASSESSMENT

The purpose of the floor drain assessment was to assess the presence of contaminants in the floor drains.

#### 9.1 Field Observations

The two drains that were assessed are in the large garage on the southwest side of the building. The manhole covers were removed and a sampling tool was lowered into the liquid. Both drains had approximately 6 inches of free phase dark oil at the surface. The water beneath the oil was sampled and laboratory analyzed for VOCs and PAHs.

#### 9.2 Laboratory Analytical Results

The analyses performed on the water samples collected from the drains indicated that various VOCs and PAHs were present. The results are presented in Table 3.

#### 9.3 Summary and Discussion

Contaminant levels in the water within the drains were evaluated based on generally acceptable discharge levels to the City of Milwaukee sanitary sewer system. It is O & M, Inc.'s understanding that the two drains discharge to the City sanitary sewer system. The concentrations within the water are within the acceptable discharge levels, however, the free phase petroleum within the sewer is not acceptable for discharge. Drains of this type generally discharge from the bottom. Therefore, the oil would collect at the top and the water beneath would discharge to the sanitary sewer system.

#### **10.0 CONCLUSIONS AND RECOMMENDATIONS**

The conclusions reached based on the site investigation are as follows.

- The site geology is characterized by sand, gravel, and limestone in the top foot, and is suspected to be fill material. Brown silty clay is present to approximately 10 feet bls, which is underlain by a gray silty clay with traces of gravel to the maximum boring termination at 20 feet bls.
- Local hydrogeology consists of the following:
  - Depth to groundwater is between 15 and 23 feet bls.
  - Groundwater flow is to the east-southeast.
  - Surface water drainage is to the southeast toward the railroad tracks.
- Soil contamination at levels that exceed the NR 746 risk criteria was detected in a sample collected from one of the borings advanced on-site and consists primarily of BETX. Contamination appears to be mainly confined to the vicinity of boring SB-5, advanced by the WDNR in November 1998. Boring SB-5 is in the same location as monitoring well MW-4. In addition, the contamination does not appear to extend much deeper than the 5 foot sample depth. One sample, SB-5/1 collected at 5 feet bls, exceeds the NR 746.06(2) Table 2 direct contact soil contaminant

concentrations. The WDNR requires that the direct contact risk be eliminated prior to granting site closure. The area that exceeds the direct contact risk must be capped or remediated.

BETX groundwater contamination above the NR 140 ESs was present in one well. Groundwater contamination is located in the same area as the soil contamination. The retentive nature of the soils at the site will tend to inhibit contaminant transport; therefore, the potential for contaminant migration is low. The groundwater contamination has been defined in all directions, with the exception of the west. This would be the up/side-gradient direction. A monitoring well should be installed in the area to the west of monitoring well MW-4.

Much of the debris discussed in previous reports appears to have been removed from the site. There are currently five main areas were debris is located. There is a pile, approximately 10 cubic yards in volume, consisting primarily of asphalt roofing shingles and scrap vinyl building siding. The second area has a truck axel and transmission, and a 275-gallon above ground storage tank (AST) that appears to have been converted into a grill. The third area has approximately 400 old automobile and truck tires, and an automobile gas tank. The forth area has an abandoned, burned out pickup truck. The fifth area is a relatively small area of bottles and rusty cans. In addition, there is a great deal of general debris throughout the former office building. The debris should be removed from the site.

The water supply well is visible of the east side of the building. The well has not been abandoned. It is likely that the City of Milwaukee will require that the well be abandoned. The septic system appears to have been abandoned. Based on a City of Milwaukee plumbing permit obtained in 1990 and the inspector's sign off on the final inspection, the septic system was sealed in July 1990.

Several samples were collected to assess various potential environmental liabilities identified in previous reports. The samples collected beneath the fuel oil tank in the basement and beneath areas of surface staining indicate that these areas are not environmental concerns. Building materials that were suspected of containing asbestos were sampled and analyzed. The analysis indicated that the building

materials sampled do not contain asbestos. Paint chips were collected from several areas within the building and were analyzed for lead content. The paint was found to contain lead at concentrations ranging from 4,460 parts per million (ppm) to 62,600 ppm. The State of Wisconsin definition of lead-based paint is paint with a lead concentration greater than 600 ppm. Generally accepted practice regarding building demolition would be to remove loose, pealing lead-based paint prior to demolition. The building materials that have lead-based paint remaining on them are generally disposed of with the rest of the building materials.

The two floor drains in the larger garage were inspected and sampled. Each drain had approximately a 6-inch layer of dark oil floating on the water surface. The water beneath the oil was sampled and analyzed. Several compounds were detected. Water contaminant levels in the water within the sewer were evaluated based on generally acceptable discharge levels to the City of Milwaukee sanitary sewer system. It is O & M, Inc.'s understanding that the two sewers discharge to the City sanitary sewer system. The concentrations within the water are within the acceptable discharge levels, however, the free phase petroleum within the sewer is not acceptable for discharge and should be pumped out and properly disposed.

#### **11.0 CONDITIONS AND CERTIFICATIONS**

This Site Investigation Report has been prepared, in part, as an underground exploration evaluation for the P&G Bus Service site. The evaluations and recommendations presented in this report were developed from a consideration of the project characteristics and an interpretation of available geologic, hydrogeologic, and boring data. O & M, Inc's description of the subsurface conditions is based on interpretation of the test boring and monitoring well data using normally accepted geologic/hydrogeologic practices and reasonable engineering judgment. Although boring and monitoring well data are considered to be representative of the subsurface conditions at the precise locations on the dates shown, they are not necessarily indicative of the subsurface conditions at other locations and/or at other times of the year.

Hydrogeologic representations and estimates of contaminant distributions are approximate. They were generalized from and interpolated between the sampling locations. Information about actual hydrogeologic conditions and chemical concentrations exists only at the specific sampling locations, and it is possible that conditions between sampling locations may vary from those indicated. Variations in soil and groundwater conditions typically exist at most sites between sampling locations and at different times, the extent of which may not become evident without further exploration or excavation. It may be necessary to conduct additional exploration activities to determine the characteristics of these variations and provide an opportunity to make a re-evaluation of the conclusions in this report.

The recommendations and conclusions presented herein have been developed from consideration of the project characteristics and interpretation of available information.

This Site Investigation Report was prepared by O & M, Inc.

I, Eric Frauen, hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03(1), Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm.

Eric T. Frauen, P.G. Senior Hydrogeologist Report Preparer

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Groundwater Elevations

Groundwater Analytical Results

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## TABLE 1 P&G Bus Service 6815 W. Mill Road Soil Analytical Results October 17, 2001

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Monitoring Well	Benzene	Toluene	Ethylbenzene	Xylene	MTBE	1,2,4-TMB	1,3,5-TMB	DRO	Arsenic	Chromium	Lead	Acenaphthen	Anthracene	Benz(a)anthracene	Benzo(a)pyrer	elBenzo(b)fluoranthene	Benzo(ghi)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(ah)anthracene	Fluoranthene	Indeno(1,2,3-cd)pyrene	e [1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene
Residual Contaminant Lev	rel 5.5	1500	2900	4100	NS	NS	NS	NS	1.6	200	500	38,000	3,000,000	3,900	390	3,900	39,000	39,000	37,000	390	500,000	3,900	23,000	20,000	400	1,800	8,700,000
Units	ug/kg	ug/kg	ug/kg	Ug/kĝ	Ug/ikg	ug/kg	ug/kg	mg/kg	mg/kg	mg/kg	mg/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	nð\kc	Ug/kg	ug/kg
SB5/1 5'	2630	6890	3000	8690	179	7210	2490	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	134	209	NA	NA	NA
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SS-14/4 1'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND	ND	ND	ND	ND
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Note: ND - Not detected NA - Not analyzed TMB - trimethylbenzene DRO - diesel range organics

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### TABLE 2 P&G Bus Service 6815 W. Mill Road Groundwater Elevations October 18, 2001

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	TOC	TOC-H2O	Groundwater Elevation
MW-1	117.97	6.43	111.54
MW-2	122.61	13.74	108.87
MW-3	120.60	13.44	107.16
MW-4	119.70	9.57	110.13

#### TABLE 3

#### P&G Bus Service 6815 W. Mill Road Groundwater Analytical Results October 18, 2001

Monitoring Well			MW-1	MW-1	MW-2	MW-2	MW-3	MW-3	MW-4	MW-4	Sewer East	Sewer West
	Enforcement										1	
	Standard	Units	10/18/01	12/8/98	10/18/01	12/8/98	10/18/01	12/8/98	10/18/01	12/8/98	10/18/01	10/18/01
Benzene	5	ug/L	ND	ND	ND	ND	ND	- ND	32.1	249	21.3	5.8
Toluene	1,000	ug/L	ND	ND	I ND	I ND	1ND	ND	39.9	62	77.5	ND
Ethylbenzene	700	ug/L	ND	ND	ND	ND	ND	ND	1.71	82	17.9	ND
Xylenes	10,000	ug/L	I ND	ND	ND	ND	ND	ND	3.6	63	96.9	14
MTBE	60	ug/L	ND	ND	ND	ND	ND	ND	2.57	ND	I ND	I ND
1.2.4-TMB	480	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	124	ND
<u> </u>	480	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	24.3	16.5
n-Butylbenzene	NS	ug/L	NA	ND	NA	ND	NA	ND	NA	ND	73.1	9.09
sec-Butylbenzene	NS	ug/L	NA	ND	NA	ND	NA	ND	NA	ND	18.8	6.13
Chloroethane	400	ug/L	NA	<u>ND</u>	NA	ND	NA	ND	NA NA	ND	ND	5.92
1,1-Dichloroethane	850	ug/L	NA	ND	NA	ND	NA	ND	NA	ND	ND	473
p-lsopropyltoluene	NS NS	ug/L	l NA	ND	NA NA	ND ND	NA	ND	NA NA	I ND	6.32	6.75
1.1.1-Trichloroethane	200	ug/L	NA	ND	NA	ND	NA	ND	NA	ND	ND	117
<u>n-Propvlbenzene</u>	NS	ug/L	NA	ND	NA	ND	NA	ND	NA	ND	9.63	ND
Lead	15	ug/L	ND	ND	ND	ND	ND	ND	ND	> PAL	NA	NA
Acenaphthene	NS	ug/L	NA	ND	NA	ND	NA	ND	NA	ND	55.5	ND
Acenaphthylene	NS	ug/L	NA	ND	NA	ND	NA	ND	NA	ND	402	21.7
Anthracene	3,000	ug/L	NA	ND	NA	ND	NA	ND	NA	ND	ND	ND
Benz(a)anthracene	NS	ug/L	NA	ND	NA	ND	NA	ND	NA	ND	22.1	0.826
Benzo(a)pvrene	0.2	ug/L	NA	ND	NA	ND	NA	ND.	NA NA	ND	9.54	0.138
Benzo(b)fluoranthene	0.2	ug/L	NA	ND	NA	ND	NA	ND	NA	ND	15.8	0.357
Benzo(ghi)pervlene	NS	ug/L	NA	ND	NA	ND	NA	ND	NA	ND	ND	ND
Benzo(k)fluoranthene	NS	ug/L	NA	ND	NA	ND	NA	ND	NA	ND	2.53	ND
Chrysene	0.2	ug/L	NA	ND	NA	ND	NA	ND	NA	ND	73.1	2.21
Dibenz(ah)anthracene	NS	ug/L	NA	ND	NA	ND	NA -	ND	NA NA	ND ND	1.12	ND
Fluoranthene	400	ug/L	NA	ND	NA	ND	NA	ND	NA	ND	464	11.2
Fluorene	400	ug/L	NA	ND	NA	ND	NA	ND	NA	ND	360	9.53
Indeno(1,2,3-cd)pyrene	NS	ug/L	NA	ND	NA	ND	NA	ND	NA	ND	11.7	ND
1-Methylnaphthalene	NS	ug/L	NA	ND	NA	ND	NA	ND	NA	ND	6080	196
2-Methylnaphthalene	NS	ug/L	NA	ND	NA	ND	NA	ND	NA	2	3330	126
Naphthalene	40	ug/L	NA	ND	NA	ND	NA	ND	NA	> PAL	ND	243
Phenanthrene	NS	ug/L	NA	ND	NA	ND	NA	ND	j NA	ND <sup>2</sup>	1330	32.5
Pyrene	250	ug/L	NA	ND	i NA	ND	NA	ND	NA	ND	4870	ND

Note:

ND - Not detected

NA - Not analyzed

NS - No standard currently exists in NR 140 TMB - trimethylbenzene

ES - NR 140 Enforcement Standard

PAL - NR 140 Preventive Action Limit

Only detected parameters are presented on this Table. Bold indicates an exceedance of the NR 140 Enforcement Standard.

# Table 4Former P&G Bus Service - Milwaukee, WisconsinBuilding Material Analytical Results

Monitoring Well	Date	Lead	Asbestos
Enforcement Standard			
Units		ppm	%
East Porch	11/20/2001	NA	ND
North Porch	11/20/2001	NA	<1
Bathroom	11/20/2001	NA	ND
Garage Ceiling	11/9/2001	NA	ND
Garage Wall	11/9/2001	NA	ND
Ceiling Tile 6	11/9/2001	NA	ND
Wall Board 6	11/9/2001	NA	ND
Ceiling Tile 7	11/9/2001	NA	ND
Dry Wall 7	11/9/2001	NA	ND
Ceiling Tile Kitchen	11/9/2001	NA	ND
Ceiling Tile Front Porch	11/9/2001	NA	ND
Paint 8	11/9/2001	6,280	NA
Paint Stairway	11/9/2001	62,600	NA
Paint Front Porch	11/9/2001	4,460	NA
Paint Kitchen	11/9/2001	6,520	NA

Note:

ppm - parts per million

NA - Not analyzed

ND - Not detected

## LIST OF APPENDICES

APPENDIX A	Involved Parties	
APPENDIX B	WDNR Soil Boring Log WDNR Borehole Aban	gs donment Forms
APPENDIX C	Analytical Reports	
APPENDIX D	Documentation	

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## **APPENDIX A**

## **Involved Parties**

## INVOLVED PARTIES LIST

Benita Herbert Address: Telephone:

Steven Hentzen Address:

Telephone:

Eric T. Frauen, P.G. Address:

Telephone:

Kitson Environmental Services Address:

Telephone:

Binyoti Amungwafor Address:

Telephone:

Site Owner Unknown Unknown

Hentzen Coatings, Inc. (Potential Buyer) 3937 W. Mill Rd. Milwaukee, WI 53218 (414) 353-4200

O & M, Inc. 5635 N. Shore Drive Whitefish Bay, WI 53217 (414) 963-6210

Geoprobe Contractor N4299 South Helenville Road Helenville, WI 53137 (920) 674-2378

WDNR Project Manager PO Box 12436 2300 N. Martin Luther King Drive Milwaukee, WI 53212 (414) 263-8500

## APPENDIX B

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WDNR Soil Boring Logs WDNR Borehole Abandonment Forms

## SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Route To:

2: Watershed/Wastewater 🗋 Waste Management 🗍 Remediation/Revelopment 🖾 Other

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## SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To:

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### SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Route To:

Watershed/Wastewater 🗌 Waste Management 🔲 Remediation/Revelopment 🔀 Other

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## SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Route To:

Watershed/Wastewater 
Waste Management
Remediation/Revelopment Other

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## SOIL BORING LOG INFORMATION

Form 4400-122

Rev. 7-98

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### SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

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## SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

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### SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

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#### SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

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#### SOIL BORING LOG INFORMATION Rev. 7-98 Form 4400-122

Route To:

Watershed/Wastewater 🔲 Waste Management 🔲 Remediation/Revelopment 🛛 Other

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This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

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#### SOIL BORING LOG INFORMATION Form 4400-122

Rev. 7-98

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Watershed/Wastewater 🗌 Waste Management 🔲 Remediation/Revelopment 🛛 Other

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### SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

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This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

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#### SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Route To:

Watershed/Wastewater 🔲 Waste Management 🔲 Remediation/Revelopment 🛛 Other

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#### SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

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## SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98 Rev. 7-98

Route To:

Watershed/Wastewater	Waste Man	agement
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### SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Route To:

Watershed/Wastewater 
Waste Management
Remediation/Revelopment

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### SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Route To:

Watershed/Wastewater

Remediation/Revelopment 🛛 Other

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#### SOIL BORING LOG INFORMATION Form 4400-122 Rcv. 7-98

Route To:

Watershed/Wastewater Waste Management

Remediation/Revelopment	Other	ш	

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### SOIL BORING LOG INFORMATION Rev. 7-98

Form 4400-122

Watershed/Wastewater 🔲 Waste Management 🗋 Remediation/Revelopment 🛛 Other 🔲

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Firm: WI Unique	$\frac{\langle t + \\ Well 1}{}$	<u>son</u> No. 1	DNR Well ID No.	Well Name	Final	Static	Water	Level	Surfac	c Elev	ation	Page of fing Number SS - 14/ mpleted Drilling Me P L Direct a Borehole D et MSL I I N S Fee Properties 10 Properties 007 a	ole Di	meter		
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### SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Route To:

Watershed/Wastewater 🗌 Waste Management 🗌 Remediation/Revelopment 🖾 Other

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Department of Natural Resources	Form 3300-5 2/2000 Page 1 of 2
Notice: Please complete Form 3300-5 and return it to the appropriate DNR offices 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In action of the this form may result in a forteiture of between \$10 and \$25,000, or impropriate the state of	ce and bureau. Completion of this report is required by chs. 160, 281, 283, 289, cordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure risonment for up to one year, depending on the program and conduct involved. any other purpose. NOTE: See the instructions for more information.
Route to: Drinking Water Watershed/Wastewater Waste Manag	gement Remediation/Redevelopment Other
(1) GENERAL INFORMATION	(2) FACILITY / OWNER INFORMATION
WI Unique Well No. DNR Well ID No. County	Facility Name
Milwäukee	P4G Bus Service
Common Well Name <u>SB-5/1</u> Gov't Lot (If applicable)	Facility ID 341002420
$NE_{1/4 \text{ of } NW_{1/4 \text{ of Sec. } 27}}$ ; T. $N; R. 21$	Street Address of Well
	City, Village, or Town
	Milwaukee
Local Grid Origin (estimated: ) or Well Location	Present Well Owner Original Owner
Lat Long or	
St. Plane ft. N. ft. E. $\Box \Box \Box$ Zone	Street Address or Route of Owner
Reason For Abandonment WI Unique Well No.	City, State, Zip Code
ompleted Szmpling of Replacement Well	
(3) WELL/DRILLHOLE/BOREHOLE INFORMATION	(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL
Original Construction Date 10/17/2001	Pump & Piping Removed?  Yes No X Not Applicable
Monitoring Well	Liner(s) Removed? Yes No X Not Applicable
If a Well Construction Report	Screen Removed? Yes No Not Applicable
Borehole / Drillhole is available, please attach.	
Construction Type:	Was Casing Cut Off Below Surface? 🔲 Yes 🗌 No
Drilled Driven (Sandnoint) Dug	Did Sealing Material Rise to Surface? 🛛 🗙 Yes 🗌 No
Domes Disect Dush	Did Material Settle After 24 Hours? Yes 🔀 No
	If Yes, Was Hole Retopped?  Yes No
Formation Type:	Required Method of Placing Sealing Material
Unconsolidated Formation	Conductor Pipe-Gravity Conductor Pipe-Pumped
Total Well Depth (ft.) Casing Diameter (in.)	Screened & Poured Other (Explain)
(From groundsurface) Casing Depth (ft )	(Bentomite Cinps)
	Next Cement Grout monitoring well boreholes only
Lower Drillinole Diameter (In.)	Sand-Cement (Concrete) Grout
Was Well Annular Space Grouted? 🗌 Yes 🗌 No 🗌 Unknown	
If Yes. To What Depth? Feet	Clay-Sand Shurry (11 lb./gal. wt.)
	Bentonite-Sand Slurry " " Bentonite - Cement Grout
Depth to Water (Feet)	Bentonite Chips Bentonite - Sand Slurry
(5) Material Used To Fill Well/Drillhole	From (Ft.) To (Ft.) No. Yards, (Circle Mix Ratio Sacks Sealant One) or Mud Weight
Rentonite Chios	Surface 20
Bentonite Chips	
(6) Comments	
(7) Name of Person or Firm Doing Sealing Work Date of Abardon	meni
1/ 1 Date of Adalidon	FORDNR OR COUNTY USE ONLY
Kitson Environmental 10/1/20	Date Received Noted By
Signature of Person Doing Work Date Signed	
Street or Route	Comments
H299 S. Helknville Rd   (920)674-2378	
City, State, Zip Code	
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State or wisconsm Department of Natural Resources		VV EL Form	3300-5	1 <b>016/ dvr</b> 2	2000	Page	L of 2
Notice: Please complete Form 3300-5 and return it to the appropriate 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Co to file this form may result in a forteiture of between \$10 and \$25,000 Personally identifiable information on this form is not intended to be	DNR office ode. In acco 0, or impris used for an	e and bureau, ordance with conment for up by other purpo	Completion of chs. 281, 289, to one year, ose. NOTE:	of this report 291, 292, 293 depending of See the instru	is required , 295, and 2 1 the progra lotions for 1	by chs. 160, 281, 2 299, Wis. Stats., fa am and conduct ir nore information.	83, 289, ilure ivolved.
Route to: Drinking Water Watershed/Wastewater Wa	ste Manage	ment 🖄 R	emediation/F	Redevelopme	nt 🗆 Oth	er	
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Milwzuke	e l	P4-C	Bus	Serv	ice		
Common Well Name 5B-5/2 Gov't Lot (If an	pplicable)	Facility ID 341002	420	License/	Permit/Mo	nitoring No.	
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ft. 🗌 N. 🗌 S.,ft. 🔲 E.	. 🗆 w. 🛛	City, Village	e, or Town ZUKEE	-			
Local Grid Origin (estimated: ) or Well Location		Present Well	Owner	0	riginal Ov	vner	
Lat Long S C St Plane ft N ft E. $\Box \Box$	or N ∏ Zone	Street Addre	ess or Route	of Owner			
Reason For Abandonment WI Unique Well No.	200.00	City, State, 2	Cip Code		· · ·		· ·
Completed Stepping of Replacement Well							
(3) WELL/DRILLHOLE/BOREHOLE INFORMATION	<u> </u>	<u>4) PUMP, I</u>	LINER, SC	REEN, CAS	SING, & S	MALING MAT	ERIAL
Original Construction Date $10/17/200$		Fump &	Piping Kemo	oved?			
Monitoring Well	nont	Screen R	lemoved?				plicable
Water Well is available, please attach.		Casing Left in Place?					P
Borehole / Drillhole		Was Cas	ing Cut Off	Below Surfac	<u></u> æ? □	Yes 🗖 No	
Construction Type:		Did Seal	ing Material	Rise to Surfa	ce? 🕅	Yes 🗍 No	
	2	Did Mat	erial Settle A	fter 24 Hours	?	Yes 🔀 No	
U Other (Specify) <u>DIFECT DUSN</u>	[ .	If Yes,	Was Hole R	etopped?		Yes 🔲 No	
Formation Type:	1	Required	d Method of	Placing Seali	ng Materia	L	
Unconsolidated Formation L Bedrock		Cond	uctor Pipe-G	ravity	Conducto	r Pipe-Pumped	
Total Well Depth (ft.) Casing Diameter (in.)			ened & Pour ntonite Chips	ed 🗌	Other (E	xplain)	
(From groundsurface) Casing Depth (ft.)		Sealing	Materials		Form	onitoring wells a	nd
Lower Drillhole Diameter (in.)		Neat	Cement Gro	ut	monit	oring well boreho	oles only
	(	Sand	-Cement (Co	ncrete) Grou		Bentonite Chips	•
	nknown		rete	<i>(</i> <b>1 1 1 1</b>		Granular Bentoni	ite
If Yes, To What Depth? Feet			-Sand Slurry	(11 ID./gal. v	<sup>π.)</sup>   □	Bentonite - Ceme	ent Grout
Depth to Water (Feet)		Bent	onite Chips	uu iy		Bentonite - Sand	Slurry
(5) Material Used To Fill Well/Drillhole		From (Ft.)	To (Ft.)	No. Yarda Sacks Seala or Volume	nt (Circle One)	Mix Rat or Mud We	io eight
Bentonite Chips		Surface	16				
(6) Comments:	••••••••••••••••••••••••••••••••••••••				· · · · · · · · · · · · · · · · · · ·		
(7) Name of Person of Firm Doing Sanling Work	Alamatan		•••• <u>•</u> •••••••••••••••••••••••••••••••				· · · · ·
Date of	7/201		FOR	DNRORE	OUNTYU	SEONLY	last (densig The Galact
KITSON ENVILONMENTAL 1011 Signature of Person Dring Work Date Stoned	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	- Date	Received	Note	ed By		
(12 Maun (C+M, Inc.) 1/4/02	2						
Street or Route		[Com	nents	o y se senter La casa tan	an Maximuda Marina di Kasimuda		
4299 S. Helenville Kd (920)674-2	1318						
City, State, Zip Code							<b>新教教</b>

Pepartment of Natural Resources	WELL/DRILLINUE/DUREIIVUE ADMINUTATION
<b>Notice:</b> Please complete Form 3300-5 and return it to the appropriate DNR offi	ce and hureau Completion of this report is required by the 140 281 283 200
291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In ac the file this form may result in a forteiture of between \$10 and \$25,000, or impr Personally identifiable information on this form is not intended to be used for a	cordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure isonment for up to one year, depending on the program and conduct involved. any other purpose. NOTE: See the instructions for more information.
Route to: Drinking Water Watershed/Wastewater Waste Manag	gement Aremediation/Redevelopment Other
(1) GENERAL INFORMATION	(2) FACILITY/OWNER INFORMATION
Milwaukee	P4G Bus Service
Common Well Name <u>SB-5/3</u> Gov't Lot (If applicable)	Facility ID 341002420
$NE_{1/4 \text{ of } NW_{1/4 \text{ of Sec. } 27}}$ ; T. $\mathcal{E}$ N; R. $2!$	Street Address of Well
$f. \square N. \square S., \ft. \square E. \square W.$	City, Village, or Twn
Local Grid Origin (estimated: ) or Well Location	Present Well Owner Original Owner
Lat Long or	Street Address or Route of Owner
St. Planeft. Nft. E. DDZ Zone	City State Zin Code
Comple feel Szimpling of Replacement Well	
(3) WELL/DRILLHOLE/BOREHOLE INFORMATION	(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL
Original Construction Date $10/17/2001$	Pump & Piping Removed? Yes No X Not Applicable
Monitoring Well	Screen Removed?
Water Well is available, please attach.	Casing Left in Place?
Borehole / Drillhole	Was Casing Cut Off Below Surface? Yes No
Construction Type:	Did Scaling Material Rise to Surface? X Yes No
	Did Material Settle After 24 Hours? Yes 🛛 Yo
U Other (Specify) Direct push	If Yes, Was Hole Retopped? Yes No
Formation Type:	Required Method of Placing Sealing Material
Disconsolidated Pormation	Conductor Pipe-Gravity Conductor Pipe-Pumped
Total Well Depth (ft.) Casing Diameter (in.)	(Bentonite Chips)
(From groundsurface) Casing Depth (ft.)	Sealing Materials For monitoring wells and
Lower Drillhole Diameter (in.)	Next Cement Grout monitoring well boreholes only
Was Well Annular Space Grouted? 🔲 Yes 🗌 No 🔲 Unknown	Concrete
If Yes, To What Depth? Feet	Clay-Sand Slurry (11 lb./gal. wt.)
	Bentonite-Sand Slurry " " Bentonite - Cement Grou
Depth to Water (Feet)	Bentonite Chips Bentonite - Sand Slurry
(5) Material Used To Fill Well/Drillhole	From (Ft.) To (Ft.) Sacks Sealant One) Or Mud Weight
Bentonite Chips	Surface 16
(6) Comments:	
(7) Name of Person or Firm Doing Sealing Work Date of Abandon	iment
Kitson Environmental 10/17/20	201 FOR DNR OR COUNTY USE ONLY
Signature of Person Doing Work Date Signed	Date received
(Up Macon (D+M, Inc.) 1/4/02 Strater Pourse	Comments.
+299 5. Helknville Rd (920)674-2378	
City, State, Zip Code	

	Department of Natural Resources	Form	3300-5	nvle/ Dvrem 2/200	VLL APA 10	Page 1 of 2
	Notice: Please complete Form 3300-5 and return it to the appropriate DNR off 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In ac of file this form may result in a forteiture of between \$10 and \$25,000, or imp Personally identifiable information on this form is not intended to be used for	ice and bureau. ccordance with risonment for u any other purp	Completion of chs. 281, 289, p to one year, ose. NOTE:	of this report is req 291, 292, 293, 295 depending on the See the instruction	uired by chs , and 299, W program and s for more in	160, 281, 283, 289, is. Stats., failure conduct involved. formation.
ſ	Route to: Drinking Water Watershed/Wastewater Waste Mana	gement 🖄	Remediation/I	Redevelopment	Other	
	(1) GENERAL INFORMATION	(2) FACIL	ITY/OWNI	ER INFORMAT	TION	
	Milwaukee.	P#C	Bus	Servie	e.	
ſ	Common Well Name $\leq B \leq 5/4$ Gov't Lot (If applicable)	Facility ID 34/007	2420	License/Perm	it/Monitori	ng No.
	$NE_{1/4 \text{ of } NW_{1/4 \text{ of Sec. } 27}$ ; T. $B$ N; R. $2($ $W$ Grid Location	Street Addr 6815	W, M	1.11 Roza	d	
	ft. N. S.,ft. E. W.	City, Villag	e, or lown			
.,	Local Grid Origin (estimated: ) or Well Location	Present Wel	1 Owner	Origin	al Owner	
•	Lat Long					
•	St. Planeft. Nft. E. DDD Zone	Street Addr	ess or Route	of Owner		
	Reason For Abandonment WI Unique Well No. $O = O \log \frac{1}{2} \log \frac{1}{2} \log	City, State,	Zip Code			
	(3) WELL/DRILLHOLE/BOREHOLE INFORMATION	(4) PUMP.	LINER SC	REEN. CASING	& SEAL	NG MATERIAL
	Original Construction Date 10/17/2001	Pump 8	Piping Rem	oved?  Yes	s 🗌 No 🕅	Not Applicable
		Liner(s)	Removed?		s 🔲 No 🛛	Not Applicable
	Water Well If a Well Construction Report	Screen	Removed?		3 🔲 No 🛛	Not Applicable
	Borehole / Drillhole					
	Construction Type:	Was Ca	sing Cut Off	Below Surface?		
	Drilled Driven (Sandpoint) Dug	Did Sea Did Ma	terial Settle A	fter 24 Hours?		
	Other (Specify) Direct Dush	If Yes	, Was Hole R	letopped?		No
	Formation Type:	Require	d Method of	Placing Sealing M	aterial	
	Unconsolidated Formation 🔲 Bedrock	Con	ductor Pipe-G	bravity Con	nductor Pipe	-Pumped
ł	Total Well Depth (ft.) Casing Diameter (in.)		ened & Pour	ed 🗌 Otl	her (Explain)	)
-	(From groundsurface) Casing Depth (ft.)	Sealing	Materials		For monitor	ing wells and
	Lower Drillhole Diameter (in.)		Cement Gro	ut ncrete) (imut		well boreholes only
	Was Well Annular Space Grouted? Yes No Unknown	Con	crete	·····		lar Bentonite
	If Yes, To What Depth? Feet		-Sand Slurry	(11 lb./gal. wt.)		nite - Cement Grout
	Depth to Water (Feet)	🔲 Ben 🔀 Ben	tonite-Sand S tonite Chips	lurry " "	Bento	nite - Sand Slurry
	(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Circle One)	Mix Ratio or Mud Weight
1	Bentonite Chips	Surface	16			
P		1				
	(6) Comments:	·				,
			····-			· · · · · · · · · · · · · · · · · · ·
	(7) Name of Person or Firm Doing Sealing Work Date of Abandon		FO	RDNRORCOUN	TY USE ON	Έ¥
	Kitson Environmental 10/1/20	Date	Received	Noted By		
	Signature of person boing those (Cit M, Inc.) 1/4/02		mente			
	Street or Route II D   Telephone Number					
-4	1299 S. Helenville Ra (120)617-2510					
	City, State, Alt Coue			were station des		

Department of Natural Resources	WELL/DRILLHULE/BUREHULE ABANDUNMENT Form 3300-5 2/2000 Page 1 of 2
Notice: Please complete Form 3300-5 and return it to the appropriate DNR office 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In act to file this form may result in a forteiture of between \$10 and \$25,000, or impr Personally identifiable information on this form is not intended to be used for a	ce and bureau. Completion of this report is required by chs. 160, 281, 283, 289 cordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure isonment for up to one year, depending on the program and conduct involved. iny other purpose. NOTE: See the instructions for more information.
Route to: Drinking Water Watershed/Wastewater Waste Manag	ement Remediation/Redevelopment Other
(1) GENERAL INFORMATION WI Unique Well No.  DNR Well ID No.  County	(2) FACILITY / OWNER INFORMATION Resility Name
Milwaukee	P4G Bus Service
Common Well Name $55-4/1$ Gov't Lot (If applicable)	Facility ID 341002420License/Permit/Monitoring No.
$NE_{1/4 \text{ of }} NW_{1/4 \text{ of Sec. } 27}$ ; T. $E$ N; R. $Z$	Street Address of Well 6815 W. Mill Road
ft. 🗋 N. 🗋 S.,ft. 🗋 E. 🗋 W.	City, Village, or Town Milwzukee
Local Grid Origin (estimated: ) or Well Location	Present Well Owner Original Owner
Lat Long or	Street Address or Route of Owner
St. Planeft. Ntt. EZone — Resear For Abandonment IWI Unique Well No.	City. State Zin Code
Completed Sampling of Replacement Well	
(3) WELL/DRILLHOLE/BOREHOLE INFORMATION	(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIA
Original Construction Date 10/17/2001 Monitoring Well Water Well If a Well Construction Report is available, please attach.	Pump & Piping Removed?       Yes       No       Not Applicable         Liner(s) Removed?       Yes       No       Not Applicable         Screen Removed?       Yes       No       Not Applicable         Casing Left in Place?       Yes       No       No
Borehole / Drillhole	Was Casing Cut Off Below Surface?  Yes No
Construction Type:	Did Sealing Material Rise to Surface? Xes No
Down (Sanopomi)	Did Material Settle After 24 Hours? The Yes X No
	If Yes, Was Hole Retopped? Yes No
Formation I ypc:	Required Method of Placing Sealing Material
Total Well Depth (ft.) Casing Diameter (in.)	Conductor Pipe-Gravity Conductor Piper amped     Screened & Poured     (Rentanite Chins)
(From groundsurface) Casing Depth (ft.)	Sealing Materials For monitoring wells and
Lower Drillhole Diameter (in.)	Neat Cement Grout monitoring well boreholes on
Was Well Annular Space Grouted? 🗌 Yes 🗌 No 🔲 Unknown	Sand-Cement (Concrete) Grout
If Ves. To What Denth? Feet	Clay-Sand Slurry (11 lb./gal. wt.)
Depth to Water (East)	Bentonite-Sand Slurry " " Bentonite - Cement Gro
- (5) Material Used To Fill Well/Drillhole	From (Ft.) To (Ft.) Sacks Sealant (Circle Mix Ratio or Mud Weight
Romtruite Chine	Surface L
Demonite Crips	
	······································
(6) Comments:	
(7) Name of Person or Firm Doing Sealing Work Date of Abandon	ment
Kitcon Environmental 10/17/20	FOR DNR OR COUNTY USE ONLY
Signature of Person Doing Work Date Signed	Date Received     Noted By
Sizet or Route , Telephone Number	Comments
-1299 S. Helknville Rd (920)674-2378	

City, State, Zip Code

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## WELL/DRILLHOLE/BOREHOLE ABANDONMENT Form 3300-5 2/2000 Page 1 of 2

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Route to: Drinking Water Watershed/Wastewater Waste Manag	gement 🖄	Remediation/H	Redevelopment	Othe	er
(1) GENERAL INFORMATION	(2) FACIL	ITY/OWN	ER INFORM	ATION	
Wi Unique Well No. DNR Well ID No. County Milwaukee	Facility Na P4 C	<u>B</u> us	Servi	ce.	
Common Well Name $\frac{55-4/2}{2}$ Gov't Lot (If applicable)	Facility ID 341007	2420	License/Pe	rmit/Mo	nitoring No.
$N \in 1/4$ of $\underline{N} = 1/4$ of Sec. 27; T. $\underline{\mathcal{E}}$ N; R. 2( $\underline{\mathbb{M}} = \mathbb{R}$ Grid Location	Street Addr 6815	ess of Well	1.11 Ro	ad	
ft. □ N. □ S.,ft. □ E. □ W.	City, Villag	e, or Town Zukee	-		
Local Grid Origin (estimated: ) or Well Location	Present Wel	l Owner	Ori	ginal Ov	vner
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Street Addr	ess or Route	of Owner		<u> </u>
Reason For Abandonment WI Unique Well No.	City, State,	Zip Code			
(2) WELL UDBLE HOLE TO DESTROY E INFORMATION		IINDD CC	DEEN CAST	NC 9.6	PATING MATERIAL
(3) WELL/DRILLHOLE/BOREHOLE INFORMATION	(4) POMP,	LINER, SC	KEEN, CASI	NG, & S	BEALING MATERIAL
Original Construction Date 10/17/2001	Pump &	Piping Rem	oved?		
Monitoring Well	Screen	Removed?	H		No X Not Applicable
Water Well       If a Well Construction Report         is available, please attach.	Casing	Left in Place		Yes	
	Was Ca	sing Cut Off	Below Surface	$\overline{}$	Yes 🗌 No
	Did Sea	ling Material	Rise to Surface	s? 🕅	Yes 🗍 No
Driven (Sandpoint)	Did Ma	terial Settle A	fter 24 Hours?	Ē	Yes 🔀 No
Other (Specify) <u>Direct push</u>	If Yes	, Was Hole F	letopped?	ö	Yes No
Formation Type:	Require	d Method of	Placing Sealing	Materia	I
Unconsolidated Formation 🔲 Bedrock	Con	ductor Pipe-C	iravity 🔲	Conducto	or Pipe-Pumped
Total Well Depth (ft.) Casing Diameter (in.)		ened & Pour entonite Chip	s)	Other (E	xplain)
(From groundsurface) Casing Depth (ft.)	Sealing	Materials		For m	onitoring wells and
Lower Drillhole Diameter (in.)		t Cement Gro	ut	monit	toring well boreholes only
Was Well Annular Space Grouted? 🔲 Yes 🗌 No 🗌 Unknown		crete	ncrete) Grout		Bentonite Chips
If Yes, To What Depth? Feet	Clay	-Sand Slurry	(11 lb./gal. wt.	) ¦ ¦	Bentonite Contant Cros
	Ben	tonite-Sand S	luny " "		Bentonite - Cement Oroc
Depth to Water (Feet)	🔀 Ben	tonite Chips			Bentonite - Sand Slurry
(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	(Circle One)	Mix Ratio or Mud Weight
Bentonite Chips	Surface	4			
				· .	
-					
	<u></u>	l			
(6) Comments:	n de la composition de la comp		·		
			· · · · ·		
(7) Name of Person or Firm Doing Sealing Work Date of Abandon	ment				
Kitson Environmental 10/17/20	201	BO.	RIDNRORCO	UNILAYIU	SEONLY
Signature of Person Doing Work Date Signed		- MELCIVED	l'anceo	DJ.	
Ut / tan (U419, Inc.) 11/4/02	Con	iments	ane ser an star an		alena ang kanalan na salah sa bana kanalan sa sa sa
Sareet or Route Telephone Number					nn sni ferdiri.
City State Tin Code		anne salaritetta di Ny Iosefan	ng rang ng hining dan (Shiri) Mang ng n		
VICE, UNIV, ZHU VOUV	<b>新</b> 行的新闻的	STATES AND A STATES		SATE OF STREET, SATURAL	2020年7月1日,1月1日,1月1日,1月1日,1月1日,1月1日,1月1日,1月1日,

## WELL/DRILLHULE/BOREHULE ABANDUNMENT Form 3300-5 2/2000 Page 1 of 2

Notice: Please complete Form 3300-5 and return it to the appropriate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forteiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to: Drinking Water Watershed/Wastewater Waste Manag	zement 🖄	Remediation/I	Redevelopment	Other _	
(1) GENERAL INFORMATION	(2) FACILITY / OWNER INFORMATION				
WI Unique Well No. DNR Well ID No. County Milwzukee	Facility Nat P4 C	me Bus	Servic	e	
Common Well Name _ <u>SS-4//3</u> Gov't Lot (If applicable)	Facility ID 341007	2420	License/Perr	nit/Monito	ring No.
$NE_{1/4 \text{ of } NW} 1/4 \text{ of Sec. } 27 \text{ ; T. } N; R. 21 W Grid Location}$	Street Addr 6815	ess of Well W - K	1.11 Roa	10	
ft. 🗋 N. 🗋 S.,ft. 🗋 E. 🗋 W.	City, Villag	e, or Town Zukee			· · ·
Local Grid Origin (estimated: ) or Well Location	Present Wel	I Owner	Origi	nal Owner	, ,
Lat Long S C N St Plane ft N ft E. $\Box \Box \Box Z$ one	Street Addr	ess or Route	of Owner	· .	
Reason For Abandonment WI Unique Well No.	City, State,	Zip Code			
COMPLETE CI Sampling of Replacement Well	CO DIDAD	TITE OC			
(3) WELL/DRILLHOLE/BOREHOLE INFORMATION	(4) PUMP,	LINER, SC	REEN, CASLN	G, & SEA	LING MATERIAL
- Original Construction Date $\frac{10/17/2001}{2001}$	Pump & Liner(s)	Piping Removed?	oved? U Ye	es ∐ No □ No	Not Applicable
Monitoring Well	Screen	Removed?	H 🕻		Not Applicable
Water Well is available, please attach.	Casing	Left in Place?	? 🗌 Y		KA HOLAPPHONE
Borehole / Drillhole	Was Ca	sing Cut Off	Below Surface?		s 🗌 No
Construction Type:	Did Sea	ling Material	Rise to Surface?	X Ye	s 🔲 No
Direct push	Did Mar If Yes	terial Settle A , Was Hole F	After 24 Hours? Retopped?	☐ Yes ∏ Ye	s 🗖 No
Formation Type:	Require	d Method of	Placing Scaling N	Material	
Unconsolidated Formation   Bedrock		ductor Pipe-C	iravity Co	onductor Pi	pe-Pumped
Total Well Depth (ft.) Casing Diameter (in.)	Scre (Be	ened & Pour entonite Chip	red O s)	ther (Expla	in)
(From groundsurface) Casing Depth (ft.)	Sealing	Materials		For monit	oring wells and
Lower Drillhole Diameter (in.)		Cement Gro	aut	monitorin	g well boreholes only
Was Well Annular Space Grouted? 🔲 Yes 🗌 No 🗌 Unknown		I-Cement (Co crete	increte) Grout	Ben	tonite Chips
If Van To What Danth? Feet		-Sand Slurry	(11 lb./gal. wt.)		nular Bentonite
It ies, io what Depuit iect	Beni	tonite-Sand S	Jurry " "	🔲 Ben	tonite - Cement Grou
Depth to Water (Feet)	Ben	tonite Chips	- <u></u>	' 🗌 Ben	tonite - Sand Slurry
(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	(Circle One)	Mix Ratio or Mud Weight
Bentonite Chips	Surface	4	-		
		· <u>(</u>			
					**************************************
	· · ·			<u> </u>	
(6) Comments:					<u></u>
(7) Name of Person or Firm Doing Sealing Work Date of Abandon	ment	·	· · · · · · · · · · · · · · · · · · ·		·
Viteon Environmental 10/17/20		FO	R DNR OR COU	NTY USEC	DNLY
Signature of Person Doing Work Date Signed	Date	Received	Noted B	<b>ÿ</b> :: ≥pi	
Out Them (0+M, Inc.) 1/4/00	Con	ments		and of the second	
Street or Route	E 1014/3/17	THE REPORT AND	Berry and the second second second second		North Addition and American and
299 S. Helenville Rd (920)674-2318		i santa Santa Santa Santa Santa Santa			

## WELL/DRILLHOLE/BOREHOLE ABANDONMENT Form 3300-5 2/2000 Page 1 of 2

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Route to: Drinking Water Watershed/Wastewater Waste Manag	gement BRemediation/Redevelopment DOther
(1) GENERAL INFORMATION	(2) FACILITY / OWNER INFORMATION
WI Unique Well No. DNR Well ID No. County Milwzukee	Facility Name PAC BUS SERVICE
Common Well Name $\leq \leq -4/4$ Gov't Lot (If applicable)	Facility ID 341002420
$NE_{1/4 \text{ of }} \frac{NW}{M}_{1/4 \text{ of Sec. }} 27 \text{ ; T. } \frac{E}{M} \text{ N; R. } \frac{21}{M} \text{ W}$ Grid Location	Street Address of Well 6815 W. Mill Road
ft. 🗋 N. 🗋 S.,ft. 🗋 E. 🗋 W.	City, Village, or Town
Local Grid Origin (estimated: ) or Well Location	Present Well Owner Original Owner
Lat Long or	Street Address or Route of Owner
St. Planeft. Nft. E.	
Reason For Abandonment WI Unique Well No.	City, State, Zip Code
omplie tecl SIMpling of Replacement Well	
(3) WELL/DRILLHOLE/BOREHOLE INFORMATION	(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL
Original Construction Date $10/17/2001$	Pump & Piping Removed? Yes No Not Applicable
Monitoring Well	Liner(s) Removed?
Water Well If a Well Construction Report is available, please attach.	Casing Left in Place? Yes No X Not Applicable
Borehole / Drillhole	Was Casing Cut Off Below Surface? Yes No
Construction Type: $\Box$ Drilled $\Box$ Drive $\Box$ Dug	Did Sealing Material Rise to Surface? Xes No
	Did Material Settle After 24 Hours? Yes X No
U Other (Specify) Direct push	If Yes, Was Hole Retopped?
Formation Type:	Required Method of Placing Sealing Material
	Screened & Poured Other (Explain)
(From groundsurface)	(Bentonite Chips)
Lower Drillhole Diameter (in )	Sealing Materials For monitoring wells and monitoring wells boreholes only
	Sand-Cement (Concrete) Grout
If Ves To What Depth?	Clay-Sand Shurry (11 lb/gal, wt.)
	Bentonite-Sand Slurry " " Bentonite - Cement Grout
Depth to Water (Feet)	Bentonite Chips Bentonite - Sand Slurry
(5) Material Used To Fill Well/Drillhole	From (Ft.) To (Ft.) Sacks Sealant One) Or Mud Weight
Bentonite Chips	Surface 24
(6) Comments:	
(7) Name of Person or Firm Doing Sealing Work Date of Abardon	meni
Kitson Environmental 10/17/20	FOR DNR OR COUNTY USE ONLY
Signature of Person Doing Work Date Signed	Date Received Noted By
Street or Route	Comments
299 S. Helknville Rd 1 (920)674-2378	
City, State, Zip Code	

## WELL/DKILLHULE/BOKEHULE ABANDUNMENT Form 3300-5 2/2000 Page 1 of 2

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Route to: Drinking Water Watershed/Wastewater Waste Manag	gement 🖄	Remediation/R	edevelopment	Other
(1) GENERAL INFORMATION	(2) FACIL	TY/OWNE	R INFORMAT	ION
WI Unique well No. DIVR well ID IVO. County Miluszu kee	Pacifity Na	R	San	0
	Facility ID	Dus	License/Perm	it/Monitoring No
Common Well Name $\frac{55-6/l}{2}$ Gov't Lot (If applicable)	341007	2420		10111011101 IIIG 110.
$N \in \frac{1}{4}$ of $N = \frac{1}{4}$ of Sec. $\frac{2}{2}$ ; T. $\frac{2}{5}$ N; R. $\frac{2}{5}$ W; R. $\frac{2}{5}$ W	Street Addr 6815	W /	III Road	d
f. 🖸 N. 🖸 S.,f. 🗋 E. 🗋 W.	City, Villag	e, or Town		
Local Grid Origin (estimated: ) or Well Location	Present Wel	1 Owner	Origin	al Owner
Lat Long , or	<u> </u>			
St. Planeft. Nft. E. $\Box \Box \Box$ Zone	Street Addr	ess or Route of	of Owner	
Reason For Abandonment WI Unique Well No.	City, State,	Zip Code		
completed SIMpling of Replacement Well				
(3) WELL/DRILLHOLE/BOREHOLE INFORMATION	(4) PUMP,	LINER, SC	REEN, CASING	, & SEALING MATERIAI
Original Construction Date $10/17/2001$	Pump 8	Piping Remo	oved? Yes	s 🔲 No 📈 Not Applicable
	Liner(s)	Removed?	Yes	s 🔲 No 🔀 Not Applicable
If a Well Construction Report	Sercen	Removed?		s 🔲 No 🖾 Not Applicable
Borehole / Drillhole is available, please attach.	Casing	Left in Place?		3 🗌 No
Construction Type:	Was Ca	sing Cut Off I	Below Surface?	Yes No
Drilled Driven (Sandpoint) Dug		ling Material	Kise to Surface?	
Other (Specify) Direct push	Did Ma If Yes	s, Was Hole R	etopped?	
Formation Type:	Require	d Method of	Placing Sealing M	aterial
Unconsolidated Formation Dedrock		ductor Pipe-G	ravity Cor	nductor Pipe-Pumped
Total Well Depth (ft.) Casing Diameter (in.)		ened & Pour	ed 🗌 Oth	ner (Explain)
(From groundsurface) Casing Depth (ft.)	Sealing	Materials	<u>,                                     </u>	For monitoring wells and
Lower Drillhole Diameter (in.)		Cement Grou	2t	monitoring well boreholes only
Was Well Annular Space Grouted? Yes No Unknown		1-Cement (Con	ncrete) Grout	Bentonite Chips
If Yes, To What Depth? Feet		-Sand Slurry	(11 lb./gal. wt.)	Granular Bentonite
	🗌 Ben	tonite-Sand SI	шту " "	Bentonite - Cement Grou
Depth to Water (Feet)	🔀 Ben	tonite Chips		Bentonite - Sand Slurry
(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Circle Mix Ratio One) or Mud Weight
Bentonite Chips	Surface	4	· · ·	
	· · ·			
(6) Comments:	Manua - 11 an - 12 an -			-
			•	
(7) Name of Person or Firm Doing Sealing Work Date of Abandon	ment			
Kitson Environmental 10/17/20	01	FOR	DNR OR COUN	FY USE ONEY
Signature of Person Doing Work Date Signed	Date	Received	Noted By	
Chot From (OrM, Inc) 1/4/02	100 B			
Street or Route	Com	ments	Service of the	
1299 S. Helenville Kd (920)674-2378			arter art	
City, State, Zip Code			No P	anthan defende Diemeter

## WELL/DRILLHULE/BOKEHULE ABANDUNMENT Form 3300-5 2/2000 Page 1 of 2

Notice: Please complete Form 3300-5 and return it to the appropriate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forteiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to: Drinking Water Watershed/Wastewater Waste Manag	gement Aremediation/Redevelopment Other
(1) GENERAL INFORMATION	(2) FACILITY/OWNER INFORMATION
WI Unique Well No. DNR Well ID No. County	Facility Name
M. Waukee	P4G Bus Service
Common Well Name $\frac{55.6}{2}$ Gov't Lot (If applicable)	Facility ID 34/002420
$\frac{NE_{1/4} \text{ of } NW}{\text{Grid Location}} 1/4 \text{ of } \text{Sec. } 27 \text{ ; } \text{T. } \underbrace{\mathcal{B}}_{N;R. } \frac{21}{\Box W}$	Street Address of Well 6815 W. Mill Road
ft. 🗌 N. 🗌 S.,ft. 🗋 E. 🗋 W.	City, Village, or Town Milwzukee
Local Grid Origin (estimated: ) or Well Location	Present Well Owner Original Owner
Lat Long or s c N	Street Address or Route of Owner
St. Planeft. Nft. E. DD Zone	
Completed SImpling of Replacement Well	City, State, Zip Code
(3) WELL/DRILLHOLE/BOREHOLE INFORMATION	(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL
Original Construction Date 10/17/2001	Pump & Piping Removed? Yes No Not Applicable
Monitoring Well	Liner(s) Removed? Yes No X Not Applicable
Water Well If a Well Construction Report	Costing Lafe in Place? I Yes No Not Applicable
Borehole / Drillhole is available, please attach.	
Construction Type:	Was Casing Cut Off Below Surface? Yes No
Drilled Driven (Sandpoint) Dug	Did Sealing Material Rise to Surface? X Yes No
Other (Specify) Direct Dush	Did Material Settle After 24 Hours? Yes X No If Yes, Was Hole Retonned? Yes No
Formation Type:	Required Method of Placing Sealing Material
Unconsolidated Formation Bedrock	Conductor Pipe-Gravity Conductor Pipe-Pumped
Total Well Depth (ft.) Casing Diameter (in.)	Screened & Poured (Bentonite Chips)
(From groundsurface) Casing Depth (ft.)	Sealing Materials For monitoring wells and
Lower Drillhole Diameter (in.)	Sand-Cement (Concrete) Grout monitoring well boreholes only
Was Well Annular Space Grouted?	Concrete
If Yes, To What Depth? Feet	Clay-Sand Slurry (11 lb./gal. wt.)
Depth to Water (Feet)	Bentonite-Sand Slurry " " Bentonite - Sand Slurry
(5) Material Used To Fill Well/Drillhole	From (Ft.) To (Ft.) Sacks Sealant One) One Or Mud Weight
Bentonite Chips	Surface 1
(6) Comments:	
(7) Name of Person or Firm Doing Sealing Work Date of Abandon	neni
Kitson Environmental 10/17/20	FOR DNR OR COUNTY USE ONLY
Signature of Person Doing Work Date Signed	Date Received Noted By
1000 1am (0101, 100.) 114/02	

Comments

Telephone Number (920)674

Ro

2378

299 S. Helenville City, State, Zip Code

Sirect or Route

## WELL/DRILLHULE/BOKEHULE ABANDONMENT Form 3300-5 2/2000 Page 1 of 2

Notice: Please complete Form 3300-5 and return it to the appropiate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forteiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to: Drinking Water Watershed/Wastewater Waste Man	agement Aremediation/Redevelopment Other
(1) GENERAL INFORMATION	(2) FACILITY / UWINER INFURINA LIUN
WI Unique well No. DIVE well ID NO. County Milwzukee	PdC Bus Service
Common Well Name $\leq \leq -6/3$ Gov't Lot (If applicable	Facility ID 34/1002420 License/Permit/Monitoring No.
$NE_{1/4 \text{ of } NW_{1/4 \text{ of Scc. } 27}}$ ; T. $E$ N; R. $Z_{1}$ $\Box$	Street Address of Well 6815 W. Mill Road
	City, Village, or Town Milwzukee
Local Grid Origin (estimated: ) or Well Location	Present Well Owner Original Owner
Lat Long S $C N$ St Plane ft N ft F. $\Box \Box \Box Z$ or	Street Address or Route of Owner
Reason For Abandonment WI Unique Well No.	City, State, Zip Code
(a) WELL (DDULL HOLE PRODUCE INFORMATION)	(A) DIMU LINDE CORDEN CASING & SEATING MATERIAL
(3) WELL/DRILLHOLE/BUREHOLE INFORMATION	(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL
Original Construction Date 10/17/2001 Monitoring Well Water Well Dependence (Drithele	Pump & Piping Removed?       Yes       No X       Not Applicable         Liner(s) Removed?       Yes       No X       Not Applicable         Screen Removed?       Yes       No X       Not Applicable         Casing Left in Place?       Yes       No       No
	Was Casing Cut Off Below Surface? Yes No
Drilled Driven (Sandpoint) Dug	Did Sealing Material Rise to Surface? X Yes No
Other (Specify) Direct push	- If Yes, Was Hole Recopped? I Yes No
Formation Type: Unconsolidated Formation Bedrock	Required Method of Placing Scaling Material
Total Well Depth (ft.) Casing Diameter (in.)	Screened & Poured (Bentonite Chips)
(From groundsurface) Casing Depth (ft.)	Sealing Materials For monitoring wells and monitoring wells only
	Sand-Cement (Concrete) Grout
Was Well Annular Space Grouted? Yes No Unknown	Ciav-Sand Slurry (11 lb./gal. wt.)
Denth to Water (Feet)	Bentonite-Sand Slurry "" Bentonite - Cement Grou
(5) Material Used To Fill Well/Drillhole	From (Ft.) To (Ft.) Sacks Sealant (Circle Mix Ratio or Volume One) or Mud Weight
Bentonite Chips	Surface 2
<u> </u>	
en e	
(6) Comments:	<u>_k</u>
(7) Name of Person or Firm Doing Sealing Work Date of Abando	nmeni
Kitson Environmental 10/17/2	OOI FOR DNR OR COUNTY USE ONLY
Signature of Person Doing Work Date Signed	- Date Received Noted By
(Not Main (Or M. Inc.) 1/4/02	

Comments

Telephone Number

(920)6

Rc

2378

Street or Route

## WELL/DKILLHOLE/BOREHOLE ABANDONMENT Form 3300-5 2/2000 Page 1 of 2

Notice: Please complete Form 3300-5 and return it to the appropiate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forteiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to: Drinking Water Watershed/Wastewater Waste Manag	gement 🖄	Remediation/	Redevelopment	]Other	
(1) GENERAL INFORMATION	(2) FACILITY/OWNER INFORMATION				
WI Unique Well No. DNK Well ID No. County	<b>Facility Na</b>	me R	Sani		
Milli Mauree	Posility ID	pus	Jer Viet	t/Monitoring No	
Common Well Name $\leq \leq -\frac{6}{4}$ Gov't Lot (If applicable)	34100%	2420	License rermi	Minitoring No.	
$NE_{1/4}$ of $\underline{NW}_{1/4}$ of Sec. $\underline{27}$ ; T. $\underline{\mathcal{B}}$ N; R. $\underline{21}$ $\underline{W}$ B Grid Location	Street Addi	ess of Well	1.11 Roza	5l	
ft. 🗌 N. 🗌 S.,ft. 🔲 E. 🗌 W.	City, Villag	e, or Town			
Local Grid Origin (estimated: ) or Well Location	Present Wel	1 Owner	– Origina	al Owner	
Lat Long or	<u> </u>				
St. Planeft. Nft. E. $\Box \Box \Box Z$ one	Street Addr	ess or Route	orOwner		
Reason For Abandonment WI Unique Well No.	City, State,	Zip Code			
<u>Completed</u> Sampling of Replacement Well					
(3) WELL/DRILLHOLE/BOREHOLE INFORMATION	(4) PUMP,	LINER, SC	REEN, CASING	, & SEALING MATERIAL	
Original Construction Date $10/17/2001$	Pump &	Piping Rem	oved? 🔲 Yes	No Not Applicable	
Monitoring Well	Liner(s	) Removed?	Yes	No 🛛 Not Applicable	
Water Well If a Well Construction Report	Screen	Removed?		No Not Applicable	
Borehole / Drillhole is available, please attach.	Casing	Len in Place:		<u> </u>	
Construction Type:	Was Ca	sing Cut Off	Below Surface?	Yes No	
Drilled Driven (Sandpoint) Dug	Did Sea	ling Material	Rise to Surface?	🗙 Yes 🔲 No	
Other (Specify) Direct push	Did Ma If Yes	terial Settle A . Was Hole F	After 24 Hours? Retorged?	$\square Yes \square No$	
Formation Type:	Require	d Method of	Placing Sealing Ma	aterial	
Unconsolidated Formation   Bedrock		ductor Pipe-C	Gravity Con	ductor Pipe-Pumped	
TotalWellDepth (ft.) Casing Diameter (in.)		ened & Pour entonite Chip	ed Oth	er (Explain)	
(From groundsurface) Casing Depth (ft.)	Sealing	Materials	· ]	For monitoring wells and	
Lower Drillhole Diameter (in.)	Nca	t Cement Gro	out 1	monitoring well boreholes only	
		l-Cement (Co	ncrete) Grout	Bentonite Chips	
		crete	(111b (gal yet)	Granular Bentonite	
If Yes, To What Depth? Feet		-Sand Slurry	(11 ID./gai. wt.)	Bentonite - Cement Grou	
Depth to Water (Feet)		tonite Chips	iury I	Bentonite - Sand Slurry	
(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant	Circle Mix Ratio One) or Mud Weight	
Daylog it Ali	Surface	2	or volume		
Bentonire Chips		1			
	•				
(6) Commente:			······		
(b) Comments:				· · · ·	
(7) Name of Person or Firm Doing Sealing Work Date of Abandon	ment				
Kitson Environmental 10/17/20		FOI	R DNR OR COUNT	YUSEONLY	
Signature of Person Doing Work IDate Signed	Date	Received	Noted By		
Oct-From (O+M.Inc.) 1/4/02		elle a seguration			
Street or Route	Com	ments	A STATE OF		
1299 S. Helenville Rd (920)674-2378					
City, State, Zip Code					

## WELL/DKILLHOLE/BOKEHOLE ABANDONMENT Form 3300-5 2/2000 Page 1 of 2

Notice: Please complete Form 3300-5 and return it to the appropriate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forteiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to: Drinking Water Watershed/Wastewater Waste Manag	ement Remediation/Redevelopment Other
(1) GENERAL INFORMATION	(2) FACILITY / OWNER INFORMATION
WI Unique well No. DINK well ID No. County Milwaukee	Par Rue Service
$Common WellName \leq \leq -11/1 \qquad Gov't Lot (If applicable)$	Facility ID     License/Permit/Monitoring No.       34/002420
$NE_{1/4 \text{ of } NW} 1/4 \text{ of Sec. } 27 \text{ ; T. } N; R. 21 \boxtimes W$ Grid Location	Street Address of Well 6815 W. Mill Road
ft. 🗋 N. 🗋 S.,ft. 🗋 E. 🗋 W.	City, Village, or Town Milwzukee
Local Grid Origin (estimated: ) or Well Location	Present Well Owner Original Owner
Lat Long or	Street Address or Route of Owner
St. Planeft. Nft. E.	
Reason For Abandonment WI Unique Well No.	City, State, Zip Code
(3) WELL/DRILLHOLE/BOREHOLE INFORMATION	(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL
Original Construction Date 10/17/2001 Monitoring Well Water Well State Action Report is available, please attach.	Pump & Piping Removed?       Yes       No       Not Applicable         Liner(s) Removed?       Yes       No       Not Applicable         Screen Removed?       Yes       No       Not Applicable         Casing Left in Place?       Yes       No       No
Construction Type: □ Drilled □ Driven (Sandpoint) □ Dug □ Other (Specify) □ Cect push Formation Type:	Was Casing Cut Off Below Surface?       Yes       No         Did Sealing Material Rise to Surface?       Yes       No         Did Material Settle After 24 Hours?       Yes       No         If Yes, Was Hole Retopped?       Yes       No
Unconsolidated Formation Bedrock	Required Method of Placing Sealing Material Conductor Pipe-Gravity Conductor Pipe-Pumped
Total Well Depth (ft.)       Casing Diameter (in.)         (From groundsurface)       Casing Depth (ft.)	Screened & Poured U Other (Explain)
Lower Drillhole Diameter (in.)	Neat Cement Grout     Send Cement (Concerts) Court
Was Well Annular Space Grouted? 🗌 Yes 🗌 No 🗌 Unknown	
If Yes, To What Depth? Feet	Clay-Sand Slurry (11 lb./gal. wt.)
Depth to Water (Feet)	Bentonite-Sand Shurry " " Bentonite - Centent Order
(5) Material Used To Fill Well/Drillhole	From (Ft.) To (Ft.) Sacks Sealant One) Or Mud Weight
Bentonite Chips	Surface 4
(6) Comments:	
7-1 1	
Kitson Environmental 10/17/20	FOR DNR OR COUNTY USE ONLY
Signature of Person I Ding Work (0+M, Inc.) Date Signed 1/4/02	Comments

Street or Route 1299 S. Helknville Rd (920)674-2378 City, State, Zip Code
#### WELL/DKILLHOLE/BOKEHOLE ABANDONMENT Form 3300-5 2/2000 Page 1 of 2

Notice: Please complete Form 3300-5 and return it to the appropiate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forteiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to: Drinking Water Watershed/Wastewater Waste Manag	ement BRemediation/Redevelopment Other
(1) GENERAL INFORMATION	(2) FACILITY / OWNER INFORMATION
WI Unique Well No. DNR Well ID No. County Milwzukee	Facility Name P&G BUS Service
Common Well Name <u>55-11/2</u> Gov't Lot (If applicable)	Facility ID 341002420
$NE_{1/4 \text{ of }} NW_{1/4 \text{ of Sec. } 27}$ ; T. $\mathcal{E}_{N;R. 21} \boxtimes E$	Street Address of Well
ft. N. S.,ft. U. W.	City, Village, or Town
Local Grid Origin (estimated: ) or Well Location	Present Well Owner Original Owner
Lat Long or	Street Address or Route of Owner
St. Planeft. Nft. E. DOD Zone	
Reason For Abandonment WI Unique Well No.	City, State, Zip Code
(3) WELL/DRILLHOLE/BOREHOLE INFORMATION	(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL
Original Construction Date 10/17/2001 Monitoring Well Water Well Borehole / Drillhole Monitoring Well If a Well Construction Report is available, please attach.	Pump & Piping Removed?       Yes       No X       Not Applicable         Liner(s) Removed?       Yes       No X       Not Applicable         Screen Removed?       Yes       No X       Not Applicable         Casing Left in Place?       Yes       No       Not Applicable
Construction Type:	Was Casing Cut Off Below Surface? Yes No Did Sealing Material Rise to Surface? Yes No
Other (Specify) Direct push	Did Material Settle After 24 Hours? I Yes X No If Yes Was Hole Retorned? Ves No
Formation Type:	Required Method of Placing Sealing Material Conductor Pipe-Gravity Conductor Pipe-Pumped
Total Well Depth (ft.)       Casing Diameter (in.)         (From groundsurface)       Casing Depth (ft.)	Sealing Materials Bor monitoring wells and
Lower Drillhole Diameter (in.)	Neat Cement Grout     monitoring well boreholes only
Was Well Annular Space Grouted?  Yes No Unknown If Yes, To What Depth? Feet	Sand-Cement (Concrete) Grout Concrete Concrete Clay-Sand Slurry (11 lb./gal. wt.)
Depth to Water (Feet)	Bentonite - Sand Slurry Bentonite - Sand Slurry Bentonite - Sand Slurry
(5) Material Used To Fill Well/Drillhole	From (Ft.) To (Ft.) To (Ft.) To (Ft.) Sacks Sealant One) Or Mud Weight
Bentonite Chips	Surface 2
•	
(6) Comments:	
(7) Name of Person or Firm Doing Sealing Work Date of Abandon	ment

	(7) Name of Person or Firm Doing Sealing Work	Date of Abandonment	
	Kitson Environmental	10/17/2001	FOR DNR OR COUNTY USE ONEY
	Signature of Person Doing Work Date S	igned 1/• 2	Date Received Noted By
-	Street or Route 1299 S. Helknville Rd (920)67	nber 14-2378	Comments
	Citv, State, Zip Code		

#### WELL/DRILLHULE/BUREHULE ABANDUNMENT Form 3300-5 2/2000 Page 1 of 2

Notice: Please complete Form 3300-5 and return it to the appropriate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forteiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to: Drinking Water Watershed/Wastewater Waste Manag	ement Aremediation/Redevelopment Other
(1) GENERAL INFORMATION	(2) FACILITY/OWNER INFORMATION
MI Unique Well No. DINR Well ID No. County Milwaukee	P&G Bus Service
Common Well Name <u>55 - 11/3</u> Gov't Lot (If applicable)	Facility ID 341002420
$NE_{1/4 \text{ of } NW} 1/4 \text{ of Sec. } 27 \text{ ; T. } N; R. 21 \square W$ Grid Location	Street Address of Well 6815 W. Mill Road
ft. 🗌 N. 🗌 S.,ft. 🔲 E. 🗌 W.	City, Village, or Town
Local Grid Origin (estimated: ) or Well Location	Present Well Owner Original Owner
Lat Long or $s \in \mathbb{R}$	Street Address or Route of Owner
St. Planeft. Nft. E. L L Zone         Reason For Abandonment         WI Unique Well No.	City, State, Zip Code
completed Sampling of Replacement Well	
(3) WELL/DRILLHOLE/BOREHOLE INFORMATION	(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL
Original Construction Date 10/17/2001	Pump & Piping Removed? Yes No Not Applicable
Monitoring Well	Screen Removed?
Water Well If a well Construction Report is available, please attach.	Casing Left in Place? <u>Yes</u> No
Construction Type:	Was Casing Cut Off Below Surface? Yes No
Drilled Driven (Sandpoint) Dug	Did Scaling Material Rise to Surface? X I is No
Other (Specify) Direct push	Did Material Settle After 24 Hours?       If set is in the set opped?       If set is in the set opped?         If Yes, Was Hole Retopped?       Yes Is No
Formation Type:	Required Method of Placing Sealing Material
Unconsolidated Formation Bedrock	Conductor Pipe-Gravity
Total Well Depth (ft.) Casing Diameter (in.)	Screened & Poured Other (Explain) (Bentonite Chips)
(From groundsurface) Casing Depth (ft.)	Sealing Materials For monitoring wells and monitoring wells cally
Lower Drilliole Diameter (in.)	Sand-Cement (Concrete) Grout
Was Well Annular Space Grouted?  Yes No Unknown Unknown	Concrete
If Yes, To What Depth? Feet	Bentonite-Sand Slurry (11 lb./gal. wt.)
Depth to Water (Feet)	Bentonite Chips Bentonite - Sand Slurry
(5) Material Used To Fill Well/Drillhole	From (Ft.) To (Ft.) No. Yards, (Circle Mix Ratio Sacks Sealant One) or Mud Weight
Bentonite Chips	Surface 1
	LL
(7) Name of Person or Firm Doing Sealing Work Date of Abandon	nent
Kitson Environmental 10/17/20	O   FOR DNR OR COUNTY USE ONLY
Signature of Person Doing Work Date Signed	Date Received Noted By
Street or Route	Comments
City, State, Zip Code	

#### WELL/DRILLHOLE/BOKEHOLE ABANDONMENT Form 3300-5 2/2000 Page 1 of 2

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Route to: Drinking Water Watershed/Wastewater Waste Manag	ement Remediation/Redevelopment Other
(1) GENERAL INFORMATION	(2) FACILITY/ OWNER INFORMATION
Milwzukee	P4G Bus Service
Common Well Name $\leq \leq -11/4$ Gov't Lot (If applicable)	Facility ID 341002420 License/Permit/Monitoring No.
$NE_{1/4}$ of $NW_{1/4}$ of Sec. 27; T. $E$ N; R. $2!$ $W$ Grid Location	Street Address of Well 6815 W. Mill Road
ft. 🗌 N. 🗌 S.,ft. 🔲 E. 🗌 W.	City, Village, or Town
Local Grid Origin (estimated: ) or Well Location	Present Well Owner Original Owner
Lat Long or	Street Address or Boute of Owner
St. Planeft. Nft. E. DDD Zone	
Reason For Abandonment WI Unique Well No.	City, State, Zip Code
(3) WELL/DRILLHOLE/BOREHOLE INFORMATION	(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIA
Original Construction Data 1/17/2001	Pump & Piping Removed? Yes No X Not Applicable
	Liner(s) Removed? Yes No X Not Applicabl
Water Well       If a Well Construction Report         is available, please attach.	Screen Removed?       Yes       No       Not Applicable         Casing Left in Place?       Yes       No
Screetweeter Trans	Was Casing Cut Off Below Surface? Yes No
Drilled Driven (Sandpoint) Dug	Did Scaling Material Rise to Surface? 🔀 Yes 🗌 No
Other (Specify) Direct push	Did Material Settle After 24 Hours? Yes X No If Yes, Was Hole Recopped? Yes No
Formation Type:	Required Method of Placing Sealing Material
Unconsolidated Formation Dedrock	Conductor Pipe-Gravity Conductor Pipe-Pumped
Total Well Depth (ft.) Casing Diameter (in.)	Screened & Poured (Bentonite Chips) Other (Explain)
(From groundsurface) Casing Depth (ft.)	Sealing Materials For monitoring wells and
Lower Drillhole Diameter (in.)	Neat Cement Grout monitoring well boreholes on
Was Well Annular Space Grouted? 🔲 Yes 🗌 No 🔲 Unknown	Sand-Cement (Concrete) Grout
If Yes, To What Depth? Feet	Clay-Sand Slurry (11 lb./gal. wt.)
	Bentonite-Sand Shurry " " Bentonite - Cement Or
Depth to Water (Feet)	Bentonite Chips Bentonite - Sand Sturry
(5) Material Used To Fill Well/Drillhole	From (Ft.) To (Ft.) Sacks Sealant (Circle Mix Katio or Volume One) or Mud Weight
Bentonite Chips	Surface 2
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	I
(6) Comments:	
(7) Name of Person or Firm Doing Sealing Work   Date of Abandon	TOR DNR OR COUNTY INFONTA
Kitson Environmental 10/11/20	Date Received Noted By
Signature of reison Doing Work (DAM, Inc.,) 1/4/02	
Street or Route	Comments
4299 S. Helenville Kd (420)674-2318	
City, State, Zip Code	

Notice: Please complete Form 3300-5 and return it to the appropriate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forteiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to; Drinking Water Watershed/Wastewater Waste Manag	gement 🖄	Remediation/F	Redevelopment C	Other
(1) GENERAL INFORMATION	(2) FACIL	TY/OWN	CR INFORMATIO	DN
WI Unique Well No. DNR Well ID No. County M. WZUKEE	Facility Nat P4 C	Bus	Service	
Common Well Name <u>BS-14/1</u> Gov't Lot (If applicable)	Facility ID 34/1002	420	License/Permit/N	Monitoring No.
$NE_{1/4 \text{ of }} NW_{1/4 \text{ of Sec. }} 27$ ; T. $E$ N; R. $2l$ $W$ Grid Location	Street Addr 6815	css of ₩ell W.	1.11 Road	
ft. □ N. □ S.,ft. □ E. □ W.	City, Villag	e, or Town Zukee	-	44 - 14 - 14 - 14 - 14 - 14 - 14 - 14 -
Local Grid Origin (estimated: ) or Well Location	Present Wel	l Owner	Original	Owner
Lat Long or $s \in \mathbb{N}$	Street Addr	ess or Route	of Owner	
St. Plane ft. N ft. E Zone Reason For Abandonment WI Unique Well No.	City, State	Zin Code		
Completed Simpling of Replacement Well				
(3) WELL/DRILLHOLE/BOREHOLE INFORMATION	(4) PUMP,	LINE <mark>R, S</mark> C	REEN, CASING, 8	SEALING MATERIAL
Original Construction Date 10/17/2001	Pump &	Piping Rem	oved? 🔲 Yes [	No Not Applicable
Monitoring Well	Liner(s)	Removed?	Yes [	No Not Applicable
Water Weil       If a Well Construction Report         If a Well Construction Report       is available, please attach.	Casing	Left in Place?	Yes [	No X Not Applicable
Construction Type:	Was Ca	sing Cut Off	Below Surface? [	Yes No
Drilled Driven (Sandpoint) Dug	Did Sea	ling Material	Rise to Surface?	Yes No
Other (Specify) Direct push	Did Ma If Yes	terial Settle A , Was Hole R	After 24 Hours?	_ Yes ⊠ No _ Yes _ No
Formation Type:	Require	d Method of	Placing Sealing Mate	rial
Unconsolidated Formation  Bedrock		fuctor Pipe-G	iravity Condu	ctor Pipe-Pumped
Total Well Depth (ft.) Casing Diameter (in.)		ened & Pour ntonite Chip	ed Other	(Explain)
(From groundsurface) Casing Depth (ft.)	Sealing	Materials	For	r monitoring wells and
Lower Drillhole Diameter (in.)	Neat	Cement Gro	ut mo	mitoring well boreholes only
Was Well Annular Space Grouted? Yes No Unknown		l-Cement (Co crete	ncrete) Grout	Bentonite Chips
If Yes, To What Depth? Feet	Clay	-Sand Slurry	(11 lb./gal. wt.)	Bentonite - Cement Grou
Denth to Water (Feet)		onite-Sand S	1שמדע "" ו ר	Bentonite - Sand Slurry
	<b>EX</b> Ben	tonite Chips	No. Yards, (Cin	Dentointe - Santa Starity
(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant One	e) or Mud Weight
Bentonite Chips	Surface	4		
(6) Comments:			• • • • • • • • • • • • • • • • •	
(7) Name of Person or Firm Doing Sealing Work Date of Abandon	ment			
Kitson Environmental 10/17/20	01 Dat	FO.	(UDNICOLLOCO)UNUA?	USEONLY
Signature of Person Doing Work Date Signed		ACCIVEL.	Invite DY	
Street or Route 1299 S. Helenville Rd (920)674-2378	1Con	ments	a Carlos and Carlos Providencias	
City, State, Zip Code				

Notice: Please complete Form 3300-5 and return it to the appropiate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forteiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to: Drinking	Water Watersh	ed/Wastewater 🗌 Waste Manaj	gement 🖄	Remediation/J	Redevelopment	Other	
(1) GENERAL INFO	(2) FACILI		CK INFORMA	TION			
WI Unique Well No.	Facility Na	me	· · ·				
		MINWAUKEE	146	Bus	Servic	e	· · · · · · · · · · · · · · · · · · ·
Common Well Name .	55-14 <u>/</u> 2.	Gov't Lot (If applicable)	Facility ID 341002	2420	License/Per	mit/Monitor	ing No.
NE 1/4 of NW Grid Location	1/4 of Sec. 27	; T. <u>8</u> N; R. <u>2</u> <b>8</b> B	Street Addr 6815	ess of ₩ell W . ド	1.11 Roz	id	: .
ft. [	□ N. □ S.,	ft. 🗌 E. 🗌 W.	City, Villag	e, or Town		· · · ·	
Local Grid Origin	( estimated: 🗖	) or Well Location	Present Wel	l Owner	Orig	inal Owner	
Lat	Long		Street Addr	ess or Route	of Owner		**************************************
St. Plane	ft. N	ft. E. LL Zone	City State	7in Code			
Reason for Adandontin	India of Re	nlacement Well	City, State,				
(3) WELL/DRILLH	OI E/RORTHOLI		(4) PUMP	LINER SC	REEN, CASIN	G. & SEAT	ING MATERIAL
			Dume &	Dining Dom			Not Applicable
Original Construct	tion Date $10/1$	1/2001	Liner(s)	Removed?			Not Applicable
Monitoring W	ell		Screen	Demoved?			
Water Well	If	a Well Construction Report	Casing	Left in Place?			Mot Appricable
🛛 🛛 Borehole / Dri	llhole	available, please attacil.					<u> </u>
Construction Type	:		Was Ca	sing Cut Off	Below Surface?		
Drilled	Driven (Sa	ndpoint) Dug	Did Sea	ling Material	Rise to Surface?	🗙 Yes	No
Other (Specify	Direct	oush	Did Ma If Yes	terial Settle A Was Hole R	After 24 Hours? etopoed?	Yes	
Formation Type:	ati in a		Require	d Method of	Placing Sealing 1	Material	
Unconsolidate	d Formation	Bedrock		ductor Pipe-C	Pipe-Gravity Conductor Pipe-Pumped		
Total Well Depth (ft.	) Cas	ing Diameter (in.)	Scre (Be	ened & Pour entonite Chip	red C s)	)ther (Explai	n)
(From groundsurface	) Cas	sing Depth (ft.)	Sealing	Materials		For monitor	oring wells and
Lower Drillhole Dian	meter (in.)			Cement Gro	ut Contraction	monitoring	g well boreholes only
Was Well Annular S	Space Grouted? [	Yes 🗌 No 🗌 Unknown		crete	ncrete) Grout		conite Chips
If Yes, To Wha	t Depth?	Feet	Clay	-Sand Slurry	(11 lb./gal. wt.)		conite - Cement Grou
Depth to Water (Fee	et)		Bent	tonite-Sand S	שחא " "		tonite - Sand Slurry
(5) Mat	erial Used To Fill V	Vell/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant	(Circle One)	Mix Ratio or Mud Weight
Rentonity	e Chios	<	Surface	4	or volume		
		<u>,</u>		•			······································
							<u> </u>
- <u> </u>							
(6) Comments:	·. ·	·					
		- 11/- 1-			· .		
(7) Name of Person or	Firm Doing Sealing	g work Date of Abandon	meni	FO	NROPCOL	NTVISUO	NIN
Kitson E	=nvi Conme Ding Work	Date Signed	Date	Received	Noted I	<u>ат сою</u> с	
- aut them	- (OFM)	1/4/02		ments			
Street or Route 1299 S. Hele	nville Rd	Telephone Number (920)674-2378					
City, State, Zip Code	· · · · · · · · · · · · · · · · · · ·						

Department of Natural Resources	

Notice: Please complete Form 3300-5 and return it to the appropriate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forteiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to: Drinking Water Watershed/Wastewater Waste Manag	gement Aremediation/Redevelopment Other	
(1) GENERAL INFORMATION	(2) FACILITY/OWNER INFORMATION	
WI Unique Well No. DNR Well ID No. County Milwaukee	Facility Name P4G Bus Service	
Common Well Name <u>55-14</u> Gov't Lot (If applicable)	Facility IDLicense/Permit/Monitoring No.341002420	2
$NE_{1/4 \text{ of }} NW_{1/4 \text{ of Sec. }} 27$ ; T. $\mathcal{E}$ N; R. $21$ $\square$ W Grid Location	Street Address of Well 6815 W. Mill Road	
ft. □ N. □ S.,ft. □ E. □ W.	City, Village, or Town Mulwaukee	
Local Grid Origin (estimated: ) or Well Location	Present Well Owner Original Owner	
-Lat Long or	Street Address or Route of Owner	
St. Planeft. Nft. E. D Zone	City State Zin Code	
Completed Simpling of Replacement Well		
(3) WELL/DRILLHOLE/BOREHOLE INFORMATION	(4) PUMP, LINER, SCREEN, CASING, & SEALING MATER	IAL
Original Construction Date       10/17/2001         Monitoring Well       If a Well Construction Report is available, please attach.         Borehole / Drillhole       If a Well Construction Report is available, please attach.         Construction Type:       Drilled       Driven (Sandpoint)         Other (Specify)       Direct push         Formation Type:       Unconsolidated Formation       Bedrock         Total Well Depth (ft.)       Casing Diameter (in.)	Pump & Piping Removed?       Yes       No       Not Applic         Liner(s) Removed?       Yes       No       Not Applic         Screen Removed?       Yes       No       Not Applic         Casing Left in Place?       Yes       No       Not Applic         Casing Left in Place?       Yes       No       Not Applic         Was Casing Cut Off Below Surface?       Yes       No         Was Casing Material Rise to Surface?       Yes       No         Did Sealing Material Rise to Surface?       Yes       No         Did Material Settle After 24 Hours?       Yes       No         If Yes, Was Hole Retopped?       Yes       No         Required Method of Placing Sealing Material       Conductor Pipe-Gravity       Conductor Pipe-Pumped         Screeened & Poured (Bentonite Chips)       Other (Explain)       Bentonite relates         Scaling Materials       For monitoring wells and monitoring wells and monitoring well boreholes         Sand-Cement Grout       Bentonite Chips       Bentonite Chips         Concrete       Granular Bentonite       Bentonite - Cement (Complex Reprise Rep	able able able able only
Depth to Water (Feet)	Bentonite Chips Dentonite - Sand Slu	rry
(5) Material Used To Fill Well/Drillhole	From (Ft.) To (Ft.) No. Yards, (Circle Mix Ratio Sacks Sealant One) or Mud Weigh or Volume	t
Bentonite Chips	Surface 14	
(6) Comments:		
(7) Name of Person or Firm Doing Sealing Work Date of Abandon <u>Kitson Environmental</u> 10/17/20 Signature of Person Doing Work Date Signed <u>Street or Route</u> 1299 S. Helenville Rd (920)674-2378 City, State, Zip Code	ment 201 FOR DNR OR COUNTY USE ONLY Date Received. Noted By Comments	

#### State of Wisconsin Department of Natural Resources

#### WELL/DRILLHOLE/BOREHOLE ABANDONMENT Form 3300-5 2/2000 Page 1 of 2

Notice: Please complete Form 3300-5 and return it to the appropriate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forteiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to: Drinking Water Watershed/Wastewater Waste Manag	gement Remediation/Redevelopment Other
(1) GENERAL INFORMATION	(2) FACILITY/OWNER INFORMATION
WI Unique Well No. DNR Well ID No. County	Facility Name
M. Waukee	P4G Bus Service
Common Well Name 55-14/4 Gov't Lot (If applicable)	Facility IDLicense/Permit/Monitoring No.34/002420
$NE_{1/4}$ of $NW'_{1/4}$ of Sec. 27; TN; R. 2(	Street Address of Well
	City, Village, or Town
$ \underbrace{ \text{Incal Grid Origin} } \\ (estimated: \Box) \text{ or Well Location} \\ \Box \\ (estimated: \Box) \\ ($	Milwaukee
	Present Well Owner Original Owner
Lat Long or	Street Address or Route of Owner
<u>St. Plane</u> ft. Nft. E. 🗌 🔲 Zone	
Reason For Abandonment WI Unique Well No.	City, State, Zip Code
Completed SImpling of Replacement Well	
(3) WELL/DRILLHOLE/BOREHOLE INFORMATION	(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIA
Original Construction Date 10/17/2001	Pump & Piping Removed? 🔲 Yes 🗌 No 📈 Not Applicable
Monitoring Well	Liner(s) Removed? Yes No X Not Applicable
If a Well Construction Report	Screen Removed? Yes No Not Applicable
Borehole / Drillhole is available, please attach.	
Construction Type:	Was Casing Cut Off Below Surface? Yes No
Drilled Driven (Sandpoint) Dug	Did Sealing Material Rise to Surface? X Yes No
Other (Specify) Direct Dush	Did Material Settle After 24 Hours? Yes X No
Formation Type:	Bequired Method of Plaging Secting Material
Unconsolidated Formation	
	Screened & Poured Other (Explain)
Total Well Depth (ft.) Casing Diameter (in.)	(Bentonite Chips)
(From groundsurface) Casing Depth (ft.)	Sealing Materials For monitoring wells and
Lower Drillhole Diameter (in.)	Neat Cement Grout monitoring well boreholes onl
Was Well Annular Space Grouted?	Sand-Cement (Concrete) Grout
	Clay Sand Slurry (11 lb /gal wt)
It Yes, Io What Depth? Feet	Bentonite-Sand Shury "" Bentonite - Cement Gro
Depth to Water (Feet)	Bentonite Chins Bentonite - Sand Slurry
(5) Material Used To Fill Well/Drillhole	From (Ft.) To (Ft.) Sacks Sealant One) Or Mud Weight
	Surface ) /
pentonite Chips	
]	
(6) Comments:	
(7) Name of Person or Firm Doing Sealing Work Date of Abandon	ment
Kitson Environmental 110/17/20	FOR DNR OR COUNTY USE ONLY
Signature of Person Doing Work Date Signed	- Date Received Noted By
Cit From (0+M, Inc.) 1/4/02	Comments
Street or Route	
-277 5. Helenville Koll (720)617-2010	

# APPENDIX C

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I

# **Analytical** Reports



October 31, 2001

Eric Frauen O & M, Inc. 5635 N. Shore Drive Whitefish Bay, WI 53217

RE: P & G

Dear Eric Frauen

Enclosed are the results of analyses for sample(s) received by the laboratory on October 19, 2001. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Pala

Andrea Stathas **Project Manager** 



O & M, Inc.		Project:	P&G		Sampled:	10/17/01
5635 N. Shore Drive		Project Number:	730-101701		Received:	10/19/01
Whitefish Bay, WI 53217		Project Manager:	Eric Frauen		Reported:	10/31/01 14:15
		ANALYTICAI	L REPORT FOR SAM	IPLES:		· · · · · · · · · · · · · · · · · · ·
Sample Description		Laboratory Sam	ple Number	Sample Matrix		Date Sampled
SB-5/1 5'	-	W110183-01		Soil (WI)		10/17/01
SB-5/1 20'		W110183-02		Soil (WI)		10/17/01
SB-5/2 5'		W110183-03		Soil (WI)		10/17/01
SB-5/2 15'		W110183-04		Soil (WI)		10/17/01
SB-5/3 5'		W110183-05		Soil (WI)		10/17/01
SB-5/3 15'		W110183-06		Soil (WI)		10/17/01
SB-5/4 5'		W110183-07	- 	Soil (WI)		10/17/01
SB-5/4 15'		W110183-08		Soil (WI)		10/17/01
SS-4/1 4'		W110183-09	-	Soil (WI)		10/17/01
SS-11/1 4'		W110183-10		Soil (WI)	• .	10/17/01
SS-14/1 4'	n n n n n n n n n n n n n n n n n n n	W110183-11		Soil (WI)		10/17/01
SS-6/1 4'		W110183-12		Soil (WI)		10/17/01
SS-11/2 1'		W110183-13		Soil (WI)		10/17/01
SS-11/3 1'		W110183-14		Soil (WI)		10/17/01
SS-11/4 1'	•	W110183-15		Soil (WI)		10/17/01
SS-4/2 1'		W110183-16		Soil (WI)		10/17/01
SS-4/3 1'	 بر ا	W110183-17		Soil (WI)		10/17/01
SS-4/4 1'		W110183-18		Soil (WI)		10/17/01
SS-6/2 1'		W110183-19		Soil (WI)		10/17/01
SS-6/3 1'		W110183-20		Soil (WI)		10/17/01

Great Lakes Analytical--Oak Creek

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



#### Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

O & M, Inc.	Projec	: P&G		Sampled:	10/17/01
5635 N. Shore Drive	Project Number	: 730-101701		Received:	10/19/01
Whitefish Bay, WI 53217	Project Manager	: Eric Frauen	·	Reported:	10/31/01 14:15

## ANALYTICAL REPORT FOR SAMPLES:

Sample Description	· · · · · · · · · · · · · · · · · · ·	Laboratory Sample Number	Sample Matrix	Date Sampled
SS-6/4 1'		W110183-21	Soil (WI)	10/17/01
SS-14/2 1'		W110183-22	Soil (WI)	10/17/01
SS-14/3 1'		W110183-23	Soil (WI)	10/17/01
SS-14/4 1'		W110183-24	Soil (WI)	10/17/01

Great Lakes Analytical--Oak Creek

Andrea Stathas, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



-	,					
O & M, Inc.		Project:	P&G	 Sampled:	10/17/01	
5635 N. Shore Drive	,	Project Number:	730-101701	Received:	10/19/01	
Whitefish Bay, WI 53217	· · · · · · · · · · · · · · · · · · ·	Project Manager:	Eric Frauen	Reported:	10/31/01 14:15	

## Petroleum Volatile Organic Compounds (PVOC) by Method 8021B Great Lakes Analytical-Oak Creek

· · · · · · · · · · · · · · · · · · ·		Batch	Date	Date	Surrogate	Reporting			
Analyte		Number	Prepared	Analyzed	Limits	Limit	Result	Units	Notes*
				W71104	93 01			0.9.000	<b>C14</b>
<u>DB-7/1_7'</u> Bongono		1100070	10/24/01	10/24/01	<u>52-WI.</u>	50.0	2620		<u>G12</u>
Denzene Ethylhongono		1100079	10/24/01	10/24/01 #		50.0	2030	ug/kg dry	
Etnyidenzene Mathul tant hutul athan						50.0	3000		
Teluene						50.0	1/9		
1 2 4 Trimethylbergene			"			50.0	- 0890		
1,2,4-1 Filmethylbenzene						50.0	7210	-14	
Total Valance			<b>"</b>	"		50.0	2490		
Sumographic L CL 4 EP (DID)		"	"	"	80.0.120	50.0	809U		
Surrogate: 1-CI-4-FB (FID)	•				80.0-120		03.4	70	
<u>SB-5/1 20'</u>				<u>W11018</u>	33-02			Soil (WI)	
Benzene		1100079	10/24/01	10/24/01		25.0	ND	ug/kg dry	
Ethylbenzene	-		<b>H</b> (1997)	•		25.0	ND		
Methyl tert-butyl ether		"	<b>H</b>	•		25.0	ND	10	
Toluene		"	"	#		25.0	ND	R.	
1,2,4-Trimethylbenzene				"		25.0	ND	18	
1,3,5-Trimethylbenzene		"		"		25.0	ND	<b>H</b>	
Total Xylenes			"	"		25.0	ND		
Surrogate: 1-Cl-4-FB (PID)		"	"	"	80.0-120		75.8	%	04
1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 19						. •			
<u>SB=5/2_5'</u>	1.47			<u>W11018</u>	<u>33-03</u>			<u>Soil (WI)</u>	
Benzene		1100079	10/24/01	10/24/01		25.0	74.9	ug/kg dry	
Ethylbenzene						25.0	30.7	*1	
Methyl tert-butyl ether		"		"		25.0	ND	**	
Toluene		"	"			25.0	170	99	
1,2,4-Trimethylbenzene			"			25.0	ND	**	
1,3,5-Trimethylbenzene		"	•	"		25.0	ND	**	
Total Xylenes		"		H .		25.0	89.7	**	
Surrogate: 1-Cl-4-FB (PID)		"	"	"	80.0-120		71.4	%	04
<u>SB-5/2_15'</u>				<u>W11018</u>	<u>3-04</u>			<u>Soil (WI)</u>	
Benzene		1100079	10/24/01	10/24/01		25.0	ND	ug/kg dry	· · ·
Ethylbenzene		11	"	"		25.0	ND	<b>,                                    </b>	
Methyl tert-butyl ether		Ħ	"	ta	•	25.0	ND		
Toluene		11	"	"		25.0	ND	••	
1,2,4-Trimethylbenzene		11	•			25.0	ND	••	
1,3,5-Trimethylbenzene		**				25.0	ND	, tr	
Total Xylenes		H .				25.0	ND	**	
Surrogate: 1-Cl-4-FB (PID)		"	"	"	80.0-120		66.4	%	04
<b>.</b>									

Great Lakes Analytical--Oak Creek

Andrea Stathas, Project Manager



O & M, Inc.	Project:	P & G	Sampled:	10/17/01	
5635 N. Shore Drive	Project Number:	730-101701	Received:	10/19/01	
Whitefish Bay, WI 53217	Project Manager:	Eric Frauen	Reported:	10/31/01 14:15	

## Petroleum Volatile Organic Compounds (PVOC) by Method 8021B Great Lakes Analytical--Oak Creek

		Batch	Date	Date	Surrogate	Reporting			
Analyte		Number	Prepared	Analyzed	Limits	Limit	Result	Units	Notes*
<u>SB-5/3_5'</u>				W11018	<u> 33-05</u>			Soil (WI)	
Benzene		1100079	10/24/01	10/24/01		25.0	ND	ug/kg dry	
Ethylbenzene		11	•	11		25.0	ND	"	
Methyl tert-butyl ether		11	•	11	* • · · ·	25.0	ND	"	
Toluene		11	"	"		25.0	ND		
1,2,4-Trimethylbenzene		**	"	H ·		25.0	ND	"	• •
1,3,5-Trimethylbenzene		**	"			25.0	ND		
Total Xylenes		"	"			25.0	ND		
Surrogate: 1-Cl-4-FB (PID)		"	"	"	80.0-120		67.7	%	04
			-	1.00					
SB-5/3 15'				W11018	3-06			Soil (WI)	
Benzene		1100079	10/24/01	10/24/01		25.0	ND	ug/kg dry	
Ethylbenzene		11				25.0	ND	н. Н.	
Methyl tert-butyl ether		"	"			25.0	ND	н	
Toluene		"	11	"		25.0	ND	•	
1.2.4-Trimethylbenzene			"			25.0	ND		
1.3.5-Trimethylbenzene						25.0	ND		
Total Xylenes						25.0	ND	"	
Surrogate: 1-CI-4-FR (PID)		"	"	"	80.0-120	2010	63 3	%	04
							00.0		Ŭ,
SR-5/4 5'				W11018	3-07	۰		Soil (WI)	
Benzene		1100079	10/24/01	10/25/01	<u></u>	25.0	ND	ug/kg dry	
Ethylbenzene		"	"	"		25.0	ND	"	
Methyl tert-butyl ether		"				25.0	ND		
Toluene				н		25.0	ND		
1 2 4-Trimethylbenzene						25.0	ND		
1 3 5-Trimethylbenzene			"	"		25.0	ND	<b>11</b>	
Total Vylenes		**		н		25.0			-
Sumerates 1 (1 4 EP (DID)		"	"	"	80 0 1 20	25.0	ND 92.0	0/	
Surrogale: 1-CI-4-FB (PID)					80.0-120		05.0	70	
				33711010	2 00	•			
<u>SB-5/4 15</u>		1100070	10/24/01	WIIUIA	03- <u>00</u>	05.0			
Benzene		1100079	10/24/01	10/25/01		25.0	ND	ug/kg ary	
Ethylbenzene						25.0	ND		
Methyl tert-butyl ether						25.0	ND		
Toluene		".				25.0	ND		
1,2,4-Trimethylbenzene						25.0	ND		
1,3,5-Trimethylbenzene						25.0	ND		
Total Xylenes	1. ÷					25.0	ND	"	
Surrogate: 1-Cl-4-FB (PID)	1. 	"	"	"	80.0-120		66.6	%	04

Great Lakes Analytical--Oak Creek

\*Refer to end of report for text of notes and definitions.



#### Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

	· · · · · · · · · · · · · · · · · · ·		· · ·			
O & M, Inc.	Project:	P & G		Sampled:	10/17/01	
5635 N. Shore Drive	Project Number:	730-101701		Received:	10/19/01	
Whitefish Bay, WI 53217	Project Manager:	Eric Frauen		Reported:	10/31/01 14:15	

#### Total Metals by EPA 6000/7000 Series Methods Great Lakes Analytical

	Batch	Date	Date	Specific	Reporting			
Analyte	Numbe	r Prepared	Analyzed	Method	Limit	Result	Units	Notes*
				· · · ·				•
<u>SS-11/1_4'</u>			W11018	<u>83-10</u>			Soil (WI)	<u>5</u>
Arsenic	110046	0 10/24/01	10/25/01	EPA 6010B	2.87	ND	mg/kg dry	
Chromium	9 <b></b>		"	EPA 6010B	0.575	10.3		
Lead		<b>.</b>		EPA 6010B	1.15	5.12	"	
<u>SS-6/1 4'</u>			W11018	<u> 33-12</u>			Soil (WI)	<u>5</u>
Arsenic	110046	60 10/24/01	10/25/01	EPA 6010B	2.94	ND	mg/kg dry	
Lead	"	"	H	EPA 6010B	1.18	4.90	"	
SS-11/2 1'			W11018	33-13			Soil (WI)	5
Arsenic	110046	0 10/24/01	10/25/01	EPA 6010B	2.99	ND	mg/kg drv	-
Chromium		"	<b>11</b> .	EPA 6010B	0.599	12.5	"	
Lead	<b>H</b> 1			EPA 6010B	1.20	48.3	•	
SS-11/3_1'	· · ·		<u>W11018</u>	<u>83-14</u>			Soil (WI)	5
Arsenic	110046	50 10/24/01	10/25/01	EPA 6010B	2.98	ND	mg/kg dry	
Chromium	· · · · · · · · · · · · · · · · · · ·	"	"	EPA 6010B	0.597	14.7	"	
Lead	"	11		EPA 6010B	1.19	73.5	"	
88 11/4 11	•		W11019	23_15	•		Soil (WT)	5
<u>33-11/4_1</u>	110046	0 10/24/01	10/25/01		3 00	ND	ma/ka dry	7
Chromium	"	IU/24/01	10/25/01	EPA 6010B	0.617	10.6	mg/kg diy	
Lood		"	"	EFA 6010B	1.23	19.0	"	
Leau				LIKOUIOD	1.25	10,9	· · ·	
SS-6/2 1'		•	W11018	83-19		,	Soil (WI)	5
Arsenic	110046	0 10/24/01	10/25/01	EPA 6010B	2.82	ND	mg/kg dry	-
Lead		"	11	EPA 6010B	1.13	5.00	"	
SS-6/3 1'			<u>W11018</u>	<u> 33-20</u>			Soil (WD)	5
Arsenic	110046	60 10/24/01	10/25/01	EPA 6010B	2.93	ND	mg/kg dry	
Lead			<b>H</b>	EPA 6010B	1.17	5.61	"	
SS_6/A 11			W11019	3-21			Soil (WD)	5
Arsenic	110046	10/24/01	10/25/01	FPA 6010R	2.85	ND	mg/kg dry	
Lead	"	W	"	EPA 6010B	1.14	9.92	" """	

Great Lakes Analytical--Oak Creek

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Andrea Stathas, Project Manager



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O & M, Inc.	Project:	P & G	 · · · · · · · · · · · · · · · · · · ·	Sampled:	10/17/01	
5635 N. Shore Drive	 Project Number:	730-101701		Received:	10/19/01	:
Whitefish Bay, WI 53217	Project Manager:	Eric Frauen	 	Reported:	10/31/01 14:15	

#### Polynuclear Aromatic Compounds by EPA Method 8310 Great Lakes Analytical

	Batch	Date	Date	Specific	Reporting		······································	
Analyte	Number	Prepared	Analyzed	Method	Limit	Result	Units	Notes*
<u> </u>	· · ·				· · · · ·	<del> </del>	· · · · · ·	
<u>SB-5/1 5'</u>			W11018	33-01			Soil (WI)	1,2,5
Acenaphthene	1100464	10/24/01	10/25/01	EPA 8310	119	ND	ug/kg dry	
Acenaphthylene	0.000	**		EPA 8310	238	ND		
Anthracene		**	"	EPA 8310	. 119	ND	**	
Benz (a) anthracene	11 · · ·	11	"	EPA 8310	59.5	ND		
Benzo (a) pyrene		**		EPA 8310	5.95	ND	н	
Benzo (b) fluoranthene	•	н	. 11	EPA 8310	59.5	ND		•
Benzo (ghi) perylene		н		EPA 8310	119	ND		
Benzo (k) fluoranthene		н		EPA 8310	. 119	ND	"	1.1.1
Chrysene	•	H		EPA 8310	119	ND		
Dibenz (a,h) anthracene	**	"	H ,	EPA 8310	5.95	ND		
Fluoranthene	**		"	EPA 8310	119	ND		
Fluorene		H .		EPA 8310	119	ND		
Indeno (1.2.3-cd) pyrene	· ••	"	<b>H</b>	EPA 8310	59.5	ND		
1-Methylnaphthalene	"			EPA 8310	119	134		
2-Methylnaphthalene				EPA 8310	119	209	**	
Naphthalene	e e suje			EPA 8310	119	217		
Phenanthrene				EPA 8310	119	ND	"	
Pyrene				EPA 8310	119	ND	11	
Surrogate: Carbazole	"	"	j #	29-132		84.2	%	
<u>SB=5/2_5'</u>			<u>W11018</u>	<u>3-03</u>			Soil (WI)	<u>1,2,5</u>
Acenaphthene	1100464	10/24/01	10/25/01	ÉPA 8310	117	ND	ug/kg dry	
Acenaphthylene				EPA 8310	235	ND		
Anthracene	<b>H</b> (1997) (1997)	II ·		EPA 8310	117	ND		
Benz (a) anthracene	t0	11	"	EPA 8310	58.7	ND	11	
Benzo (a) pyrene	н -	**		EPA 8310	5.87	ND	19	
Benzo (b) fluoranthene	N .	17		EPA 8310	58.7	ND	12	
Benzo (ghi) perylene	N	**		EPA 8310	117	ND	14	
Benzo (k) fluoranthene	н., .	**		EPA 8310	117	ND	H .	
Chrysene	н.	н		EPA 8310	117	ND	10	
Dibenz (a,h) anthracene	11		0	EPA 8310	5.87	ND	16	
Fluoranthene	n	"		EPA 8310	117	ND	10	
Fluorene	H			EPA 8310	117	ND	11	• .
Indeno (1.2.3-cd) pyrene	91 <sup>- 1</sup>	"	и	EPA 8310	58.7	ND	"	
1-Methylnaphthalene	W .	"	"	EPA 8310	117	ND	н	
2-Methylnaphthalene	11		"	EPA 8310	117	ND	11	
Naphthalene	H ·	"	"	EPA 8310	117	ND	n	
Phenanthrene	17	"	"	EPA 8310	117	ND	н .	
					•			

Great Lakes Analytical--Oak Creek

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O & M. Inc.			Proiect:	P&G	·	<u>e renie i i i i i i i i i i i i i i i i i i</u>	Sampled	10/17/01	
5635 N. Shore Drive		Proi	ect Number:	730-10170	)1		Received.	10/19/01	
Whitefish Bay, WI 53217		Proie	ct Manager:	Eric Fraue	n		Reported:	10/31/01 14	4:15
	•	Polynucle	ar Aromat	ic Compo	unds by EPA	Method 8310			
* . *			Gre	eat Lakes A	Analytical				
· · · · · · · · · · · · · · · · · · ·					~ 14				
<b>1</b>		Batch	Date	Date	Specific	Reporting		<b></b>	<b>.</b>
Analyte	· .	Number	Prepared	Analyzed	Method	Limit	Result	Units	Notes*
SR-5/2 5' (continued)				W11018	83-03			Sail (WT)	1.2.5
Pyrene		1100464	10/24/01	10/25/01	EPA 8310	117	ND	ug/kg dry	<b></b>
Surrogate: Carbazole		"	"	"	29-132	,	90.9	%	
Burroguie. Curbuzoie	1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 19				27 152			70	
<u>SB-5/3_5'</u>				W11018	83- <u>05</u>			Soil (WI)	1,2,5
Acenaphthene		1100464	10/24/01	. 10/25/01	EPA 8310	113	ND	ug/kg dry	
Acenaphthylene			. 11	"	EPA 8310	227	ND	"	
Anthracene		11 · ·	11		EPA 8310	113	ND	•	X
Benz (a) anthracene					EPA 8310	56.7	ND		
Benzo (a) pyrene		11		н <sub>15 б</sub>	EPA 8310	5.67	ND		
Benzo (b) fluoranthene		"	11	н (11)	EPA 8310	56.7	ND	11	
Benzo (ghi) pervlene	44 (j. 174) 17 (j. 174)	<b>H</b>	H	"	EPA 8310	113	ND	н	
Benzo (k) fluoranthene		"	10	· #	EPA 8310	113	ND	<b>H</b>	
Chrysene			11		EPA 8310	113	ND		
Dibenz (a,h) anthracene		11	16	н	EPA 8310	5.67	ND	11	
Fluoranthene		"	11	"	ÉPA 8310	113	ND	**	
Fluorene		"	18		EPA 8310	113	ND	11	
Indeno (1,2,3-cd) pyrene		<b>n</b> 1			EPA 8310	56.7	ND	17	
1-Methylnanhthalene			11		EPA 8310	113	ND	**	
2-Methylnaphthalene				"	EPA 8310	113	ND	17	
Nanhthalene					EPA 8310	113	ND		· •
Phenanthrene		11			EPA 8310	113	ND		
Durene				. 11	EPA 8310	113	ND		
Surrogate: Carbazole		"		"	29-132	115	76.7	%	
<u>SB-5/4_5'</u>				W <u>11018</u>	<b>33-07</b>			Soil (WI)	1,2,5
Acenaphthene		1100464	10/24/01	10/25/01	EPA 8310	114	ND	ug/kg dry	
Acenaphthylene			10	tt	EPA 8310	229	ND	11	
Anthracene		"		"	EPA 8310	114	ND		
Benz (a) anthracene					EPA 8310	57.1	ND	*	
Benzo (a) pyrene				"	EPA 8310	5.71	ND	11	•
Benzo (b) fluoranthene		"	н	"	EPA 8310	57.1	ND	11	
Benzo (ghi) perylene		"	н	Π.	EPA 8310	114	ND	11	
Benzo (k) fluoranthene		"	11	"	EPA 8310	114	ND	"	
Chrysene			. 11	"	EPA 8310	114	ND	*	
Dibenz (a,h) anthracene				н	EPA 8310	5.71	· ND		
Fluoranthene		"	"	<b>"</b>	EPA 8310	114	ND	11	
Fluorene			"	· H	EPA 8310	114	ND		
Indeno (1,2,3-cd) pyrene			"		EPA 8310	57.1	ND	"	
Fluorene Indeno (1,2,3-cd) pyrene			"		EPA 8310 EPA 8310	114 57.1	ND ND		

Great Lakes Analytical--Oak Creek

\*Refer to end of report for text of notes and definitions.



O & M, Inc.	···· ·	Project:	P & G			Sampled:	10/17/01	
5635 N. Shore Drive	Pro	ject Number:	730-10170	)1		Received:	10/19/01	
Whitefish Bay, WI 53217	Proje	ect Manager:	Eric Fraue	<u>n</u>		Reported:	10/31/01 14:	15
	Polynucle	ear Aromat Gro	tic Compor eat Lakes A	unds by EPA Analytical	Method 8310	-		
	Batch	Date	Date	Specific	Reporting		·	
Analyte	Number	Prepared	Analyzed	Method	Limit	Result	Units	Notes*
SB-5/4 5' (continued)			-W11018	83-07	•		Soil (WD)	1.2.5
1-Methylnaphthalene	1100464	10/24/01	10/25/01	EPA 8310	114	ND	ug/kg dry	
2-Methylnaphthalene	**	"	"	EPA 8310	114	ND	"	
Naphthalene	ů.			EPA 8310	114	ND		
Phenanthrene		9P		EPA 8310	114	ND		
Pyrene		н	*	EPA 8310	114	ND	"	
Surrogate: Carbazole		"	"	29-132		77.3	%	
00.441.41			33/11010	02 00			0-2 010	126
<u>SS-4/1_4'</u>	1100464	10/04/01	W11013	5 <u>2-02</u>	100		Soll (W1)	
Acenaphthene	1100464	10/24/01	10/25/01	EPA 8310	109	ND	ug/kg dry	
Acenaphthylene				EPA 8310	219	ND		
Anthracene				EPA 8310	109	ND		
Benz (a) anthracene	17	• • • •		EPA 8310	54.7	ND	"	
Benzo (a) pyrene	17	"		EPA 8310	5.47	ND		
Benzo (b) fluoranthene		11		EPA 8310	54.7	ND	"	
Benzo (ghi) perylene	**			EPA 8310	109	ND		
Benzo (k) fluoranthene		"		EPA 8310	109	ND	11	
Chrysene	"	<b>H</b>		EPA 8310	109	ND	11	
Dibenz (a,h) anthracene	11			EPA 8310	5.47	ND	11 .	
Fluoranthene	11			EPA 8310	109	ND		
Fluorene	11	11	•	EPA 8310	109	ND	18	
Indeno (1,2,3-cd) pyrene	**	11	**	EPA 8310	54.7	ND	ti -	
1-Methylnaphthalene	H	17		EPA 8310	109	ND	W .	
2-Methylnaphthalene	· 9	11	н	EPA 8310	109	ND	11	
Naphthalene	11	11	. 11	EPA 8310	109	ND	H	
Phenanthrene	ų	11		EPA 8310	109	ND	ti .	
Pyrene	11	11		EPA 8310	109	ND	*1	
Surrogate: Carbazole	"	"	<b>n</b> ,	29-132		87.6	%	
SS 11/1 A!		1	W11019	23-10			Soil (WD)	125
A conceptitions	1100464	10/24/01	10/25/01	EDA 8210	115	ND		لحربشوك
Accomptibulance	1100404	10/24/01 #	10/23/01 #	EFA 0310	220		"	
Acchaptingiene	"			ETA 0310	250		"	
Anthracene Demo (a) anthracene				EFA 0310	113			
Benz (a) anthracene			"	EFA 0310	37.3 575			
Benzo (a) pyrene				EFA 8310	5./5			
Benzo (b) Iluoranthene				EPA 8310	57.5	ND		·
Benzo (ghi) perylene				EPA 8310	115	ND		
Benzo (k) fluoranthene				EPA 8310	115	ND		
Chrysene				EPA 8310	115	ND		

Great Lakes Analytical--Oak Creek

Andrea Stathas, Project Manager



O & M, Inc.			Project:	P&G			Sampled:	10/17/01	
5635 N. Shore Drive	e di	Proj	ect Number:	730-10170	1		Received:	10/19/01	
Whitefish Bay, WI 53217		Proje	ect Manager:	Eric Fraue	n	1	Reported:	10/31/01 14	1:15
• •		Polynucle	ear Aromat	ic Compou	Inds by EPA I	viethod 8310	,		
			Gre	at Lakes A	Maryucar				
<b></b>		Batch	Date	Date	Specific	Reporting			
Analyte		Number	Prepared	Analyzed	Method	Limit	Result	Units	Notes*
<u>I maryto</u>		1 (0111001	Tioparoa	111111/200	Mounou	Chint	ICodult	Cinto	110103
<u>SS-11/1_4' (continued)</u>				W11018	<u>13-10</u>			<u>Soil (WI)</u>	1,2,5
Dibenz (a,h) anthracene		1100464	10/24/01	10/25/01	EPA 8310	5.75	ND ·	ug/kg dry	
Fluoranthene			11		EPA 8310	115	ND	• <u>1</u>	
Fluorene		н.		"	EPA 8310	115	ND	11	
Indeno (1,2,3-cd) pyrene		н :	11		EPA 8310	57.5	ND	W. S. S.	
1-Methylnaphthalene		n	**	"	EPA 8310	115	ND	H .	1 - A
2-Methylnaphthalene		17	11		EPA 8310	115	ND	л	
Naphthalene		11	н ,		EPA 8310	115	ND	9 .	
Phenanthrene		41			EPA 8310	115	ND	R .	
Pyrene	-	11	**	- <b>.</b> #	EPA 8310	115	ND	11	
Surrogate: Carbazole		<b>#</b>	"	"	29-132		80.1	%	
00 144 4				33/11010	NO 11			0.11.010	105
<u>55-14/1 4'</u>		1100464	10/04/01	10/06/01		100	<b>8</b> 20	5011 (WI)	5,4,1
Acenaphthene		1100464	10/24/01	10/20/01	EPA 8310	108	750	ug/kg d <b>ry</b>	
Acenaphthylene		··· ·			EPA 8310	215	ND		
Anthracene					EPA 8310	108	242		
Benz (a) anthracene		*			EPA 8310	53.8	286		
Benzo (a) pyrene	ι.				EPA 8310	5.38	326		
Benzo (b) fluoranthene					EPA 8310	53.8	288		
Benzo (ghi) perylene		а. 			EPA 8310	108	211	" . ·	
Benzo (k) fluoranthene		"			EPA 8310	108	189	"	
Chrysene	•				EPA 8310	108	351		- · ·
Dibenz (a,h) anthracene					EPA 8310	5.38	58.1		
Fluoranthene		H i			EPA 8310	108	779		
Fluorene		H			EPA 8310	108	ND		
Indeno (1,2,3-cd) pyrene			"	**	EPA 8310	53.8	182		
1-Methylnaphthalene			"	"	EPA 8310	108	273		
2-Methylnaphthalene		"	H		EPA 8310	108	ND		
Naphthalene			11	"	EPA 8310	108	ND		· .
Phenanthrene			• 11	**	EPA 8310	108	527	"	
Pyrene		**	**	"	EPA 8310	108	776		
Surrogate: Carbazole		"		"	29-132		NR	%	
SS 6/1 AI				W11019	3_17			Soil (WD)	1 2 5
<u>DD-U(1 4</u> A conceptitions		1100464	10/24/01	10/26/01	FPA 8310	118	ND	ug/kg dry	<u> تربغوا</u>
A cenanhthulene		1100404	10/27/01	10/20/01 #	FPA 8310	235		" "	
Anthropene		н	11		FPA 8310	110			
Dang (a) anthroas					EPA 8210	<b>20 0</b>			
Benze (a) anthracene		н		n -	EFA 0310	J0.0 5 00			
Benzo (a) pyrene					ELU 0210	3.00			

Great Lakes Analytical--Oak Creek



O & M, Inc.	Project:	P & G	Sampled:	10/17/01
5635 N. Shore Drive	Project Number:	730-101701	Received:	10/19/01
Whitefish Bay, WI 53217	Project Manager:	Eric Frauen	Reported:	10/31/01 14:15

## Polynuclear Aromatic Compounds by EPA Method 8310 Great Lakes Analytical

	Batch	Date	Date	Specific	Reporting			······
Analvie	Number	Prepared	Analyzed	Method	Limit	Result	Units	Notes*
SS-6/1_4' (continued)			W11018	13- <u>12</u>			Soil (WI)	1,2,5
Benzo (b) fluoranthene	1100464	10/24/01	10/26/01	EPA 8310	58.8	ND	ug/kg dry	
Benzo (ghi) perylene	"			EPA 8310	118	ND	"	
Benzo (k) fluoranthene	<b>H</b> .		•	EPA 8310	118	ND	H .	
Chrysene	"	"	•	EPA 8310	118	ND	**	
Dibenz (a,h) anthracene	<b>H</b> 22	"	•	EPA 8310	5.88	ND	"	
Fluoranthene				EPA 8310	118	ND		
Fluorene		н .	•	EPA 8310	118	ND	**	
Indeno (1,2,3-cd) pyrene			•	EPA 8310	58.8	ND		
1-Methylnaphthalene	"			EPA 8310	118	ND	н.,	
2-Methylnaphthalene	"			EPA 8310	118	ND	"	
Naphthalene	"	"		EPA 8310	118	ND	11	
Phenanthrene	"			EPA 8310	118	ND	"	
Pyrene				EPA 8310	118	ND		
Surrogate: Carbazole	"	"	"	29-132		85.4	%	
0								
SS-11/2 1'			W11018	3-13			Soil (WI)	1.2.5
Acenaphthene	1100464	10/24/01	10/26/01	EPA 8310	120	ND	ug/kg dry	
Acenaphthylene		"		EPA 8310	240	ND	"	
Anthracene	U C	"		EPA 8310	120	ND	"	
Benz (a) anthracene	1. S. H. S.	"		EPA 8310	59.9	ND	"	
Benzo (a) pyrene			•	EPA 8310	5.99	ND		
Benzo (b) fluoranthene		"		EPA 8310	59.9	ND		
Benzo (ghi) perylene				EPA 8310	120	ND		
Benzo (k) fluoranthene				EPA 8310	120	ND		
Chrysene	<b>n</b> - 1997			EPA 8310	120	ND	•	
Dibenz (a,h) anthracene	"	"	•	EPA 8310	5.99	ND		
Fluoranthene	"	"		EPA 8310	120	ND		
Fluorene	"	"		EPA 8310	120	ND		
Indeno (1,2,3-cd) pyrene		"		EPA 8310	59.9	ND		
1-Methylnaphthalene			•	EPA 8310	120	ND		
2-Methylnaphthalene	. "	<b>H</b>	"	EPA 8310	120	ND	<b>H</b> '	
Naphthalene	11	"		EPA 8310	120	ND		
Phenanthrene		"	"	EPA 8310	120	ND		
Pyrene	"			EPA 8310	120	ND	<b>II</b> .	
Surrogate: Carbazole	"	"	n	29-132		41.6	%	
SS-11/3 1'			W <u>11018</u>	3-14			<u>Soil (WI)</u>	1,2,5
Acenaphthene	1100464	10/24/01	10/26/01	EPA 8310	119	ND	ug/kg dry	

Great Lakes Analytical--Oak Creek

\*Refer to end of report for text of notes and definitions.



O & M, Inc.			Project:	P&G	· · · · · · · · · · · · · · · · · · ·		Sampled:	10/17/01	
5635 N. Shore Drive		Pro	ject Number:	730-10170	)1		Received:	10/19/01	*.
Whitefish Bay, WI 53217		Proj	ect Manager:	Eric Fraue	n		Reported:	10/31/01 14:15	
N N		· · · ·		~					· · · · ·
		Polynucl	ear Aromat	ic Compo	unds by EPA N	1ethod 8310			-
			Gre	eat Lakes A	Analytical	•			
· · · · · · · · · · · · · · · · · · ·		Batch	Date	Date	Specific	Reporting		·	
Analyte		Number	Prepared	Analyzed	Method	Limit	Result	I Inits	Notes*
maryte			Tropurou	111111/200	Wiethiod		Result	Olitis	Holes
SS-11/3_1' (continued)				W1101	<u>83-14</u>			Soil (WI)	1,2,5
Acenaphthylene		1100464	10/24/01	10/26/01	EPA 8310	239	ND	ug/kg dry	
Anthracene			"	**	EPA 8310	119	ND	11	
Benz (a) anthracene		)H	"	"	EPA 8310	59.7	ND	н	
Benzo (a) pyrene		. **	"	"	EPA 8310	5.97	18.0		
Benzo (b) fluoranthene			н .	n	EPA 8310	59.7	ND	11	
Benzo (ghi) perylene		H .	"	H .	EPA 8310	119	ND	"	
Benzo (k) fluoranthene		11	11	"	EPA 8310	119	ND		
Chrysene		11	"	н.	EPA 8310	119	ND		
Dibenz (a,h) anthracene		**	"	"	EPA 8310	5.97	ND		
Fluoranthene		**	11	19	EPA 8310	119	ND	11 ×	
Fluorene		17	"	11	EPA 8310	119	ND	<b>H</b> = 1 = 1	÷ .
Indeno (1.2.3-cd) pyrene				н .	EPA 8310	59.7	ND	<b>H</b>	· .
1-Methylnaphthalene			11	97 .	EPA 8310	119	ND		
2-Methylnaphthalene		18	"	n	EPA 8310	119	ND		
Nanhthalene			"		EPA 8310	119	ND	"	
Phenanthrene			11	11	EPA 8310	119	ND	"	
Pyrene				**	EPA 8310	119	ND	11	
Surrogate: Carbazole		"	"	"	29-132		57.6	%	
<u>SS-11/4_1'</u>				<u>W11018</u>	83-15	a de la compañía de l Compañía de la compañía de la compañí		Soil (WI)	1,2,5
Acenaphthene		1100464	10/24/01	10/26/01	EPA 8310	123	ND	ug/kg dry	
Acenaphthylene		"	IT	"	EPA 8310	247	ND	11	
Anthracene		11	н	H ·	EPA 8310	123	ND	11	
Benz (a) anthracene			11	"	EPA 8310	61.7	ND	11	
Benzo (a) pyrene		"	11	"	EPA 8310	6.17	ND	11	
Benzo (b) fluoranthene		**	11	'n	EPA 8310	61.7	ND	11	
Benzo (ghi) pervlene		n	н	"	EPA 8310	123	ND	н ,	
Benzo (k) fluoranthene			м		EPA 8310	123	ND	"	
Chrysene			**	11	EPA 8310	123	ND	u -	
Dibenz (a,h) anthracene			17	"	EPA 8310	6.17	ND	11	
Fluoranthene				· N	EPA 8310	123	ND	"	
Fluorene		89		"	EPA 8310	123	ND		
Indeno (1.2.3-cd) pyrene		11		"	EPA 8310	61.7	ND		
1-Methylnanhthalene		11		"	EPA 8310	123	ND	H	
2-Methylnaphthalene		Ħ	**	"	EPA 8310	123	ND	"	
Nanhthalene	•	11	11	11	EPA 8310	123	ND	11 - 11 - 11 - 11 - 11 - 11 - 11 - 11	
Dhananthranc			н ,		FPA 8310	123		11	
r nenanunene Durana		н	11 -	"	FPA 8310	123	ND	11	
I YICHC					2111 0210	125			

Great Lakes Analytical--Oak Creek

20 el Andrea Stathas, Project Manager



## Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

O & M, Inc. 5635 N. Shore Drive		Proj	Project: ect Number:	P&G 730-10170	1		Sampled: Received:	10/17/01 10/19/01	
Whitefish Bay, WI 53217		Proje	ect Manager: ear Aroma Gr	tic Compore tic Lakes A	n unds by EPA Analytical	Method 8310	Reported:	_10/31/01 14:	15
· [		Batch	Date	Date	Specific	Reporting	ی مربع م	<u> </u>	
Analyte		Number	Prepared	Analyzed	Method	Limit	Result	Units	Notes*
<u>SS-11/4_1' (continued)</u>				W11018	33-15			Soil (WI)	1,2,5
Surrogate: Carbazole		1100464	10/24/01	10/26/01	29-132		70.0	%	
SS-4/2 1'				W11018	3-16			Soil (WI)	1.2.5
Acenaphthene		1100464	10/24/01	10/26/01	EPA 8310	116	ND	ug/kg dry	
Acenaphthylene			N	11	EPA 8310	232	ND	"	
Anthracene				11	EPA 8310	116	ND	11	
Benz (a) anthracene			11	"	EPA 8310	58.1	ND	99. ·	
Benzo (a) pyrene	4. <sup>3</sup>	"	"	<b>.</b>	EPA 8310	5.81	ND	11	
Benzo (b) fluoranthene			H .		EPA 8310	58.1	ND	"	
Benzo (ghi) pervlene			"		EPA 8310	116	ND	11	
Benzo (k) fluoranthene		. 11	11		EPA 8310	116	ND	10	
Chrysene			u .		EPA 8310	116	ND	. 11	
Dibenz (a h) anthracene				•	EPA 8310	5.81	ND	tr .	
Fluoranthene	1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 -		. 11		EPA 8310	116	ND	"	
Fluorene			n		EPA 8310	116	ND	11	
Indeno (1 2 3-cd) pyrene			"		EPA 8310	58.1	ND		
1-Methylnanbthalene					EPA 8310	116	ND	"	
2-Methylnaphthalene			"		EPA 8310	116	ND	<b>n</b> .	
Nonhtholene			11		EPA 8310	116	ND		
Dhenanthrane			11		EPA 8310	116	ND	11 .	
Purene			. 11		EPA 8310	116	ND	11	
Surrogata: Carbazola			"	"	29-132	110	656	%	
Burroguie. Curbuzoie				(*···	27 102		05.0		
<u>SS=4/3_1'</u>				<u>W11018</u>	3 <u>-17</u>			<u>Soil (WI)</u>	1,2,5
Acenaphthene		1100464	10/24/01	10/26/01	EPA 8310	117	ND	ug/kg dry	
Acenaphthylene		•	n	"	EPA 8310	234	ND	"	
Anthracene			11		EPA 8310	117	ND	11	
Benz (a) anthracene		**		"	EPA 8310	58.4	ND	"	
Benzo (a) pyrene	•	**	81	11	EPA 8310	5.84	ND		
Benzo (b) fluoranthene			8		EPA 8310	58.4	ND	"	
Benzo (ghi) perylene		11	#	"	EPA 8310	117	ND	"	
Benzo (k) fluoranthene		11	**	"	EPA 8310	117	ND	11	
Chrysene		11	н 	"	EPA 8310	117	ND		
Dibenz (a,h) anthracene		"		11	EPA 8310	5.84	ND	••	
Fluoranthene		**	"	н	EPA 8310	117	ND	•	1940 - S.
Fluorene			H .		EPA 8310	117	ND	н ,	
Indeno (1,2,3-cd) pyrene			11	<u>н</u>	EPA 8310	58.4	ND		
1-Methylnaphthalene		"	"	"	EPA 8310	117	ND	••	

Great Lakes Analytical--Oak Creek

Andrea Stathas, Project Manager



## Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

O & M, Inc. 5635 N. Shore Drive Whitefish Bay, WI 53217		Proj Proje	Project: ect Number: ect Manager:	P & G 730-10170 Eric Fraue	)1 n		Sampled: Received: Reported:	10/17/01 10/19/01 10/31/01 14	:15
	Pe	olynucle	ear Aroma Gr	tic Compo eat Lakes A	unds by EPA Analytical	Method 8310			
	В	atch	Date	Date	Specific	Reporting			
Analyte	<u> </u>	umber	Prepared	Analyzed	Method	Limit	Result	Units	Notes*
SS-4/3 1' (continued)				W11018	33-17	· · ·		Soil (WI)	1.2.5
2-Methylnaphthalene	1	100464	10/24/01	10/26/01	EPA 8310	117	ND	ug/kg dry	
Naphthalene				"	EPA 8310	117	ND	"	
Phenanthrene			"	"	EPA 8310	117	ND		
Pvrene	"		"	"	EPA 8310	117	ND		
Surrogate: Carbazole	"		"	"	29-132		81.2	%	
55 414 11				W11010	07 10			0-11 (WD)	107
<u>88-4/4</u> 1 <sup>°</sup>	• • •	100464	10/24/01	10/26/01	52-18 EDA 9210	114		Soll(WI)	1,2,5
Acenaphthene	1.	100464	10/24/01	10/20/01	EPA 8310	114	ND	ug/kg dry	
Acenaphtnylene					EPA 8310	227	ND ·		
Anthracene					EPA 8310	114	ND		
Benz (a) anthracene					EPA 8310	56.8	ND		
Benzo (a) pyrene					EPA 8310	5.68	ND		
Benzo (b) fluoranthene					EPA 8310	56.8	ND		
Benzo (ghi) perylene					EPA 8310	114	ND		
Benzo (k) fluoranthene				·."	EPA 8310	114	ND		
Chrysene					EPA 8310	114	ND		
Dibenz (a,h) anthracene			"		EPA 8310	5.68	ND		
Fluoranthene					EPA 8310	114	ND	"	
Fluorene					EPA 8310	114	ND		
Indeno (1,2,3-cd) pyrene					EPA 8310	56.8	ND		
1-Methylnaphthalene					EPA 8310	114	ND		
2-Methylnaphthalene					EPA 8310	114	ND		
Naphthalene	· "				EPA 8310	114	ND		
Phenanthrene		`	"	"	EPA 8310	114	ND		
Pyrene	"		"	"	EPA 8310	114	ND	"	
Surrogate: Carbazole					29-132		82.1	%	
SS-6/2_1'		,		W <u>1101</u> 8	13- <u>19</u>			<u>Soil (WI)</u>	1.2.5
Acenaphthene	1	100464	10/24/01	10/26/01	EPA 8310	113	ND	ug/kg dry	
Acenaphthylene	**				EPA 8310	226	ND	"	
Anthracene	"		Ħ	"	EPA 8310	113	ND	**	•
Benz (a) anthracene	"		Ħ	H	EPA 8310	56.5	ND	**	•
Benzo (a) pyrene	· · ·		"		EPA 8310	5.65	ND	•	
Benzo (b) fluoranthene	. "		"	**	EPA 8310	56.5	ND	"	
Benzo (ghi) perylene	· 11		Ц		EPA 8310	113	ND	"	
Benzo (k) fluoranthene	•		"	"	EPA 8310	113	ND	"	
Chrysene			"	н	EPA 8310	113	ND	"	
Dibenz (a,h) anthracene	11		"	н.	EPA 8310	5.65	ND	"	

Great Lakes Analytical--Oak Creek

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Andrea Stathas, Project Manager



## Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

O & M, Inc.		Project:	P&G		· · · · · · · · · · · · · · · · · · ·	Sampled:	10/17/01	
5635 N. Shore Drive	Proj	ect Number:	730-10170	1		Received:	10/19/01	
Whitefish Bay, WI 53217	Proj	ect Manager:	Eric Fraue	n		Reported:	10/31/01 14:	15
• • •	Polynucle	ear Aroma Gr	tic Compou eat Lakes A	unds by EPA N Analytical	Method 8310			
Anal-ta	Batch	Date	Date	Specific Method	Reporting	Depult	IInito	Noto
	Nullibei	riepareu	Allalyzeu	Method		Kesuit	Units	Note
<u>SS-6/2_1' (continued)</u>			W11018	33-19			Soil (WI)	1,2,5
Fluoranthene	1100464	10/24/01	10/26/01	EPA 8310	113	ND	ug/kg dry	•
Fluorene		"		EPA 8310	113	ND	"	
Indeno (1,2,3-cd) pyrene		"		EPA 8310	56.5	ND		
1-Methylnaphthalene		"		EPA 8310	113	ND		
2-Methylnaphthalene				EPA 8310	113	ND	<b>H</b> .	
Naphthalene	"		"	EPA 8310	113	ND		
Phenanthrene	"	<b>H</b> (1)	"	EPA 8310	113	ND		
Pyrene		- 11	"	EPA 8310	113	ND		
Surrogate: Carbazole	"	"	"	29-132	*	77.0	%	
			11/1 1 0 1 /					
<u>SS-6/3_1'</u>	1100161	10/04/01	<u>W11018</u>	<u>3-20</u>			Soil (WI)	1,2,5
Acenaphthene	1100464	10/24/01	10/26/01	EPA 8310	117	ND	ug/kg dry	
Acenaphthylene	"			EPA 8310	235	ND		
Anthracene	"	71	"	EPA 8310	117	ND	"	
Benz (a) anthracene	t1	н		EPA 8310	58.7	ND	19	
Benzo (a) pyrene	t1		"	EPA 8310	5.87	ND	"	
Benzo (b) fluoranthene	11	11	64	EPA 8310	58.7	ND		
Benzo (ghi) perylene	**	н	**	EPA 8310	117	ND	"	
Benzo (k) fluoranthene	Π.,	11	**	EPA 8310	117	ND		
Chrysene	11	tt -	**	EPA 8310	117	ND	"	
Dibenz (a,h) anthracene	<u>, 11</u>	"		EPA 8310	5.87	ND	"	
Fluoranthene	11	"	"	EPA 8310	117	ND	<b>H</b>	
Fluorene	11	"	"	EPA 8310	117	ND	n	
Indeno (1,2,3-cd) pyrene	н	"	"	EPA 8310	58.7	ND		
1-Methylnaphthalene	"		"	EPA 8310	117	ND	н,	
2-Methylnaphthalene	"		"	EPA 8310	117	ND		
Naphthalene	11		"	EPA 8310	117	ND	"	
Phenanthrene	"		"	EPA 8310	117	ND	"	
Pyrene	"		"	EPA 8310	117	ND		
Surrogate: Carbazole	,,	"	"	29-132		83.0	%	
							0 11 0	
<u>SS-6/4_1'</u>	1100464	10/24/01	W <u>11018</u>	<b>13-21</b>	114	NID	<u>Soil (WI)</u>	1,2,5
Acenaphthene	. 1100404	10/24/01 II	10/20/01	EFA 0310	114		ug/ng ui y "	
Acenaphthylene				EPA 8310	228			
Anthracene				EPA 8310	114	ND		
Benz (a) anthracene	"			EPA 8310	57.0	ND		
Benzo (a) pyrene	"			EPA 8310	5.70	ND		
Benzo (b) fluoranthene	"			EPA 8310	57.0	ND	•	

Great Lakes Analytical--Oak Creek

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\*Refer to end of report for text of notes and definitions.



O & M, Inc.			Project:	P&G			Sampled:	10/17/01	
5635 N. Shore Drive		Pro	ject Number:	730-10170	)]		Received:	10/19/01	
Whitefish Bay, WI 53217	· · · · · · · · · · · · · · · · · · ·	Proj	ect Manager:	Eric Fraue	<u>n</u>		Reported:	10/31/01 14	1:15
		Polynucl	ear Aromat Gre	ic Compo at Lakes A	unds by EPA Analytical	Method 8310			
······································		Batch	Date	Date	Specific	Reporting		· · · ·	
Analyte		Number	Prepared	Analyzed	Method	Limit	Result	Units	Notes*
SS-6/4 1' (continued)				W11019	83-21			Soil (WI)	125
Benzo (ghi) pervlene		1100464	10/24/01	10/26/01	EPA 8310	114	ND	uo/ko drv	للموتشو ال
Benzo (k) fluoranthene		"	"	"	EPA 8310	114	ND	"	
Chrysene		"			EPA 8310	114	ND		
Dihenz (a h) anthracene		u <sup>1</sup>			EPA 8310	5 70	ND	**	
Fluoranthene			11		EPA 8310	114	ND	н	
Fluorene					EFA 8310	114	ND		
Indone (1.2.2 ad) numero	e			"	EPA 8310	57.0	ND	99	
1 Methodosophia					EFA 6510	114			
1-Methylnaphthalene			17		EPA 8310	114			
2-Methylnaphthalene					EPA 8310	114			
Naphthalene					EPA 8310	114	ND		
Phenanthrene					EPA 8310	114	ND		
Pyrene	·				EPA 8310	114	ND		
Surrogate: Carbazole		"			29-132		84.0	%	
<u>SS-14/2_1'</u>				W11018	3-22	:		<u>Soil (WI)</u>	1.3.4.5
Acenaphthene		1100468	10/24/01	10/26/01	EPA 8310	120	ND	ug/kg dry	
Acenaphthylene		"	**	•	EPA 8310	240	ND	н.	
Anthracene				H .	EPA 8310	120	ND	31	
Benz (a) anthracene				11	EPA 8310	59.9	ND	17	
Benzo (a) pyrene				11	EPA 8310	5.99	8.12	**	
Benzo (b) fluoranthene				н	EPA 8310	59.9	ND	11	
Benzo (ghi) pervlene					EPA 8310	120	ND	**	
Benzo (k) fluoranthene			11	11	EPA 8310	120	ND	11	
Chrysene					EPA 8310	120	ND	п	
Dibenz (a h) anthracene				**	EPA 8310	5.99	ND	18	
Fluoranthene		н			EPA 8310	120	ND	н	
Fluorene			12	"	EPA 8310	120	ND	17	
Indeno (1 2 3-cd) pyrene					EPA 8310	50.0	ND	11	
1 Methylpophtholene				н	EPA 8310	120	ND	17	
2 Methylnaphthalana			11		EPA \$210	120			
2-Methymaphimatene					EIA 0310	120		"	
Naphinalene Dhananthana				11	ETA 0310	120			
Phenanthrene				н	EFA 0310	120			
ryrene			"	"	20 122	120	ND 74.4	0/	
Surrogate: Carbazole				н. — — — — — — — — — — — — — — — — — — —	29-132		/0.0	70	
SS-14/3 1'				W11018	3-23	•		<u>Soil (WI)</u>	1.3.4.5
Acenaphthene		1100468	10/24/01	10/26/01	EPA 8310	116	ND	ug/kg dry	· · · · · · · · · · · · · · · · · · ·
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Great Lakes Analytical--Oak Creek

Andrea Stathas, Project Manager



O & M, Inc.	Project:	P&G		Sampled:	10/17/01	·
5635 N. Shore Drive	Project Number:	730-101701		Received:	10/19/01	
Whitefish Bay, WI 53217	Project Manager:	Eric Frauen		Reported:	10/31/01 14:15	

## Polynuclear Aromatic Compounds by EPA Method 8310 Great Lakes Analytical

Analyte         Number         Prepared         Analyzed         Method         Limit         Result         Units         N           SS-14/3_1' (continued)         W110183-23         Soil (WI)         1         1           Anthracene         1100468         10/24/01         10/26/01         EPA 8310         116         ND         ug/kg dry           Benz (a) anthracene         "         "         "         EPA 8310         58.1         111         "           Benzo (a) pyrene         "         "         "         EPA 8310         58.1         134         "           Benzo (b) fluoranthene         "         "         "         EPA 8310         58.1         125         "           Benzo (ghi) perylene         "         "         "         EPA 8310         116         ND         "	lotes*
SS-14/3 1' (continued)       W110183-23       Soil (WI)       1         Anthracene       1100468       10/24/01       10/26/01       EPA 8310       116       ND       ug/kg dry         Benz (a) anthracene       "       "       "       EPA 8310       58.1       111       "         Benzo (a) pyrene       "       "       "       EPA 8310       5.81       134       "         Benzo (b) fluoranthene       "       "       "       EPA 8310       58.1       125       "         Benzo (ghi) perylene       "       "       "       EPA 8310       116       ND       "	,3,4,5
SS-14/3 1' (continued)       W110183-23       Soil (WI)       1         Anthracene       1100468       10/24/01       10/26/01       EPA 8310       116       ND       ug/kg dry         Benz (a) anthracene       "       "       EPA 8310       58.1       111       "         Benzo (a) pyrene       "       "       EPA 8310       5.81       134       "         Benzo (b) fluoranthene       "       "       EPA 8310       58.1       125       "         Benzo (ghi) perylene       "       "       EPA 8310       116       ND       "	,3,4,5
Anthracene       1100468       10/24/01       10/26/01       EPA 8310       116       ND       ug/kg dry         Benz (a) anthracene       "       "       EPA 8310       58.1       111       "         Benzo (a) pyrene       "       "       EPA 8310       5.81       134       "         Benzo (b) fluoranthene       "       "       EPA 8310       58.1       125       "         Benzo (ghi) perylene       "       "       EPA 8310       116       ND       "	
Benz (a) anthracene       "       "       EPA 8310       58.1       111       "         Benzo (a) pyrene       "       "       EPA 8310       5.81       134       "         Benzo (b) fluoranthene       "       "       EPA 8310       58.1       125       "         Benzo (ghi) perylene       "       "       EPA 8310       116       ND       "	
Benzo (a) pyrene       "       "       EPA 8310       5.81       134       "         Benzo (b) fluoranthene       "       "       EPA 8310       58.1       125       "         Benzo (ghi) perylene       "       "       EPA 8310       116       ND       "	
Benzo (b) fluoranthene         "         "         EPA 8310         58.1         125         "           Benzo (ghi) perylene         "         "         EPA 8310         116         ND         "	
Benzo (ghi) perylene " " EPA 8310 116 ND "	
Benzo (k) fluoranthene " " EPA 8310 116 ND "	
Chrysene " " EPA 8310 116 146 "	
Dibenz (a,h) anthracene " " EPA 8310 5.81 20.2 "	
Fluoranthene " " " EPA 8310 116 148 "	
Fluorene " " " EPA 8310 116 ND "	
Indeno (1.2.3-cd) pyrene " " EPA 8310 58.1 74.7 "	
1-Methylnaphthalene " " " EPA 8310 116 ND "	
2-Methylnaphthalene " " " EPA 8310 116 ND "	
Naphthalene " " " EPA 8310 116 141 "	
Phenanthrene " " " EPA 8310 116 141 "	
Pvrene " " " EPA 8310 116 <b>206</b> "	
Surrogate: Carbazole " " " 29-132 100 %	
<u>SS-14/4_1'</u> W110183-24 Soil (WI) 1	3,4,5
Acenaphthene 1100468 10/24/01 10/26/01 EPA 8310 118 ND ug/kg dry	
Acenaphthylene " " EPA 8310 235 ND "	
Anthracene " " " EPA 8310 118 ND "	
Benz (a) anthracene " " " EPA 8310 58.8 ND "	
Benzo (a) pyrene " " " EPA 8310 5.88 ND "	
Benzo (b) fluoranthene " " " EPA 8310 58.8 ND "	
Benzo (ghi) perylene " " " EPA 8310 118 ND "	
Benzo (k) fluoranthene " " " EPA 8310 118 ND "	
Chrysene " " " EPA 8310 118 ND "	
Dibenz (a,h) anthracene " " " EPA 8310 5.88 ND "	•
Fluoranthene " " " EPA 8310 118 ND "	
Fluorene " " " EPA 8310 118 ND "	
Indeno (1.2.3-cd) pyrene " " " EPA 8310 58.8 ND "	
1-Methylnaphthalene """ EPA 8310 118 ND "	
2-Methylnaphthalene " " " EPA 8310 118 ND "	
Naphthalene " " " EPA 8310 118 ND "	
Phenanthrene " " " EPA 8310 118 ND "	
Pyrene " " " EPA 8310 118 ND "	
Surrogate: Carbazole " " " 29-132 58.6 %	<u></u>

Great Lakes Analytical--Oak Creek

\*Refer to end of report for text of notes and definitions.



140 East Ryan Road Oak Creek, Wisconsin 53154

#### Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

O & M, Inc. 5635 N. Shore Drive Whitefish Bay, WI 53217	I Project N Project Ma	Project: P & G umber: 730-101701 anager: Eric Frauen	I I	Sampled: 10/17/01 Received: 10/19/01 Reported: 10/31/01	14:15
		Dry Weight Determinat Great Lakes Analytics	ion al		
Sample Name	Lab ID	Matrix	14 - A	Result	Units
SB-5/1 5'	W110183-0	1 Soil (WI)		84.1	%
SB-5/2 5'	W110183-0	3 Soil (WI)		85.2	%
SB-5/3 5'	W110183-0	5 Soil (WI)		88.2	<b>^</b> %
SB-5/4 5'	W110183-0	7 Soil (WI)	• • •	87.5	%
SS-4/1 4'	W110183-0	9 Soil (WI)		91.4	%
SS-11/1 4'	W110183-1	0 Soil (WI)		87.0	%
SS-14/1 4'	W110183-1	1 Soil (WI)		92.9	%
SS-6/1 4'	W110183-1	2 Soil (WI)		85.0	%
SS-11/2 1'	W110183-1	3 Soil (WI)		83.5	%
SS-11/3 1'	W110183-1	4 Soil (WI)	an an an an an Arthur an Arthur An Arthur An Arthur an Arthur	83.8	%
SS-11/4 1'	W110183-1	5 Soil (WI)		81.0	%
SS-4/2 1"	W110183-1	6 Soil (WI)		86.1	%
SS-4/3 1'	W110183-1	7 Soil (WI)		85.6	%
SS-4/4 1'	W110183-1	8 Soil (WI)		88.1	%
SS-6/2 1'	W110183-1	9 Soil (WI)	, 	88.5	%
SS-6/3 1'	W110183-2	0 Soil (WI)	<b>a</b> ng ang ang ang ang ang ang ang ang ang a	85.2	%
SS-6/4 1'	W110183-2	1 Soil (WI)		87.7	%
SS-14/2 1'	W110183-2	2 Soil (WI)		83.5	%
SS-14/3 1'	W110183-2	3 Soil (WI)	• .	86.0	%

Great Lakes Analytical--Oak Creek

Andrea Stathas, Project Manager



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140 East Ryan Road Oak Creek, Wisconsin 53154

## Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

O & M, Inc. 5635 N. Shore Drive Whitefish Bay, WI 53217	Projec Project Numbe Project Manage	ct: P & G er: 730-101701 er: Eric Frauen	Sampled: Received: Reported:	10/17/01 10/19/01 10/31/01	14:15
	Dr: G	y Weight Determination Great Lakes Analytical			
Sample Name	Lab ID	Matrix	 	Result	Units
SS-14/4 1'	W110183-24	Soil (WI)		85.0	%

Great Lakes Analytical--Oak Creek

-0 Andrea Stathas, Project Manager



O & M, Inc.	Project: P & C	G Sample	d: 10/17/01
5635 N. Shore Drive	Project Number: 730-1	01701 Receive	d: 10/19/01
Whitefish Bay, WI 53217	Project Manager: Eric I	Frauen Reporte	d: 10/31/01 14:15

## Petroleum Volatile Organic Compounds (PVOC) by Method 8021B/Quality Control Great Lakes Analytical-Oak Creek

	Date	Spike	Sample	QC	I	Reporting Limit	Recov.	RPD	RPD	
Analyte	 Analyzed	Level	Result	Result	Units	Recov. Limits	%	Limit	%	Notes*
Batch: 1100079	Date Prepa	red: 10/2	4/01		Extract	ion Method: E	PA 5030I	B [MeO]	HI	
Blank	1100079-B	LK1							_,	
Benzene	10/24/01			ND	ug/kg di	ry 25.0				
Ethylbenzene	n			ND	11	25.0				
Methyl tert-butyl ether	•			ND	11	25.0				*
Toluene	"			ND	11	25.0				
1.2.4-Trimethylbenzene	<b>H</b> 2			ND	u	25.0				
1.3.5-Trimethylbenzene	"			ND	"	25.0				
Total Xylenes				ND	H .	25.0				
Surrogate: 1-Cl-4-FB (PID)	 "	1000		878	"	80.0-120	87.8			
LCS	11000 <b>79-</b> B	S1								
Benzene	10/24/01	1000		869	ug/kg di	v 80.0-120	86.9			
Ethylbenzene	"	1000		897	11	80.0-120	89.7			
Methyl tert-butyl ether		1000		877	11	80.0-120	87.7			
Toluene	**	1000		885	te	80.0-120	88.5			•
1 2 4-Trimethylbenzene	11	1000		918	11	80.0-120	91.8			
1.3.5-Trimethylbenzene	° <b>u</b>	1000	•	908	11	80.0-120	90.8			
Total Xylenes	11	3000		2760	te	80.0-120	92.0			
Surrogate: 1-Cl-4-FB (PID)	 "	1000	· · · · · · · · ·	930	н	80.0-120	93.0		·····	<u></u>
I CS Due	1100070_R	SD1								
LCS Dup	10/24/01	1000		951	ua/ka di	w 80 0_120	95.1	20.0	0.01	
Ethylhogono	10/24/01	1000		057	ug/ kg ui	.y 80.0-120 80.0-120	05 7	20.0	6.47	
Euryidenzene Mathul tart hutul athan	**	1000		997	11	80.0-120	99.7	20.0	0.47	
Tohumo	**	1000		060	11	80.0-120	96.0	20.0	0.082 8 13	
1 2 4 Trimethylbenzen		1000		966	n	80.0-120	96.6	20.0	5 10	
1,2,4-1 filleulyidenzene	"	1000		900	te	80.0-120	90.0 Q5 Q	20.0	5.10	
Total Vulonas	"	3000		2040	11	80.0-120	99.9	20.0	632	
I Utal Aylettes	 "	1000		050	"	80.0-120	05.0	20.0	0.52	
Surrogate: 1-CI-4-I'D (PID)		1000		939		00.0-120	yJ.Y			

Great Lakes Analytical--Oak Creek

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Andrea Stathas, Project Manager



O & M, Inc.		Project:	P & G			Sa	mpled:	10/17/01		
5635 N. Shore Drive	Proje	ct Number:	730-10170	1 .		Red	ceived:	10/19/01	-	
Whitefish Bay, WI 53217	Projec	t Manager:	Eric Fraue	<u>n</u>		Re	ported:	10/31/01	14:15	
	Total Metals b	oy EPA 60 Gre	00/7000 Se at Lakes A	ries Meth Analytical	ods/Quality C	Control				
<u> </u>	Date	Spike	Sample	QC	Repor	ting Limit	Recov.	RPD	RPD	
Analyte	Analyzed	Level	Result	Result	Units Re	cov. Limits	%	Limit	% 1	Notes*
Batch: 1100460	Date Prepa	red: 10/24	01		Extraction N	lethod: El	<u>PA 30501</u>	<u>.</u>		
Blank	1100460-BI	L <b>K1</b> .								
Arsenic	10/25/01			ND	mg/kg dry	2.50			·	
Chromium	1. A			ND	- <b></b>	0.500				
Lead	"			ND	, 14 <b>0</b> - 1	1.00				
LCS	1100460-BS	51								·
Arsenic	10/25/01	106		111	mg/kg dry	90-113	105			
Chromium		200		210	"	85-107	105			
Lead		201		211		84-109	105			
	· . ·		· · · ·							
<u>Matrix Spike</u>	<u>1100460-M</u>	<u>S1 B1</u>	03 <u>10-01</u>		· · · · · · · · · · · · · · · · · · ·					
Arsenic	10/25/01	121	ND	97.6	mg/kg dry	59-120	80.7			
Chromium	"	228	13.6	206	".	69-110	84.4			
Lead	•	230	5.22	196	11	52-125	82.9			
Matrix Spike Dup	<u>1100460</u> -M	SD1 B11	0310-01	· .						
Arsenic	` 10/25/01	118	ND	93.5	mg/kg dry	59-120	79.2	17	4.29	
Chromium	"	222	13.6	197	11	69-110	82.6	10	4.47	
Lead	"	223	5.22	186		52-125	81.1	14	5.24	

Great Lakes Analytical--Oak Creek

U Andrea Stathas, Project Manager



O & M, Inc.	Project:	P & G	······································	Sampled:	10/17/01	
5635 N. Shore Drive	Project Number:	730-101701		Received:	10/19/01	
Whitefish Bay, WI 53217	Project Manager:	Eric Frauen	· · · · ·	Reported:	10/31/01 14:15	

## Polynuclear Aromatic Compounds by EPA Method 8310/Quality Control Great Lakes Analytical

· ·		Date	Spike	Sample	QC	F	<b>Reporting</b> Limit	Recov.	RPD	RPD
Analyte		Analyzed	Level	Result	Result	Units	Recov. Limits	%	Limit	% Notes*
Botoh: 1100464		Data Dra	rad. 10/2	1/01		Evtra of	ion Mathada E	) A 25501	2	
Datch: 1100404		1100/6/ DI	ucui 10/2: [ K1	7(VI		LALCAC	don Method: E	LA 3330	<u>u</u> ,	
Diallik A canonbihana		10/25/01			NT	no/ka d	TV 100			
Acchaphinene		" IU/2J/UI				ug/Kg Cl "	Ly 100			
Acenaphtnylene		**	•				200			
Anthracene					ND.	· · ·	100			
Benz (a) anthracene					ND		50.0			
Benzo (a) pyrene					ND		5.00	•		
Benzo (b) fluoranthene					ND		50.0			:
Benzo (ghi) perylene					ND		100			
Benzo (k) fluoranthene	· · ·				ND	. "	100			
Chrysene		. "			ND		100			
Dibenz (a,h) anthracene					ND		5.00			i ay
Fluoranthene		"			ND		100			an a
Fluorene					ND		100			
Indeno (1,2,3-cd) pyrene		Ħ			ND	11	50.0			
1-Methylnaphthalene		11			ND		100			
2-Methylnaphthalene		"			ND	11	100			
Naphthalene		11			ND	11	100			
Phenanthrene		. 11			ND	11	100			
Pyrene		11			ND	11	100	- 12 - 14 		
Surrogate: Carbazole		"	16.3		13.9	"	29-132	85.3		
1.00		1100464 54	21							
		10/05/01	<u>र</u> ्ष्				- 20.0 100	107		
Acenaphthene		10/25/01	00.3		ND	ug/kg di	ry 30.8-120	107		
Acenaphthylene			00.3	· · ·	ND	**	38.9-158	113		
Anthracene		" .	66.3		ND	"	32.9-122	94.3		
Benz (a) anthracene		"	66.3		97.4	"	40.5-125	147		•
Benzo (a) pyrene		"	66.3		92.0	"	31.2-128	139		
Benzo (b) fluoranthene		"	66.3		86.4	<b>H</b>	45-132	130		
Benzo (ghi) perylene		"	66.3		191	- 11	38.7-137	NR		1 - 1 - 1 -
Benzo (k) fluoranthene		н	66.3		ND	11	53.4-125	101		
Chrysene		11	66.3		123	11	46.5-129	186		
Dibenz (a,h) anthracene		•	66.3		100	11	42.8-134	151		
Fluoranthene		"	66.3		ND	11	37.1-116	127		
Fluorene		н	66.3		ND	. <b>11</b>	40.8-108	89.9		
Indeno (1,2,3-cd) pyrene		"	66.3		69.6	<b>II</b>	51-115	105		
1-Methylnaphthalene		. "	66.3		ND	11	28.9-99.1	98.5		
2-Methylnanhthalene		"	66.3	. 1	ND	11	28.9-102	108		
Nanhthalene	-	11	66.3		ND	- 11	22.7-116	124		
raphthalene			00.0							

Great Lakes Analytical--Oak Creek

Andrea Stathas, Project Manager

\*Refer to end of report for text of notes and definitions.

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O & M, Inc.	Project:	P & G	Sample	d: 10/17/01
5635 N. Shore Drive	Project Number:	730-101701	Receive	d: 10/19/01
Whitefish Bay, WI 53217	Project Manager:	Eric Frauen	Reporte	d: 10/31/01 14:15

## Polynuclear Aromatic Compounds by EPA Method 8310/Quality Control Great Lakes Analytical

<b></b>	Date	Spike	Sample	OC		Reporting Limit	Recov.	RPD	RPD
Analyte	Analyzed	Level	Result	Result	Units	Recov. Limits	%	Limit	% Notes*
	*								
LCS (continued)	1100464-BS	1							
Phenanthrene	10/25/01	66.3		ND	ug/kg o	iry 29.5-123	150		
Pyrene	11	66.3	- ·	33200000	- 11	44.5-118	NR		
Surrogate: Carbazole		16.6		15.4	"	29-132	<i>92.</i> 8		···•
Matrix Snike	1100464-MS	S1 1	B110304-02						· ·
Acenaphthene	10/25/01		ND	ND	ug/kg o	irv 10-154	16.5		
Acenaphthylene	H	77.4	ND	ND	"	10-176	42.4		
Anthracene		77.4	ND	ND	"	10-114	77.0		•
Benz (a) anthracene		77.4	ND	73.1		10-118	78.0		
Benzo (a) pyrene		77.4	16.8	64.5	"	10-133	61.6		
Benzo (b) fluoranthene		77.4	ND	61.6		10-126	39.3		
Benzo (ghi) pervlene		77.4	ND	121		10-103	156		
Benzo (k) fluoranthene	W manager of	77.4	ND	ND	· · · · · ·	10-112	49.5		
Chrysene	•	77.4	ND	ND	· •	10-121	101	•	
Dibenz (a,h) anthracene	11	77.4	ND	66.1	: <b>H</b>	13.9-101	85.4		
Fluoranthene		77.4	ND	ND	- 11	10-123	76.5		
Fluorene		77.4	ND	ND		10-144	59.1		
Indeno (1.2.3-cd) pyrene	19	77.4	ND	ND	11	10-103	59.6		
1-Methylnaphthalene	11	77.4	ND	ND	"	10-113	66.9		
2-Methylnaphthalene	11	77.4	ND	ND	· •	10.6-108	94.6		
Naphthalene	11	77.4	ND	ND		10-132	73.3		
Phenanthrene		77.4	ND	144	"	10-130	179		
Pvrene		77.4	ND	200	ана <b>н</b> астана.	10-145	NR		
Surrogate: Carbazole	11	19.4		20.1	"	29-132	104		
Madela Orilla Davi	1100464 84	201 1	D110204 03						
Matrix Spike Dup	100404-MI	<u>201</u>	<u>D110304-02</u>			10.154	0.71		0.00
Acenaphthene	10/25/01	70.9	ND		ug/kg c	iry 10-154	8./1	00.4	9.98
Acenaphthylene		/0.9	ND	ND		10-176	11.8	65.7	29.4
Anthracene		/6.9		ND		10-114	61.8	67.1	22.6
Benz (a) anthracene		/6.9	ND	67.6		10-118	71.4	57.8	7.82
Benzo (a) pyrene		/0.9	10.8	60.2		10-133	50.4	54.5	6.90
Benzo (b) fluoranthene	"	/6.9	ND	ND		10-126	33.3	51.9	8.11
Benzo (ghi) perylene		76.9	ND	ND		10-103	144	65.9	8.62
Benzo (k) fluoranthene		76.9	ND	ND		10-112	47.4	59.3	4.23
Chrysene		76.9	ND	ND		10-121	91.4	65.2	8.87
Dibenz (a,h) anthracene	17	76.9	ND	63.3		13.9-101	82.3	49.8	4.33
Fluoranthene		76.9	ND	ND		10-123	63.1	58.7	14.0
Fluorene		76.9	ND	ND		10-144	51.8	53.9	11.8

Great Lakes Analytical--Oak Creek

\*Refer to end of report for text of notes and definitions.



O & M, Inc.		Project:	P&G	-		Sa	mpled:	10/17/01		
5635 N. Shore Drive	Projec	t Number:	730-10170	1		Re	ceived:	10/19/01		
Whitefish Bay, WI 53217	Projec	t Manager:	Eric Frauer	n		Rej	ported:	<u>10/31/01</u>	14:15	
Dohm	ualaan Arama	tie Com	ounds by T	DA Math	ad 9310/0	wality Cantr	al ·			
Folyn	uclear Aroma	uie Comp	ounus by r	nalytical	100 9310/Q	uanty Contro	01			
		GIG	cal Lakes A	maryucar	•					
	Date	Snike	Sample	00	Re	norting Limit	Recov	RPD	RPD	-
Analyte	Analyzed	Level	Result	Result	Units	Recov. Limits	%	Limit	M D %	Notes*
M <u>atrix Spike Dup (continued)</u>	1100464-M	SD1 <u>B1</u>	10304-02			· .				
Indeno (1,2,3-cd) pyrene	10/25/01	76.9	ND	ND	ug/kg dry	10-103	55.7	55.8	7.42	
1-Methylnaphthalene		76.9	ND	ND	."	10-113	55.1	75.1	13,4	
2-Methylnaphthalene	*	76.9	ND	ND		10.6-108	66.2	94.5	24.0	
Naphthalene	. <b>.</b> .	76.9	ND	ND	"	10-132	58.8	62.5	13.1	
Phenanthrene		76.9	ND	ND	"	10-130	128	57.4	32.3	
Pyrene	11 A.	76.9	ND	187		10-145	NR	56.6	6.72	
Surrogate: Carbazole	"	19.2		15.9		29-132	82.8			
Batch: 1100468	Date Prepa	red: 10/24	/01		Extractio	n Method: El	PA 3550	R		
Blank	1100468-BI	.K1			<u> </u>			*		
Acenanhthene	10/25/01			ND	uo/ko dru	100				
A cenanbthylene	H			ND		200				
Anthracene	"			ND		100				
Benz (a) anthracene				ND	н	50.0				
Benzo (a) nurene				ND		5 00				
Benzo (h) fluoranthene	H			ND		50.00				
Benzo (obi) pervlene	. <b>H</b>	۰.		ND		100				
Benzo (k) fluoranthene			•	ND		100				
Chrysone				ND		100				
Dihang (a h) anthropping				ND		5.00				
Dibenz (a,n) anthracene	"					5.00				
Fluorantnene				ND		100				
Fluorene				ND		100				
Indeno (1,2,3-cd) pyrene				ND		50.0				
	ан <sup>н</sup> ан айтаан <b>н</b>		,	ND	Н	100				
2-Methylnaphthalene				ND		100				
Naphthalene				ND		100				
Phenanthrene				ND		100				
Pyrene		15.0		ND		100				
Surrogate: Carbazole	"	17.0		14.9	"	29-132	87.0			
LCS	1100468-BS	1.								
Acenaphthene	10/25/01	66.0	,	61.2	ug/kg dry	30.8-120	92.7			
Acenaphthylene	**	66.0		62.8	"	38.9-158	95.2			
Anthracene	11	66.0		56.8	11	32.9-122	86.1			
Benz (a) anthracene	<b>H</b> (1997)	66.0		91.6	"	40.5-125	139			
Benzo (a) pyrene	<b>H</b>	66.0		86.2	м ,	31.2-128	131			
Benzo (b) fluoranthene	11	66.0		81.5	"	45-132	123			
Benzo (ghi) perylene		66.0		182	н	38.7-137	NR			

Great Lakes Analytical--Oak Creek

G

\*Refer to end of report for text of notes and definitions.



O & M, Inc.	Project: P & G	Sampled: 10/17/01
5635 N. Shore Drive	Project Number: 730-101701	Received: 10/19/01
Whitefish Bay, WI 53217	Project Manager: Eric Frauen	Reported: 10/31/01 14:15

#### Polynuclear Aromatic Compounds by EPA Method 8310/Quality Control Great Lakes Analytical

		Date	Spike	Sample	00	Re	porting Limit	Recov	RPD	RPD
Analyte		Analyzed	Level	Result	Result	Units	Recov. Limits	%	Limit	% Notes*
L				<u> </u>						
LCS (continued)		1100468-B	<u>51</u>							
Benzo (k) fluoranthene		10/25/01	66.0		63.5	ug/kg dry	53.4-125	96.2		
Chrysene		× H	66.0		115	"	46.5-129	174		
Dibenz (a,h) anthracene		11	66.0		92.6	· •	42.8-134	140		
Fluoranthene		H .	66.0		73.4		37.1-116	111		
Fluorene		10	66.0		51.9	"	40.8-108	78.6		
Indeno (1,2,3-cd) pyrene		10	66.0		67.1		51-115	102		
1-Methylnaphthalene	•	н	66.0		56.6		28.9-99.1	85.8		·
2-Methylnaphthalene		**	66.0		63.5	"	28.9-102	96.2		
Naphthalene			66.0		73.0	"	22.7-116	. 111		
Phenanthrene		14	66.0		92.7		29.5-123	140		
Pyrene		"	66.0		47.4		44.5-118	71.8		
Surrogate: Carbazole			16.5		12.1	"	29-132	73.3		
Matrix Spike		<u>1100468-M</u>	<u>S1</u> W1	<u>10183-22</u>						
Acenaphthene		10/25/01	81.2	18.1	73.6	ug/kg dry	10-154	68.3	•	
Acenaphthylene			81.2	ND	78.5	"	10-176	94.9		
Anthracene		н с	81.2	3.92	62.4		10-114	72.0		· · · ·
Benz (a) anthracene			81.2	8.13	84.2	"	10-118	93.7		
Benzo (a) pyrene			81.2	8.12	71.8	"	10-133	78.4		
Benzo (b) fluoranthene	1.1	н	81.2	9.16	70.0	. <b>.</b>	10-126	74.9		
Benzo (ghi) perylene			81.2	7.24	127	н .	10-103	147		
Benzo (k) fluoranthene			81.2	ND	54.6	11	10-112	67.2		
Chrysene			81.2	11.2	106	, H	10-121	117		
Dibenz (a,h) anthracene			81.2	ND	76.1	11	13.9-101	93.7		
Fluoranthene		11	81.2	19.5	83.5	н	10-123	78.8		
Fluorene	а. 1. А. Х.		81.2	ND	60.9	н	10-144	73.7		
Indeno (1,2,3-cd) pyrene		"	81.2	ND	49.8	11	10-103	61.3		
1-Methylnaphthalene	н <sup>14</sup> м.		81.2	4.87	72.8	н .	10-113	83.7		
2-Methylnaphthalene			81.2	10.4	81.4		10.6-108	87.4		
Naphthalene		н	81.2	4.36	96.8	"	10-132	114		
Phenanthrene	<b>.</b> .	-11	81.2	21.5	112	"	10-130	111		
Pvrene			81.2	18.6	225	11	10-145	NR		
Surrogate: Carbazole		"	20.3		17.8	#	29-132	87.7		
<b>C</b>										
Matrix Spike Dup		<u>1100468-M</u>	<u>SD1 W1</u>	<u>101</u> 83-22						
Acenaphthene		10/26/01	81.8	18.1	73.5	ug/kg dry	10-154	67.7	66.4	0.136
Acenaphthylene			81.8	ND	52.0	11	10-176	61.8	65.7	40.6
Anthracene			81.8	3.92	65.1	"	10-114	74.8	67.1	4.24
		,								

Great Lakes Analytical--Oak Creek

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\*Refer to end of report for text of notes and definitions.



O & M, Inc.	Project:	P&G	Sampled:	10/17/01	
5635 N. Shore Drive	Project Number:	730-101701	Received:	10/19/01	
Whitefish Bay, WI 53217	Project Manager:	Eric Frauen	Reported:	10/31/01 14:15	

## Polynuclear Aromatic Compounds by EPA Method 8310/Quality Control Great Lakes Analytical

	Date	Spike	Sample	QC	Re	porting Limit	Recov.	RPD	RPD	
Analyte	Analyzed	Level	Result	Result	Units	Recov. Limits	%	Limit	<u>%</u> N	lotes*
Matrix Spike Dup (continued)	1100468-M	SD1 W	10183-22		· · ·					
Benz (a) anthracene	10/26/01	81.8	8.13	83.2	ug/kg dry	10-118	91.8	57.8	1.19	
Benzo (a) pyrene		81.8	8.12	69.9		10-133	75.5	54.5	2.68	
Benzo (b) fluoranthene	"	81.8	9.16	66.3		10-126	69.9	51.9	5.43	
Benzo (ghi) perylene	_ <b>"</b>	81.8	7.24	111		10-103	127	65.9	13.4	
Benzo (k) fluoranthene	**	81.8	ND	51.0		10-112	62.3	59.3	6.82	
Chrysene	"	81.8	11.2	108	· • •	10-121	118	65.2	1.87	
Dibenz (a,h) anthracene	, e <b>u</b> e	81.8	ND	64.9	H	13.9-101	79.3	49.8	15.9	
Fluoranthene		81.8	19.5	79.7	н	10-123	73.6	58.7	4.66	
Fluorene	"	81.8	ND	59.3		10-144	71.2	53.9	2.66	
Indeno (1,2,3-cd) pyrene		81.8	ND	47.7		10-103	58.3	55.8	4.31	
1-Methylnaphthalene	11	81.8	4.87	68.6		10-113	77.9	75.1	5.94	
2-Methylnaphthalene	"	81.8	10.4	80.1		10.6-108	85.2	94.5	1.61	
Naphthalene	"	81.8	4.36	97.2		10-132	113	62.5	0.412	
Phenanthrene	"	81.8	21.5	135		10-130	139	57.4	18.6	
Pyrene		81.8	18.6	50.6	"	10-145	39.1	56.6	127	
Surrogate: Carbazole	"	20.5		19.4	"	29-132	94.6			

Great Lakes Analytical--Oak Creek Andrea Stathas, Project Manager



## Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

O & M, Ir 5635 N. S Whitefish	nc. hore Drive Bay, WI 53217	Project: P & Project Number: 730 Project Manager: Eri	2 G )-101701 c Frauen	Sampled: Received: Reported:	10/17/01 10/19/01 10/31/01 14:15
		( Notes	and Definitions		
#	Note				
G12	The reporting limit of this sam	ple/analyte is elevated due	to sample matrix and/or	other effects.	
O4	The recovery for this analyte is	s below the laboratory's est	ablished acceptance crite	ria.	
1	The recovery of one or more a established acceptance criteria	nalytes in the laboratory co . Refer to the included QC	ntrol QC (BS/BSD) asso reports for more detail.	ciated with this sample is abo	we the laboratory's
2	The recovery of one or more a acceptance criteria. Refer to the second s	nalytes in the matrix QC (M he included QC reports for	IS/MSD) associated with more detail.	n this sample is below the lab	oratory's established
3	The recovery of one or more a acceptance criteria. Refer to the	nalytes in the matrix QC (M he included QC reports for	AS/MSD) associated with more detail.	this sample is above the lab	oratory's established
4	The relative percent difference laboratory's established accept	e (RPD) of one or more ana ance limits. Refer to the in	lytes in the matrix QC (M cluded QC reports for me	IS/MSD) associated with this ore detail.	sample is above the
DET	Analyte DETECTED				
ND	Analyte NOT DETECTED at	or above the reporting limit		- -	
NR	Not Reported				
dry	Sample results reported on a d	ry weight basis			
Recov.	Recovery				
RPD	Relative Percent Difference				
5	This sample was analyzed by (	Great Lakes Analytical in B	uffalo Grove, Illinois, W	DNR certification # 9999171	60.

Great Lakes Analytical--Oak Creek

Andrea Stathas, Project Manager



# CHAIN OF CUSTODY REPORT

1⊈ \_\_\_\_\_sct \_\_\_\_\_way\_\_\_\_ Buffalo Grove, IL 60089-4505 (847) 808-7766 FAX (847) 808-7772 

Client: O+M, Inc	Bill To: Lori Sillinger	TAT: 5 DAY 4 DAY 3 DAY 2 DAY 1 DAY < 24 HRS.
Address: 5635 N. Shore Dr.	Address: 450 Montbrack Ln.	DATE RESULTS NEEDED: Standard
Whitefish Bay, WI 53217	Knoxville, TN	TEMPERATURE UPON RECEIPT:
Report to: Eric Frauen Fax #: (4)463-6210	State & U   Phone #: ( ) Program: Fax #: ( )	Deliverable Package Needed:
Project: P + C-	# of Bottles	SAMPLE
Sampler: Fric Francen &	R 4 Preservative Osed 5 0 X SANALYS	IS / / CONTROL
PO/Quote #: 130-101701		
FIELD ID, LOCATION / <sup>ବ</sup> ିଟି / <sup>ଛି</sup> ଟି	<u> </u>	/ SS/\$3/88/ ID NUMBER
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CHAIN OF CUSTODY REPORT

1 usc way Buffalo Grove, IL 60089-4505 (847) 808-7766 FAX (847) 808-7772. F

E. Soa Oak Creek, WI 53154 (414) 570-9460 FAX (414) 570-9461

Client: O4-M	Bill To: Lori	Sillinger	TAT: 5 DAY 4 DAY 3 DAY 2	DAY 1 DAY < 24 HRS.
Address: 5635 N. Shore D	C. Address:	J	DATE RESULTS NEEDED:	
White Fish Bay, WI 532	7		TEMPERATURE UPON RECEIP	т. <u>ICE</u>
Report to: Eric Frake, Fax #: (14)963-621	State & Z Program:	Phone #: ( ) Fax #: ( )	Deliverable Package Needed:	Other
Project: PPC-		t of Bottles	s           SAN	IPLE /
Sampler: Eric France 81	R 4 T		ANALYSIS / CON	TROL
PO/Quote #: 730-101701	De la	8 8 8 8 8 8 8	3/TNSPE	LABORATORY
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CHAIN OF CUSTODY REPORT

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<u>Client: 09M</u>		Bill To: Lor:	Silli	1901	<u></u>	<u>T: 5 DAY 4 DAY 3 DAY 2 I</u>	DAY 1 DAY < 24 HRS.
Address: 5635 N. St	iore Dr.	Address: 457	> Mon	Horook.	Ln DA	TE RESULTS NEEDED:	
White Fish Bay	101 53217	Knoxu	ille T	N	TEN	IPERATURE UPON RECEIPT:	14
Report to: Eric Fraum Fax #:	449963-6210 (449963-6210	State & Program:	, F	Phone #: ( ) Fax #: ( )	Dei I 🗆	liverable Package Needed: STD □III A □IIIB □O	ther
Project: P+C-			# of Bottles	18/1	1 1 8/1	////SAME	
Sampler: Eric Frau.	en lal		Preservative Use		ANAMSIS		ROL
PO/Quote # 730-101701					V/ C/TOPE/		ð/
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November 1, 2001

Eric Frauen O & M, Inc. 5635 N. Shore Drive Whitefish Bay, WI 53217

RE: P & G

**Dear Eric Frauen** 

Enclosed are the results of analyses for sample(s) received by the laboratory on October 19, 2001. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



#### Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

O & M, Inc.	Project:	P & G	· · · ·	Sampled:	10/18/01
5635 N. Shore Drive	Project Number:	730-101701		Received:	10/19/01
Whitefish Bay, WI 53217	Project Manager:	Eric Frauen		Reported:	11/1/01 10:04

# ANALYTICAL REPORT FOR SAMPLES:

Sample Description		Laboratory Sample Number	Sample Matrix	Date Sampled
Garage 1		W110185-01	Soil (WI)	10/18/01
Basement Tank		W110185-02	Soil (WI)	10/18/01
MW-2		W110185-03	Water	10/18/01
MW-3		W110185-04	Water	10/18/01
MW-1		W110185-05	Water	10/18/01
MW-4		W110185-06	Water	10/18/01
Sewer East		W110185-07	Water	10/18/01
Sewer West	-	W110185-08	Water	10/18/01

Great Lakes Analytical--Oak Creek

Andrea Stathas, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



#### Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

•				
O & M, Inc.	Project:	P & G	Sampled:	10/18/01
5635 N. Shore Drive	Project Number:	730-101701	Received:	10/19/01
Whitefish Bay, WI 53217	Project Manager:	Eric Frauen	Reported:	11/1/01 10:04
······································				

#### Diesel Range Organics (DRO) by WDNR DRO Great Lakes Analytical–Oak Creek

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
<u>Garage 1</u> Diesel Range Organics (DRO)	1100068	10/22/01	<b>W11018</b> 10/22/01	8 <b>5-01</b> WDNR DRO	5.97	6.24	<u>Soil (WI)</u> mg/kg dry	T10,T15,T2,T6
<u>Basement Tank</u> Diesel Range Organics (DRO)	1100068	10/22/01	<u>W11018</u> 10/22/01	8 <b>5-02</b> WDNR DRO	5.69	22.9	<b>Soil (WI)</b> mg/kg dry	T10,T15,T6,T8





O & M, Inc. 5635 N. Shore Drive Whitefish Bay, WI 53217	· · · · · · · · · · · · · · · · · · ·	Proj Proje	Project: ect Number: ect Manager:	P & G 730-10170 Eric Fraue	)] m	· · ·	Sampled: Received: Reported:	10/18/01 10/19/01 11/1/01 10:04	· ·
	Petrole	um Vol	atile Organ Great Lal	nic Compo kes Analyt	unds (PVOC) ical—Oak Cre	by Method 802 eek	21B		
	В	atch	Date	Date	Surrogate	Reporting	`		<u> </u>
Analyte	<u>N</u>	umber	Prepared	Analyzed	Limits	Limit	Result	Units	Notes*
<u>MW-2</u>				W11018	<u>85</u> -03			Water	
Benzene	1	100073	10/23/01	10/23/01		0.500	ND	ug/1	
Ethylbenzene	"		"	"		0.500	ND	"	
Methyl tert-butyl ether	11		"	"		0.200	ND.	"	
Toluene	"		"	.0		0.500	ND	"	
1,2,4-Trimethylbenzene	. 11					1.00	ND	"	
1,3,5-Trimethylbenzene			; H	н		1.00	ND	".	
Total Xylenes	11		"	"		0.500	ND		
Surrogate: 1-Cl-4-FB (PID)	"		"	"	80.0-120		96.0	%	
MAN 2				W11019	85-04	·		Water	
NI VY-3	. 1	100072	10/23/01	10/22/01	<u>55-03</u>	0 500	ND	water	
Etherik engene		100075	10/25/01	10/25/01		0.500		ug/1	
Etnylbenzene						0.500			
Methyl tert-butyl ether						0.200	ND		
Toluene						0.500	ND		
1,2,4-Trimethylbenzene					at .	1.00	ND		
1,3,5-Trimethylbenzene					· .	1.00	ND		
Total Xylenes			" ·			0.500	ND		
Surrogate: 1-Cl-4-FB (PID)	"	•	"	"	80.0-120	· ·	103	%	
<u>MW-1</u>				W11018	<u>85-05</u>			Water	
Benzene	1	100073	10/23/01	10/23/01		0.500	ND	ug/l	
Ethylbenzene				"		0.500	ND	11 ->	
Methyl tert-butyl ether			"	"		0.200	ND	"	
Toluene				*		0.500	ND	"	
1.2.4-Trimethylbenzene			"	**		1.00	ND	"	
1.3.5-Trimethylbenzene				- 11		1.00	ND		-
Total Xylenes	÷ • •					0.500	ND	"	
Surrogate: 1-Cl-4-FB (PID)	"		"	"	80.0-120		97.0	%	
NAXI A				W11019	85-06			Water	
MINT -4	. 1	100072	10/22/01	10/22/01	7 <u>7-7</u> 7	0 500	32.1	ng/1	
Denzene F4bylbongono	. 1	1000/3	" "	10/23/01		. 0.500	1 71	ug/1	
Eunyidenzene Mathyl tart bytyl athan			н .			0.300	1./1		
Televere						0.200	2.31		
Loiuene						0.500	37.7 רוע		
1,2,4-1rimethylbenzene			11			1.00			
1,3,3-1 fimethylbenzene						1.00		"	
Total Xylenes		. <u></u>				0.500	3.00		
Surrogate: 1-Cl-4-FB (PID)	. "				80.0-120		yy.U	70	

Great Lakes Analytical--Oak Creek

Andrea Stathas, Project Manager



O & M. Inc.	Project:	P&G	Sampled:	10/18/01
5635 N. Shore Drive	Project Number:	730-101701	Received:	10/19/01
Whitefish Bay, WI 53217	Project Manager:	Eric Frauen	Reported:	11/1/01 10:04
	<u> </u>		· ··· ································	· · · · · · · · · · · · · · · · · · ·

#### WDNR Volatile Organic Compounds by Method 8021 Great Lakes Analytical--Oak Creek

		Batch	Date	Date	Surrogate	Reporting	<del></del>		-
Analyte		Number	Prepared	Analyzed	Limits	Limit	Result	Units	Notes*
									. *
Sewer East				<u>W11018</u>	<u>85-07</u>			Water	<u>G12</u>
Benzene		1100090	10/26/01	10/31/01		5.00	21.3	ug/l	
Bromobenzene				"		5.00	ND	ų	
Bromodichloromethane		- <b>H</b>		11		5.00	ND	11	
n-Butylbenzene		11		11		5.00	7 <b>3.1</b> ′	**	
sec-Butylbenzene		. 11		**		5.00	18.8	**	
tert-Butylbenzene		"				5.00	ND	**	
Carbon tetrachloride			11	11		5.00	ND	11	
Chlorobenzene		11	38	**		5.00	ND	<b>H</b>	
Chloroethane		11	11	11		5.00	ND	<b>11</b>	
Chloroform			11	"		1.40	ND	· •	
Chloromethane			17	"		6.00	ND		
2-Chlorotoluene	· . ·			"		5.00	ND		
4-Chlorotoluene				11		5.00	ND	"	
Dibromochloromethane			"	11		5.00	ND	".	
1,2-Dibromo-3-chloropropane		1 <b>0</b> - 1	. 11	"		3.90	ND	11	
1.2-Dibromoethane		н .	"			3.80	ND	**	
1.2-Dichlorobenzene			"	"		5.00	ND	**	
1.3-Dichlorobenzene		•	"	"		5.00	ND	69	
7.4-Dichlorobenzene						5.00	ND		
Dichlorodifluoromethane				"		5.00	ND	0	•
<b>1.1-Dichloroethane</b>				"		5.00	ND	**	
1.2-Dichloroethane			"			5.00	ND	u	
1.1-Dichloroethene				n		5.00	ND	н	
xis-1.2-Dichloroethene		"	"	•		5.00	ND	н	
trans-1.2-Dichloroethene			"	"		5.00	ND	H	
1.2-Dichloropropane		11	"	"	·	5.00	ND	H	
1.3-Dichloropropane				**		5.00	ND	17	
2 2-Dichloropropane				**		5.00	ND	11	
Di-isopropyl ether		<b>11</b> -	· · •			50.0	ND	H.	
Ethylbenzene		"		**	а. С	5.00	17.9	u	
Hexachlorobutadiene			"	**		50.0	ND	~ 11	
Isopropylbenzene		'n	"	98 - L		5.00	ND	**	
n-Isopropyltoluene		"	"	"		5.00	6.32	"	
Methylene chloride		11				5.30	ND		
Methyl tert-butyl ether		"		11		5.00	ND	ii	
Nanhthalene		"	<b>n</b> .		• · · ·	20.0	393		
n-Pronylhonzono						5.00	9.63	"	
1 1 2 2 Tatrachlarasthans						3 50	ND		
1,1,2,2-1 etrachioroethane		· · · · ·				5.50	ND		

Great Lakes Analytical--Oak Creek



O & M, Inc.		Project:	P & G			Sampled:	10/18/01	
5635 N. Shore Drive	Proj	ect Number:	730-10170	)1		Received:	10/19/01	
Whitefish Bay, WI 53217	Proje	ect Manager:	Eric Fraue	n		Reported:	11/1/01 10:04	
	WDNR							
	Batch	Date	Date	Surrogate	Reporting			
Analyte	Number	Prepared	Analyzed	Limits	Limit	Result	Units	Notes*
Sewer East (continued)	-		W1101	<u>85-07</u>			Water	G12
Tetrachloroethene	1100090	10/26/01	10/31/01		5.00	ND	ug/l	
Toluene		"	"		5.00	77.5	**	
1,2,3-Trichlorobenzene		"	**		20.0	ND	**	
1,2,4-Trichlorobenzene		с. н.	**		20.0	ND	"	
1,1,1-Trichloroethane		"	"		5.00	ND	"	
1,1,2-Trichloroethane	"	"	**		1.60	ND	"	
Trichloroethene	"	"	"		5.00	ND	"	
Trichlorofluoromethane			i ii.		5.00	ND		
1,2,4-Trimethylbenzene	"		, <b>"</b>		10.0	124	"	
1,3,5-Trimethylbenzene		"	W.		10.0	24.3		
Vinyl chloride					1.70	ND		
Total Xylenes		".	<u>н</u> .		5.00	96.9	. ••	

,,

80.0-120

80.0-120

Great Lakes Analytical--Oak Creek

Surrogate: 1-Cl-4-FB (ELCD)

Surrogate: 1-Cl-4-FB (PID)

Andrea Stathas, Project Manager

\*Refer to end of report for text of notes and definitions.

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O & M, Inc.	Project:	P & G		Sampled:	10/18/01
5635 N. Shore Drive	Project Number:	730-101701	· J	Received:	10/19/01
Whitefish Bay, WI 53217	Project Manager:	Eric Frauen	]	Reported:	11/1/01 10:04

# WDNR Volatile Organic Compounds by Method 8021 Great Lakes Analytical–Oak Creek

	Batch	Date	Date	Surrogate	Reporting	•••••••••••••••••••••••••••••••••••••••	······································	
Analyte	Number	Prepared	Analyzed	Limits	Limit	Result	Units	Notes*
			33/11010	05 00			Wedee	C12
Sewer west	1100000	10/26/01	10/21/01	02-00	5.00	E 90	<u>wyater</u>	<u>UI</u>
Benzene	1100090	10/20/01	10/31/01		5.00	3.0U	ug/1	
Bromobenzene					5.00			
Bromodicniorometnane					5.00			
m-Butylbenzene		11			5.00	9.09		
sec-Butylbenzene		н. Н			5.00	0.13		
tert-Butylbenzene		1	н <sup>н</sup> с		5.00	ND		
Carbon tetrachloride					5.00	ND	· .	
Chlorobenzene	"				5.00	ND		
Chloroethane	· <b>·</b> ·	"			5.00	5.92		
Chloroform	"	"	•		1.40	ND		
Chloromethane	"				6.00	ND	"	
2-Chlorotoluene	"	н,			5.00	· ND		
-4-Chlorotoluene		11			5.00	ND		
Dibromochloromethane	. "		**		5.00	ND	"	
1,2-Dibromo-3-chloropropane	"	"	. "		3.90	ND	••	
1,2-Dibromoethane	19 <b>H</b>	**			3.80	ND		
1,2-Dichlorobenzene	λ Π	11			5.00	ND		
1.3-Dichlorobenzene	H 1	11			5.00	ND		
1.4-Dichlorobenzene	"	11			5.00	ND		
Dichlorodifluoromethane	"	"	"	· ·	5.00	ND		
1.1-Dichloroethane	н ,	"	•		5.00	473		
1.2-Dichloroethane	"	**			5.00	ND		
1 1-Dichloroethene					5.00	ND		
cis-1 2-Dichloroethene	"		•		5.00	ND		
trans-1 2-Dichloroethene					5.00	ND		
1 2-Dichloropropage		"			5.00	ND		
1.2 Dichloropropane		"			5.00	ND		
-2.2 Dichloropropane	· •				5.00	ND		
Di isopropul ether					50.0			
_Di-isopropyl etner					5.00		11	
Etnylbenzene					50.0			
Hexachlorobutadiene					50.0			
Isopropylbenzene					5.00			•
p-Isopropyltoluene			. <b>.</b>		5.00	6.75		
Methylene chloride	"				5.30	ND	"	
Methyl tert-butyl ether	11	н 	"		5.00	ND	"	$(a_{k,i})_{i \in \mathbb{N}}$
Naphthalene	94	11	H .	а.	20.0	78.4	11	
n-Propylbenzene		"	11		5.00	ND		
1,1,2,2-Tetrachloroethane	"	. •			3.50	ND	11	

Great Lakes Analytical--Oak Creek

Andrea Stathas, Project Manager



O & M, Inc.		Project:	P & G				Sampled:	10/18/01	
5635 N. Shore Drive	Proj	ect Number:	730-10170	)1			Received:	10/19/01	
Whitefish Bay, WI 53217	Proje	ect Manager:	Eric Fraue	n	-		Reported:	11/1/01 10:04	
T				_					
	WDNR	Volatile O	rganic Con	npounds by	y Method	1 8021			
		Great La	kes Analyt	icalOak (	Creek				
· · · · · · · · · · · · · · · · · · ·	Batch	Date	Date	Surrogate	Re	porting		······	
Analyte	Number	Prepared	Analyzed	Limits		Limit	Result	Units	Notes*
Sowar West (continued)			W11019	85-08			· .	Water	C12
Tetrachloroethene	1100090	10/26/01	10/31/01	02-00	· •	5.00	ND	<u>water</u>	<u>G14</u>
Teluano	1100090	. "	"			5.00	ND	ug/1	
101uene			n,			20.0	ND		
1,2,5-Inchlorobenzene						20.0	ND		
1.1.1 Twichleweathers	"					20.0	ND 117	"	
1,1,1-1 richlono ethane						J.00			
1, 1, 2-1 richloroethane	"					5.00			
I richloroethene						5.00			
						5.00			
1,2,4-1 rimethylbenzene	· · ·					10.0			
1,3,5-Trimethylbenzene						10.0	10.5		
Vinyl chloride						1.70	ND		
Total Xylenes						5.00	14.0	" 	
Surrogate: 1-Cl-4-FB (ELCD)	"	"		80.0-120			108	%	
Surrogate: 1-Cl-4-FB (PID)	"	"	"	80.0-120			103	"	

Great Lakes Analytical--Oak Creek

Andrea Stathas, Project Manager



# Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

O & M, Inc. 5635 N. Shore Drive •Vhitefish Bay, WI 53217	Project: P & G Project Number: 730-101701 Project Manager: Eric Frauen					Sampled: Received: Reported:	10/18/01 10/19/01 11/1/01 10:0	)4
	Dissolv	ved Metals Gro	by EPA 60 eat Lakes A	00/7000 Serie Analytical	s Methods			
Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
MW-2 Lead	1100500	10/26/01	<b>W1101</b> 8 10/26/01	8 <b>5-03</b> EPA 7421	0.00500	ND	<u>Water</u> mg/l	1
<u>MW-3</u> Lead	1100500	10/26/01	<b>W11018</b> 10/26/01	<b>85-04</b> EPA 7421	0.00500	ND	<u>Water</u> mg/i	1
MW-1 Lead	1100500	10/26/01	<b>W1101</b> 8 10/26/01	8 <b>5-05</b> EPA 7421	0.00500	ND	<u>Water</u> mg/l	1
MW-4 Lead	1100500	10/26/01	<b>W11018</b> 10/26/01	8 <b>5-06</b> EPA 7421	0.00500	ND	<u>Water</u> mg/l	1

Great Lakes Analytical--Oak Creek

\*Refer to end of report for text of notes and definitions.



O & M, Inc. 5635 N. Shore Drive Whitefish Bay, WI 53217		Proj Proje	Project: ect Number: ect Manager:	P & G 730-10170 Eric Fraue	1 n	н 11 11		Sampled: Received: Reported:	10/18/01 10/19/01 11/1/01 10:04	
	· · · · · · · · · · · · · · · · · · ·	Polynucle	ear Aromat	ic Compo	unds by EP	PA Me	ethod 8310			
an an an Anna a Anna an Anna an	· · · · ·		Gre	eat Lakes A	Analytical					
		Batch	Date	Date	Specific		Reporting		<u> </u>	
Analyte		Number	Prepared	Analyzed	Method		Limit	Result	Units	Notes*
Garage 1				<u>W11018</u>	<u>85-01</u>				Soil (WI)	1.2.G1.G
Acenaphthene		1100464	10/24/01	10/26/01	EPA 8310		119	ND	ug/kg dry	
Acenaphthylene				11	EPA 8310		239	ND	"	
Anthracene		. 11		N	EPA 8310		119	ND	<b></b>	
Benz (a) anthracene					EPA 8310		59.7	ND		
Benzo (a) pyrene				. 11	EPA 8310		5.97	14.1	•	
Benzo (b) fluoranthene		<b>n</b>			EPA 8310		59.7	ND		
Benzo (ghi) pervlene					EPA 8310		119	ND		
Benzo (k) fluoranthene		"	. 11		EPA 8310		119	ND		
Chrysene					EPA 8310	e da la	119	ND	· •	
Dibenz (a, b) anthracene		' <b>n</b> '		W -	EPA 8310		5.97	16.4	n Harris and Angeleria	
Fluoranthene					EPA 8310		119	ND	N A A A A A A A A A A A A A A A A A A A	· · · ·
Fluorene				. 11	EPA 8310		119	ND	0	
Indeno (1 2 3-cd) pyrene					FPA 8310		59.7	ND		
1 Methylpophtholene					EPA 8310		110	ND		
2 Mathylnaphthalona					ETA 8310		119	ND		
Nanhthalana					EFA 8310		119	ND		
Naphinalene The second bases of					EPA 8310		119			
Phenanthrene					EFA 0310		119	ND		
Pyrene		"		"	EPA 0310		119	ND 82.4	0/	
Surrogate: Caroazole					29-132			02.4	70	
<b>Basement Tank</b>				W11018	<u>35-02</u>				Soil (WI)	<b>1,2,G1,</b> G
Acenaphthene		1100464	10/24/01	10/26/01	EPA 8310		114	ND	ug/kg dry	
Acenaphthylene			. 11	11	EPA 8310		228	ND	н -	
Anthracene		."	8 <b>H</b> (1997)		EPA 8310		114	ND	"	
Benz (a) anthracene		•			EPA 8310		56.9	ND	"	
Benzo (a) pyrene		•			EPA 8310		5.69	16.8	Ħ	
Benzo (b) fluoranthene	i in si	11		"	EPA 8310		56.9	ND	H	
Benzo (ghi) perylene				· 11	EPA 8310		114	ND	<b>H</b>	
Benzo (k) fluoranthene			"	"	EPA 8310		114	ND		
Chrysene		W .	`	W	EPA 8310		114	ND	"	
Dibenz (a,h) anthracene		."		, <b>N</b> 1	EPA 8310		5.69	ND	"	
Fluoranthene				H .	EPA 8310		114	ND		
Eluorene					EPA 8310		114	ND		
- I-IUOICIIC										
Indeno (1.2.3-cd) nyrene				."	EPA 8310		56.9	ND	"	
Indeno (1,2,3-cd) pyrene			. n N	" . 11	EPA 8310 EPA 8310		56.9 114	ND ND	11 11 11	
Indeno (1,2,3-cd) pyrene 1-Methylnaphthalene 2-Methylnaphthalene		11 11 11		9 11 11	EPA 8310 EPA 8310 EPA 8310		56.9 114 114	ND ND ND	11 11 11 11	
Indeno (1,2,3-cd) pyrene 1-Methylnaphthalene 2-Methylnaphthalene Naphthalene		11 11 11			EPA 8310 EPA 8310 EPA 8310 EPA 8310		56.9 114 114 114	ND ND ND	<ul> <li>H</li> /ul>	

Great Lakes Analytical--Oak Creek

\*Refer to end of report for text of notes and definitions.

Andrea Stathas, Project Manager



Q & M, Inc.		Project:	P&G		· · · ·	Sampled:	10/18/01	
5635 N. Shore Drive	Proj	ject Number:	730-10170	1		Received:	10/19/01	
Whitefish Bay, WI 53217	Proj	ect Manager:	Eric Fraue	n		Reported:	11/1/01 10:04	
					1.4.1.1.0010			
	Polynucl	ear Aromat	ic Compoi	inds by EPA	Method 8310		· · ·	
		Gre	at Lakes A	Analytical				
······································	Batch	Date	Date	Specific	Reporting			· · · · ·
Analyte	Number	Prepared	Analyzed	Method	Limit	Result	Units	Notes*
Basement Tank (continued)			W11018	<u>15-02</u>			Soil (WI)	1,2,G1,G
Pyrene	1100464	10/24/01	10/26/01	EPA 8310	114	ND	ug/kg dry	
Surrogate: Carbazole	**	"		29-132		90.5	%	
<b>MW-2</b>			<u>W11018</u>	<u>15-03</u>			Water	1
Acenaphthene	1100412	10/22/01	10/24/01	EPA 8310	5.00	ND	ug/l	
Acenaphthylene	"			EPA 8310	5.00	ND	"	
Anthracene	"	n	"	EPA 8310	5.00	ND	"	
Benz (a) anthracene	"		"	EPA 8310	0.100	ND	"	
Benzo (a) pyrene	"	"	"	EPA 8310	0.0200	ND	. <b>0</b> -	
Benzo (b) fluoranthene		"		EPA 8310	0.0200	ND	n	
Benzo (ghi) pervlene	"	"	#	EPA 8310	5.00	ND	<b>u</b>	
Benzo (k) fluoranthene		"	N -	EPA 8310	0.100	ND		
Chrysene	"	"	H.	EPA 8310	0.0200	ND	"	
Dihenz (a h) anthracene	11	"	18	EPA 8310	0.100	ND		÷
Fluoranthene	"	"	H.	EPA 8310	5.00	ND		
Fluorene		"	н	EPA 8310	5.00	ND	н.	
Indeno (1 2 3-cd) pyrene	"	"	н	EPA 8310	0 200	ND	n	
1-Methylnanhthalene	11 -	"	н	EPA 8310	5.00	ND	11 ·	
2-Methylnaphthalene	"	"	-	EPA 8310	5.00	ND	n .:	
Nanhthalene	"	"	11	FPA 8310	5.00	ND		. *
Phenanthrene			11	EPA 8310	5.00	ND		•
Purene		"	0	EPA 8310	5.00	ND		
Surrogate: Carbazola	"	"	"	24 5-122	5.00	68 7	%	
Surroguie. Curbuzole				24.3-122		00.7	70	
<u>MW-3</u>			W11018	<u>5-04</u>			Water	1
Acenaphthene	1100412	10/22/01	10/24/01	EPA 8310	5.00	ND	ug/1	
Acenaphthylene	"	и,	N	EPA 8310	5.00	ND	н	
Anthracene	W 1		11	EPA 8310	5.00	ND	н	
Benz (a) anthracene	"	u	11	EPA 8310	0.100	ND	H .	
Benzo (a) pyrene		u	н	EPA 8310	0.0200	ND	11	
Benzo (b) fluoranthene	11	"	"	EPA 8310	0.0200	ND	H C	
Benzo (ghi) perylene		**	н	EPA 8310	. 5.00	ND	11	
Benzo (k) fluoranthene	н		*1	EPA 8310	0.100	ND	H S	
Chrysene	· •		11	EPA 8310	0.0200	ND	IT	
Dibenz (a,h) anthracene	"		н	EPA 8310	0.100	ND	. 11	
Fluoranthene	u			EPA 8310	5.00	ND	14	
Fluorene	**	**	11	EPA 8310	5.00	ND	H	
Indeno (1.2.3-cd) pyrene			**	EPA 8310	0.200	ND	n -	
						- 12-		

Great Lakes Analytical--Oak Creek

\*Refer to end of report for text of notes and definitions.

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O & M Inc		Draiact	D & C			0	10/10/2	
	D	Project:	P&G	.1		Sampled	10/18/0	1
5635 N. Shore Drive	Pro	ject Number:	730-10170	<b>11</b>		Received	10/19/0	
Whitefish Bay, WI 53217	Proj	ect Manager:	Eric Fraue	n		Reported	11/1/01	10:04
	Polynucl	ear Aroma Gr	tic Compou eat Lakes A	inds by EPA 1 Analytical	Method 8310	•	- · ·	
	Batch	Date	Date	Specific	Reporting			
Analyte	Number	Prepared	Analyzed	Method	Limit	Result	Units	Not
MW-3 (continued)	· · ·		<u>W11018</u>	<u>85-04</u>			Water	1
1-Methylnaphthalene	1100412	10/22/01	10/24/01	EPA 8310	5.00	ND	ug/l	
2-Methylnaphthalene	"	"		EPA 8310	5.00	ND	"	
Naphthalene	"	11		EPA 8310	5.00	ND		
Phenanthrene	"	"	"	EPA 8310	5.00	ND	11	
Pyrene		"	"	EPA 8310	5.00	ND	"	
Surrogate: Carbazole	"	"	, "	24.5-122	<u> </u>	80.0	%	
<u>MW-1</u>			W11018	85-05		•	Water	1
Acenaphthene	1100412	10/22/01	10/24/01	EPA 8310	5.00	ND	ug/l	
Acenaphthylene		11		EPA 8310	5.00	ND	"	
Anthracene	<b>H</b>	"		EPA 8310	5.00	ND		
Benz (a) anthracene	"	"		EPA 8310	0.100	ND		
Benzo (a) pyrene	"			EPA 8310	0.0200	ND	H	•
Benzo (b) fluoranthene	"	"		EPA 8310	0.0200	ND	**	
Benzo (ghi) pervlene	"	11		EPA 8310	5.00	ND	Ħ	
Benzo (k) fluoranthene	"	11		EPA 8310	0.100	ND		
Chrysene	"			EPA 8310	0.0200	ND	*	
Dibenz (a, h) anthracene	<b>H</b> (			EPA 8310	0.100	ND	11	
Fluoranthene	"	"		EPA 8310	5.00	ND		
Fluorene	"			EPA 8310	5.00	ND	11	
Indeno (1 2 3-cd) pyrene	"			EPA 8310	0 200	ND	f1	
1-Methylnanbthalene	"			EPA 8310	5.00	ND	U .	
2-Methylnaphthalene		"		EPA 8310	5.00	ND	н	
Nanhthalene				EPA 8310	5.00	ND	н	
Phenanthrene	<b>u</b> .			EPA 8310	5.00	ND	н	
Purene		"		EPA 8310	5.00	ND	n	
Surrogate: Carbazole		"	"	24.5-122	5.00	67.0	%	
			W11019	25-06	,		Water	1
A canonhthana	1100412	10/22/01	10/25/01	EDA 8310	5 00	ND	ug/1	T
A cenantitudene	"	" "	. #	EPA \$210	5.00 5.00		ug/1 "	
Anthracene				ETA 0310	5.00		i	
Renz (a) anthracene				ETA 0310	0 100			
	"		11	EPA 9210	0.100	ישא		
Denzo (a) pyrene	"		· #	EPA 9210	0.0200	םא תוא		
Denzo (D) Huoranthene				EFA 0310	0.0200			
Benzo (gni) perylene				EFA 0310	5.00			
Benzo (K) Iluoranthene				EPA 8310	0.100			
Chrysene				EPA 8310	0.0200	ND		

Great Lakes Analytical--Oak Creek

\*Refer to end of report for text of notes and definitions.



O & M, Inc.			Project:	P & G	······································		····	Sampled:	10/18/01	
5635 N. Shore Drive		Proj	ject Number:	730-10170	)1			Received:	10/19/01	
Whitefish Bay, WI 53217	,	Proj	ect Manager:	Eric Fraue	n			Reported:	11/1/01 10:0	)4
		Polynucl	ear Aromat Gre	ic Compo at Lakes A	unds by EPA Analytical	Metho	od 8310		:	
		Batch	Date	Date	Specific	Re	porting		_	
Analyte		Number	Prepared	Analyzed	Method		Limit	Result	Units	Notes*
MW-4 (continued)			• •	W11018	35-06				Water	1
Dibenz (a,h) anthracene		1100412	10/22/01	10/25/01	EPA 8310		0.100	ND	ug/l	
Fluoranthene		"		11	EPA 8310		5.00	ND	11	
Fluorene	• •	<b>H</b>	"	11	EPA 8310		5.00	ND		
Indeno (1,2,3-cd) pyrene		."	"	**	EPA 8310		0.200	ND	w	
1-Methylnaphthalene		"	"	**	EPA 8310		5.00	ND		
2-Methylnaphthalene		"	"	**	EPA 8310		5.00	ND		
Naphthalene		"	"	11	EPA 8310		5.00	ND		
Phenanthrene		"	"	10	EPA 8310		5.00	ND	17	
Pyrene		"	"	11	EPA 8310		5.00	ND	**	
Surrogate: Carbazole		"	"	"	24.5-122			80.6	%	
Sewer East				W11018	35-07				Water	1.2
A cenanhthene		1100465	10/24/01	10/25/01	EPA 8310		50.0	55.5	110/1	<b>مرب</b>
Acenaphthylene		"	"	"	EPA 8310		50.0	402	"	
Anthracene		"	"	"	EPA 8310		50.0	ND		
Benz (a) anthracene		"	"	11	EPA 8310		1.00	22.1	"	
Benzo (a) pyrene		"	"		EPA 8310		0.200	9.54		
Benzo (b) fluoranthene		н 1	N	1 H	EPA 8310		0.200	15.8		
Benzo (ghi) pervlene	· ·	н Ч			EPA 8310		50.0	ND		
Benzo (k) fluoranthene		"		5. H	EPA 8310		1.00	2.53		
Chrysene		н 1			EPA 8310		0.200	73.1	"	
Dihenz (a h) anthracene				11	EPA 8310		1.00	1.12		
Fluoranthene				. R	EPA 8310		50.0	464	"	
		·		H -	EPA 8310		50.0	360		
Indeno (1.2.3-cd) nyrene		н .		н	EPA 8310		2.00	11.7		
1-Methylnaphthalene		<b>n</b>		н	EPA 8310	· .	1000	. 6080		G12
2-Methylnaphthalene	•	n		10/26/01	EPA 8310		1000	3330		G12
Naphthalene	÷.	"		10/25/01	EPA 8310		1000	ND		G12
Phenanthrene				10/26/01	EPA 8310		1000	1330		G12
Pyrene		"	11	10/25/01	EPA 8310		1000	4870		G12
Surrogate: Carbazole		"	"	"	24.5-122			NR	%	5
Server event				W11010	25.09				Watan	1 2
<u>- Sewer Wası</u>		1100465	10/24/01	10/25/01	EDA 0210		6 22		water	نهبك
Acenaphthene	-	1100405	10/24/01 "	10/23/01	EFA 8310		6.22	11D 21 7	" "	
Acenaphthylene		*			EFA 0310		0.33			
Anthracene			"		EFA 8310	· .	0.33			
Benz (a) anthracene			"		EFA 8310		0.12/	U.020 0.129		
Benzo (a) pyrene		••		-	EPA 8310		0.0255	0.138	1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -	

Great Lakes Analytical--Oak Creek

\*Refer to end of report for text of notes and definitions.



			-					
O & M, Inc.	· · · · · · · · · · · · · · · · · · ·	Project:	P & G		· .	Sampled:	10/18/01	
5635 N. Shore Drive	Proj	ect Number:	730-10170	1		Received:	10/19/01	
Whitefish Bay, WI 53217	Proje	ect Manager:	Eric Fraue	n	·	Reported:	11/1/01 10:04	
	Polynucle	ear Aroma	tic Compou	inds by EPA	Method 8310			
		GI	cat Lakes P	Maiyucai				
	Batch	Date	Date	Specific	Reporting			
Analyte	Number	Prepared	Analyzed	Method	Limit	Result	Units	Notes*
	•		33/11010	05 00				
Sewer wast (continued)			<u>wilui</u>	<u>52-08</u>			water	1,2
Benzo (b) fluoranthene	1100465	10/24/01	10/25/01	EPA 8310	0.0253	0.357	ug/l	
Benzo (ghi) perylene				EPA 8310	6.33	ND	H ·	
Benzo (k) fluoranthene		"	"	EPA 8310	0.127	ND		
Chrysene	2 <b>n</b>		"	EPA 8310	0.0253	2.21		
Dibenz (a,h) anthracene	"	"	"	EPA 8310	0.127	ND	**	
Fluoranthene	"	"	**	EPA 8310	6.33	11.2	"	
Fluorene	11	"	"	EPA 8310	6.33	9.53	"	
Indeno (1,2,3-cd) pyrene	n	"	"	EPA 8310	0.253	ND	"	
1-Methylnaphthalene	1. <sup>15</sup> No. <b>H</b>	"		EPA 8310	127	196	"	G12
2-Methylnaphthalene	"		10/26/01	EPA 8310	101	126		G12
Naphthalene			10/25/01	EPA 8310	127	243	"	G12
Phenanthrene	19 <b>11</b> 11 11 11	"	'n	EPA 8310	6.33	32.5	"	
Pyrene		"		EPA 8310	6.33	ND	"	
Surrogate: Carbazole	. 11	"	"	24.5-122		NR	%	5

Great Lakes Analytical-Oak Creek



Basement Tank

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O & M, Inc. 5635 N. Shore Drive Whitefish Bay, WI 53217	Project: Project Number: Project Manager:	P & G 730-101701 Eric Frauen	Sampled: Received: Reported:	10/18/01 10/19/01 11/1/01 10	0:04
	Dry V Great La	Weight Determination kes Analyti cal-Oak Creek			
Sample Name	Lab ID	Matrix		Result	Units
Garage 1	W110185-01	Soil (WI)	•	83.7	%

Soil (WI)

W110185-02

	Great Lakes Analytical	Qak Creek
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	Conduces	Hat
	Andrea Stathas Project	Manager

Page 14



	O & M, Inc.	Project:	P & G			Sa	mpled:	10/18/01		
	5635 N. Shore Drive	Project Number:	730-101701			Re	ceived:	10/19/01		
Ì	Whitefish Bay, WI 53217	Project Manager:	Eric Frauen		· · · · · · · · · · · · · · · · · · ·	Re	ported:	11/1/01	10:04	
		Diesel Range Organics Great Lal	(DRO) by W kes Analytic	/DNR D alOak	RO/Quality Co Creek	ontrol				
	<b>_</b>	Date Spike	Sample	QC	Report	ing Limit	Recov.	RPD	RPD	
	Analyte	Analyzed Level	Result	Result	Units Reco	ov. Limits	%	Limit	%	Notes*
Ļ	Batch: 1100068 Blank Diesel Range Organics (DRO)	Date Prepared: 10/22 1100068-BLK1 10/22/01	<u>/01</u> .	ND	Extraction M mg/kg dry	<u>ethod:_E</u> 5.00	PA <u>3550</u>	B		
.  - 	LCS Diesel Range Organics (DRO)	<b>1100068-BS1</b> 10/23/01 40.0		40.5	mg/kg dry	70.0-120	101			
	<b>LCS Dup</b> Diesel Range Organics (DRO)	<b>1100068-BSD1</b> 10/23/01 40.0		37.6	mg/kg dry	70.0-120	94.0	20.0	7.18	•

Great Lakes Analytical--Oak Creek

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Andrea Stathas, Project Manager



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O & M, Inc.		Project:	P&G	4	Sampled:	10/18/01	
5635 N. Shore Drive		Project Number:	730-101701		Received:	10/19/01	1.1
Whitefish Bay, WI 53217	· · ·	Project Manager:	Eric Frauen		Reported:	11/1/01 10:04	

#### Petroleum Volatile Organic Compounds (PVOC) by Method 8021B/Quality Control Great Lakes Analytical-Oak Creek

· ·		Date	Spike	Sample	QC		<b>Reporting Limit</b>	Recov.	RPD	RPD	
Analyte	18.	Analyzed	Level	Result	Result	Units	Recov. Limits	%	Limit	% Notes*	
· · · · · · · · · · · · · · · · · · ·		· · ·									
Batch: 1100073		Date Prepa	red: 10/2	<u>3/01</u>		Extraction Method: EPA 5030B (P/T)					
<u>Blank</u>		<u>1100073-B</u>	LK1								
Benzene		10/23/01			ND	ug/l	0.500				
Ethylbenzene		"			ND	11	0.500				
Methyl tert-butyl ether	n an	" ~			ND	"	0.200				
Toluene					ND	"	0.500				
1,2,4-Trimethylbenzene		"			ND		1.00				
1,3,5-Trimethylbenzene		•			ND	· 11	1.00				
Total Xylenes	~	"			ND	"	0.500				
Surrogate: 1-Cl-4-FB (PID)			20.0		19.4	"	80.0-120	97.0			
LCS		1100073-B	<u>S1</u> .								
Benzene		10/23/01	20.0		22.9	ug/l	85.0-115	114			
Ethylbenzene		11	20.0		21.5		85.0-115	108			
Methyl tert-butyl ether	•	<b>.</b> .	20.0		20.0	"	85.0-115	100			
Toluene		"	20.0		22.4	. "	85.0-115	112			
1,2,4-Trimethylbenzene		11	20.0		21.1	<b>11</b>	85.0-115	106			
1,3,5-Trimethylbenzene			20.0		20.9	"	85.0-115	104			
Total Xylenes		Ħ	60.0		65.6	, <b>H</b>	85.0-115	109			
Surrogate: 1-Cl-4-FB (PID)		"	20.0		19.4	"	80.0-120	97.0			
-										-	
<u>Matrix Spike</u>		<u>1100073</u> -M	1 <u>S1 W</u> 1	<u>10185-03</u>							
Benzene		10/23/01	20.0	ND	20.7	ug/l	75.0-125	104			
Ethylbenzene		"	20.0	ND	19.6	"	75.0-125	98.0			
Methyl tert-butyl ether			20.0	ND	18.9	"	75.0-125	94.5			
Toluene		10	20.0	ND	19.9	11	75.0-125	<b>99.5</b>			
1,2,4-Trimethylbenzene		н .	20.0	ND	18.6	"	75.0-125	93.0			
1,3,5-Trimethylbenzene		•	20.0	ND	18.8		75.0-125	94.0			
Total Xylenes		н	60.0	ND	58.9	"	75.0-125	98.2			
Surrogate: 1-Cl-4-FB (PID)		"	20.0		19.5	"	80.0-120	97.5			
Matrix Snike Dun		1100073-M	ISD1 W1	10185-03							
Renzene		10/23/01	20.0	ND	23.1	ug/1	75.0-125	116	20.0	10.9	
Fthylhenžene		"	20.0	ND	21.8	"	75.0-125	109	20.0	10.6	
Methyl tert_hutyl ether		•	20.0	ND	22.0	"	75 0-125	110	20.0	15.2	
Tohume			20.0	ND	22.0	.11	75.0-125	111	20.0	10.9	
1.2.4.Trimethylbenzers		"	20.0		20.1		75.0-125	101	20.0	8 25	
1,2,4- I I IIII CUI YI DENZENE			20.0		20.1	"	75 0-125	101	20.0	9 14	
1,3,3-1 fineuryidenzene			20.0		20.J	10	75.0-125	105	20.0	0 51	
Total Aylenes			00.0		05.1		75.0-125	100	20.0	J.J1	

Great Lakes Analytical--Oak Creek

\*Refer to end of report for text of notes and definitions.

マリ Andrea Stathas, Project Manager

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#### Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

	O & M, Inc.	Project:	P & G	· · ·	Sampled:	10/18/01
	5635 N. Shore Drive	Project Number:	730-101701		Received:	10/19/01
`	Whitefish Bay, WI 53217	Project Manager:	Eric Frauen		Reported:	11/1/01 10:04

#### Petroleum Volatile Organic Compounds (PVOC) by Method 8021B/Quality Control Great Lakes Analytical-Oak Creek

				-					
	Date	Spike	Sample	QC		<b>Reporting Limit</b>	Recov.	RPD	RPD
Analyte	Analyzed	Level	Result	Result	Units	Recov. Limits	%	Limit	% Notes*
Matrix Spike Dup (continued)	<u>1100073-M</u>	ISD1 W	1 <u>10185-03</u>						
Surrogate: 1-Cl-4-FB (PID)	10/23/01	20.0		20.0	ug/l	80.0-120	100		

Great Lakes Analytical--Oak Creek

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Andrea Stathas, Project Manager



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140 East Ryan Road Oak Creek, Wisconsin 53154

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| O & M, Inc.                 |     |              | Project:                | P&G                     |                     |                   |            | Sam     | pled:         | 10/18/01 |         |
|-----------------------------|-----|--------------|-------------------------|-------------------------|---------------------|-------------------|------------|---------|---------------|----------|---------|
| 5635 N. Shore Drive         |     | Proje        | ct Number:              | 730-10170               | 1                   |                   |            | Rece    | ived:         | 10/19/01 |         |
| Whitefish Bay, WI 53217     |     | Proje        | ct Manager:             | Eric Frauer             | 1                   |                   | · · ·      | Repo    | orted:        | 11/1/01  | 10:04   |
|                             | WDN | R Volatile ( | Organic Co<br>Great Lal | ompounds<br>kes Analyti | by Metho<br>cal—Oak | od 8021/<br>Creek | Quality C  | ontrol  |               |          |         |
|                             |     | Date         | Spike                   | Sample                  | QC                  |                   | Reporting  | Limit 1 | Recov.        | RPD      | RPD     |
| Analyte                     |     | Analyzed     | Level                   | Result                  | Result              | Units             | Recov.     | Limits  | %             | Limit    | % Notes |
| Batch: 1100090              |     | Date Prepa   | red: 10/26              | /01                     |                     | Extra             | ction Meth | od: EPA | <u>5030</u> 1 | B (P/T)  |         |
| Blank                       |     | 1100090-B    | LKI                     |                         | ND                  | •                 |            |         |               |          |         |
| Benzene                     | · . | 10/26/01     |                         |                         | ND                  | ug/l              |            | 0.500   |               |          | •       |
| Bromobenzene                |     |              |                         |                         | ND                  |                   |            | 0.500   |               |          |         |
| Bromodichloromethane        |     |              |                         |                         | ND                  |                   |            | 0.500   | v  = 1        |          |         |
| n-Butylbenzene              |     | 14           |                         |                         | ND                  |                   |            | 0.500   |               |          |         |
| sec-Butylbenzene            |     |              |                         |                         | ND                  |                   |            | 0.500   |               |          |         |
| tert-Butylbenzene           |     | 19           |                         |                         | ND                  |                   |            | 0.500   |               |          |         |
| Carbon tetrachloride        |     | . 11         |                         |                         | ND                  |                   |            | 0.500   |               |          |         |
| Chlorobenzene               |     | 11           |                         |                         | ND                  |                   |            | 0.500   |               |          |         |
| Chloroethane                |     | 11           |                         |                         | ND                  | "                 |            | 0.500   |               |          |         |
| Chloroform                  |     | 11           |                         |                         | ND                  | "                 |            | 0.140   |               |          |         |
| Chloromethane               |     | 11           |                         |                         | ND                  | **                |            | 0.600   |               |          |         |
| 2-Chlorotoluene             |     | "            |                         |                         | ND                  | "                 |            | 0.500   |               |          |         |
| 4-Chlorotoluene             |     | "            |                         |                         | ND                  | "                 |            | 0.500   |               |          |         |
| Dibromochloromethane        |     | 11           |                         | -<br>-                  | ND                  | "                 |            | 0.500   |               |          |         |
| 1,2-Dibromo-3-chloropropane | e   |              |                         |                         | ND                  | "                 |            | 0.390   |               |          |         |
| 1,2-Dibromoethane           |     | 11 .         |                         | · · · ·                 | ND                  | 11                |            | 0.380   |               |          |         |
| 1,2-Dichlorobenzene         |     | 24           |                         |                         | ND                  | "                 |            | 0.500   |               |          |         |
| 1,3-Dichlorobenzene         |     | **           | ÷.,                     |                         | ND                  | ` II              |            | 0.500   |               |          |         |
| 1,4-Dichlorobenzene         |     | Ħ            |                         |                         | ND                  | "                 |            | 0.500   |               |          |         |
| Dichlorodifluoromethane     |     | **           |                         |                         | ND                  |                   |            | 0.500   |               |          |         |
| 1,1-Dichloroethane          |     | 11           |                         |                         | ND                  | "                 |            | 0.500   |               |          |         |
| 1,2-Dichloroethane          |     | "            |                         |                         | ND                  | "                 |            | 0.500   |               |          | -<br>-  |
| 1,1-Dichloroethene          |     |              |                         |                         | ND                  | "                 |            | 0.500   |               |          |         |
| , cis-1,2-Dichloroethene    |     | *            |                         |                         | ND                  | "                 |            | 0.500   |               |          |         |
| trans-1,2-Dichloroethene    |     | "            |                         |                         | ND                  | **                |            | 0.500   |               |          |         |
| 1,2-Dichloropropane         |     | "            |                         | ÷                       | ND                  | υ.                |            | 0.500   |               |          |         |
| 1.3-Dichloropropane         |     |              |                         |                         | ND                  | "                 |            | 0.500   |               |          |         |
| 2.2-Dichloropropane         |     | H            |                         | .*                      | ND                  | "                 |            | 0.500   |               |          |         |
| Di-isopropyl ether          |     |              |                         |                         | ND                  | 11                |            | 5.00    |               |          |         |
| Ethylbenzene                |     |              |                         |                         | ND                  | 11                |            | 0.500   |               |          |         |
| Hexachlorobutadiene         |     | "            |                         |                         | ND                  | 11                |            | 5.00    |               |          |         |
| Isopropylbenzene            |     |              |                         |                         | ND                  |                   |            | 0.500   |               |          |         |
| n-Isopropyleonzene          |     | 11           |                         |                         | ND                  | "                 |            | 0.500   |               |          |         |
| Methylene chloride          |     | **           |                         |                         | ND                  | "                 |            | 0.530   |               |          |         |
| Methyl tert_hutyl ether     |     |              |                         |                         | ND                  |                   |            | 0.500   |               |          |         |
| Nanhthalene                 |     | "            |                         |                         | ND                  | 11                |            | 2.00    |               |          |         |
| n Bronylhenzono             |     | 11           |                         |                         | ND                  | 11                |            | 0 500   |               |          |         |
| n-r iopyiocnzelle           |     |              |                         |                         |                     |                   |            | 0.000   |               |          |         |

Great Lakes Analytical--Oak Creek

Andrea Stathas, Project Manager



#### Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

| O & M, Inc.<br>5635 N. Shore Drive | Proiec                    | Project:   | P & G<br>730-101701 |                   |          | Sa                   | mpled:         | 10/18/01     | · · ·          |
|------------------------------------|---------------------------|------------|---------------------|-------------------|----------|----------------------|----------------|--------------|----------------|
| Whitefish Bay WI 53217             | Drojeo                    | t Manager  | Fric Frauen         |                   |          | De                   | norted.        | 11/1/01 1    | 0.04           |
| l'                                 | 110/00                    | t manager. | I auch              | <del>~~~=</del> , |          | Ke                   | portou.        | 11/1/01      |                |
| W                                  | DNR Volatile C            | Organic Co | ompounds b          | y Metho           | d 8021/0 | Quality Control      | l <sub>.</sub> |              | -              |
|                                    |                           | Great Lal  | ces Analytic        | alOak             | Creek    |                      |                |              | · · · · ·      |
| p                                  | Data                      | Spiles     | Samula              |                   |          | Dementin - T incit   |                |              |                |
| Analyte                            | Analyzed                  | Level      | Result              | Result            | Units    | Recov I imits        | Kecov.         | KPD<br>Limit | KPD<br>% Notes |
| Analyte                            | Anaryzeu                  |            | Result              | ICoult            | Onits    | Recov. Emilis        | /0             |              | 70 INOLES      |
| Blank (continued)                  | <u>1100090-BI</u>         | LK1        |                     | -                 |          |                      |                |              |                |
| 1,1,2,2-Tetrachloroethane          | 10/26/01                  |            |                     | ND                | ug/l     | 0.350                |                |              |                |
| Tetrachloroethene                  | н                         |            |                     | ND                | "        | 0.500                |                |              |                |
| Toluene                            | 11                        |            |                     | ND                | "        | 0.500                |                |              |                |
| 1,2,3-Trichlorobenzene             | 11                        | ÷ •        |                     | ND                | н.<br>1  | 2.00                 |                | •            |                |
| 1,2,4-Trichlorobenzene             | n                         |            |                     | ND                | . 11     | 2.00                 |                |              |                |
| 1,1,1-Trichloroethane              | <b>H</b> 1 <sup>2</sup> 4 |            |                     | ND                | н , .    | 0.500                |                |              |                |
| 1,1,2-Trichloroethane              | <b>n</b>                  |            |                     | ND                | "        | 0.160                |                |              |                |
| Trichloroethene                    | <b>H</b> 1                |            |                     | ND                | "        | 0.500                |                |              |                |
| Trichlorofluoromethane             |                           |            | • •                 | ND                |          | 0.500                |                |              |                |
| 1.2.4-Trimethylbenzene             | "                         |            |                     | ND                | 11       | 1.00                 |                |              | •              |
| 1 3 5-Trimethylbenzene             | i.                        |            |                     | ND                | "        | 1.00                 |                |              |                |
| Vinyl chloride                     |                           |            |                     | ND                | "        | 0 170                |                | -            |                |
| Total Xylenes                      |                           |            |                     | ND                |          | 0.170                |                |              |                |
| Surrogata: 1 CLA ER (ELCD)         | "                         | 10.0       |                     | 10.5              | 11       | 80 0-120             | 105            | •            |                |
| Surrogate: $1 Cl A EP (DID)$       | "                         | 10.0       |                     | 11.7              | "        | 80.0-120             | 117            |              |                |
| Surrogue. 1-CI-4-1 D (11D)         |                           | 10.0       | - 1                 | 11.7              |          | 00.0-120             | 117            |              |                |
| LCS                                | 1100090-BS                | 51.        |                     |                   |          |                      |                |              |                |
| Benzene                            | 10/26/01                  | 10.0       |                     | 9.39              | ug/l     | 85.0-115             | 93.9           |              |                |
| Bromobenzene                       | "                         | 10.0       |                     | 9.53              | "        | 85.0-115             | 95.3           |              |                |
| Bromodichloromethane               |                           | 10.0       |                     | 9.13              |          | 85.0-115             | 91.3           |              |                |
| n-Butylbenzene                     |                           | 10.0       |                     | 9.77              |          | 85.0-115             | 97.7           |              |                |
| sec-Butylbenzene                   |                           | 10.0       |                     | 9.29              |          | 85.0-115             | 92.9           |              |                |
| tert-Butylbenzene                  |                           | 10.0       |                     | 9.42              |          | 85.0-115             | 94.2           |              |                |
| Carbon tetrachloride               |                           | 10.0       |                     | 9.42              | н        | 85.0-115             | 03.6           |              |                |
| Chlorohongono                      |                           | 10.0       |                     | 0.12              |          | 85.0-115             | 95.0<br>01.2   |              |                |
| Chloroethane                       |                           | 10.0       |                     | 8.58              | "        | 85.0-115             | 85.8           |              |                |
| Chloroform                         |                           | 10.0       |                     | 0.00              |          | 85.0-115             | 96.0           |              | • • *          |
| Chloromothere                      |                           | 10.0       |                     | 0.09              |          | 85.0-115             | 00.9           |              |                |
| Chlorotoluono                      | "                         | 10.0       |                     | 0.00              |          | 03.U-113<br>85 A 115 | 02.0           |              |                |
|                                    | "                         | 10.0       |                     | 9.27              |          | 03.0-115             | 92.1           |              |                |
| 4-Uniorotoluene                    |                           | 10.0       |                     | 9.39              |          | 85.0-115             | 95.9<br>107    |              |                |
| Dipromochloromethane               |                           | 10.0       |                     | 10./              |          | 85.0-115             | 10/            |              |                |
| 1,2-Dibromo-3-chloropropane        |                           | 10.0       |                     | 10.8              |          | 85.0-115             | 108            |              |                |
| 1,2-Dibromoethane                  |                           | 10.0       |                     | 11.4              |          | 85.0-115             | 114            |              |                |
| 1,2-Dichlorobenzene                |                           | 10.0       |                     | 9.39              |          | 85.0-115             | 93.9           |              |                |
| 1,3-Dichlorobenzene                | "                         | 10.0       |                     | 10.0              | "        | 85.0-115             | 100            |              |                |
| 1,4-Dichlorobenzene                | "                         | 10.0       |                     | 9.54              |          | 85.0-115             | 95.4           |              |                |
| Dichlorodifluoromethane            | "                         | 10.0       |                     | 8.70              | 11       | 85.0-115             | 87.0           |              |                |
| 1,1-Dichloroethane                 | "                         | 10.0       |                     | 9.64              |          | 85.0-115             | 96.4           |              |                |

Great Lakes Analytical--Oak Creek

Andrea Stathas, Project Manager

\*Refer to end of report for text of notes and definitions.

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140 East Ryan Road Oak Creek, Wisconsin 53154

| $[0 \propto Ni, Inc.$   | Project:         | P & G       |                                                                                                                | Sampled:  | 10/18/01      |
|-------------------------|------------------|-------------|----------------------------------------------------------------------------------------------------------------|-----------|---------------|
| 5635 N. Shore Drive     | Project Number:  | 730-101701  |                                                                                                                | Received: | 10/19/01      |
| Whitefish Bay, WI 53217 | Project Manager: | Eric Frauen | a data da ante | Reported: | 11/1/01 10:04 |

#### WDNR Volatile Organic Compounds by Method 8021/Quality Control Great Lakes Analytical--Oak Creek

|                             | Date       | e Spike            | Sample     | QC     |              | <b>Reporting Limit</b> | Recov.        | RPD            | RPD       |
|-----------------------------|------------|--------------------|------------|--------|--------------|------------------------|---------------|----------------|-----------|
| Analyte                     | Ana        | lyzed Level        | Result     | Result | Units        | Recov. Limits          | %             | Limit          | % Notes*  |
|                             |            |                    | •          |        |              |                        |               |                |           |
| LCS (continued)             | <u>110</u> | <u>0090-BS1</u>    |            |        |              |                        |               |                |           |
| 1,2-Dichloroethane          | 10/2       | 6/01 10.0          |            | 9.80   | ug/1         | 85.0-115               | 98.0          |                |           |
| 1,1-Dichloroethene          | "          | 10.0               |            | 8.79   | "            | 85.0-115               | 87.9          |                |           |
| cis-1,2-Dichloroethene      | "          | 10.0               |            | 9.05   | "            | 85.0-115               | <b>90.5</b> * |                |           |
| trans-1,2-Dichloroethene    | <b></b>    | 10.0               |            | 8.76   | "            | 85.0-115               | 87.6          |                |           |
| 1,2-Dichloropropane         | <b>H</b>   | 10.0               |            | 8.85   | "            | 85.0-115               | 88.5          |                |           |
| 1,3-Dichloropropane         | "          | 10.0               |            | 11.1   | 11           | 85.0-115               | 111           |                |           |
| 2,2-Dichloropropane         |            | 10.0               |            | 8.98   | н            | 85.0-115               | 89.8          |                |           |
| Di-isopropyl ether          |            | 10.0               |            | 8.98   | н            | 85.0-115               | 89.8          |                |           |
| Ethylbenzene                | "          | 10.0               |            | 8.76   | . 11         | 85.0-115               | 87.6          |                | · .       |
| Hexachlorobutadiene         |            | 10.0               |            | 9.07   | 18           | 85.0-115               | 90.7          |                |           |
| Isopropylbenzene            | "          | 10.0               |            | 9.52   | 11           | 85.0-115               | 95.2          |                |           |
| p-Isopropyltoluene          |            | 10.0               |            | 9.35   | , <b>H</b> , | 85.0-115               | 93.5          |                |           |
| Methylene chloride          |            | 10.0               |            | 8.60   | . 99         | 85.0-115               | 86.0          |                |           |
| Methyl tert-butyl ether     | • • •      | 10.0               |            | 9.02   |              | 85.0-115               | 90.2          |                |           |
| Naphthalene                 | "          | 10.0               |            | 8.67   | . 11         | 85.0-115               | 86.7          |                |           |
| n-Propylbenzene             | . "        | 10.0               |            | 9.64   | н -          | 85.0-115               | 96.4          |                |           |
| 1,1,2,2-Tetrachloroethane   | "          | 10.0               |            | 9.00   | "            | 85.0-115               | 90.0          |                |           |
| Tetrachloroethene           | 58         | 10.0               |            | 9.54   | "            | 85.0-115               | 95.4          |                |           |
| Toluene                     | H          | 10.0               |            | 9.32   |              | 85.0-115               | 93.2          |                |           |
| 1,2,3-Trichlorobenzene      | <b>H</b>   | 10.0               |            | 8.81   |              | 85.0-115               | 88.1          |                |           |
| 1,2,4-Trichlorobenzene      |            | 10.0               |            | 9.54   |              | 85.0-115               | 95.4          |                |           |
| 1,1,1-Trichloroethane       |            | 10.0               |            | 9.79   | *            | 85.0-115               | 97.9          |                |           |
| 1,1,2-Trichloroethane       |            | 10.0               |            | 10.1   | H            | 85.0-115               | 101           |                | · · · · · |
| Trichloroethene             | 11         | 10.0               |            | 8.80   |              | 85.0-115               | 88.0          |                |           |
| Trichlorofluoromethane      |            | 10.0               |            | 8.76   |              | 85.0-115               | 87.6          |                |           |
| 1.2.4-Trimethylbenzene      |            | 10.0               |            | 9.38   | "            | 85.0-115               | 93.8          |                |           |
| 1.3.5-Trimethylbenzene      |            | 10.0               |            | 8.96   | H .          | 85.0-115               | 89.6          |                |           |
| Vinvl chloride              | ·· ·       | 10.0               |            | 9.18   | **           | 85.0-115               | 91.8          |                |           |
| Total Xylenes               | **         | 30.0               |            | 27.7   | **           | 85.0-115               | 92.3          | × <sup>1</sup> |           |
| Surrogate: 1-Cl-4-FB (ELCD) | "          | 10.0               |            | 9.16   | "            | 80.0-120               | 91.6          |                |           |
| Surrogate: 1-Cl-4-FB (PID)  | "          | 10.0               |            | 10.1   | "            | 80.0-120               | 101           |                |           |
| 5                           |            |                    |            |        |              |                        |               |                |           |
| <u>Matrix Spike</u>         | 110        | 0 <u>090-MS1</u> W | /110167-01 |        |              | *                      |               |                |           |
| Benzene                     | 10/2       | 26/01 10.0         | ND         | 8.94   | ug/1         | 75.0-125               | 89.4          |                |           |
| Bromobenzene                | 11         | 10.0               | ND         | 9.29   | "            | 75.0-125               | 92.9          | 1. A.          |           |
| Bromodichloromethane        |            | 10.0               | ND         | 11.9   | "            | 75.0-125               | 119           |                |           |
| n-Butvlbenzene              | "          | 10.0               | ND         | 9.74   | "            | 75.0-125               | 97.4          |                |           |
| sec-Butylbenzene            | "          | 10.0               | ND         | 9.26   |              | 75.0-125               | 92.6          |                |           |
|                             |            |                    |            |        |              |                        |               |                |           |

Great Lakes Analytical--Oak Creek

Andrea Stathas, Project Manager



#### Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

| O & M, Inc.             | Pro         | oject: P&G        | Sampled:  | 10/18/01      |
|-------------------------|-------------|-------------------|-----------|---------------|
| 5635 N. Shore Drive     | Project Nur | nber: 730-101701  | Received: | 10/19/01      |
| Whitefish Bay, WI 53217 | Project Man | ager: Eric Frauen | Reported: | 11/1/01 10:04 |

#### WDNR Volatile Organic Compounds by Method 8021/Quality Control Great Lakes Analytical--Oak Creek

| Analyte         Analyzed         Level         Result         Units         Recov. Limits         % Limit         % Note           Matrix Spike (continued)         1100090-MS1         W110167-01.              % Note           Matrix Spike (continued)         10/26/01         10.0         ND         9.20         ug/l         75.0-125         92.0            Carbon tetrachloride         "         10.0         ND         11.6         "         75.0-125         116            Chlorobenzene         "         10.0         ND         7.85         "         75.0-125         85.2 | Aı                                                                                                              | A 1                  |                 |        |          |               |             |       |          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|----------------------|-----------------|--------|----------|---------------|-------------|-------|----------|
| Matrix Spike (continued)         1100090-MS1         W110167-01.           tert-Butylbenzene         10/26/01         10.0         ND         9.20         ug/1         75.0-125         92.0           Carbon tetrachloride         "         10.0         ND         11.6         "         75.0-125         116           Chlorobenzene         "         10.0         ND         8.52         "         75.0-125         85.2           Chloroethane         "         10.0         ND         7.85         "         75.0-125         78.5                                                   |                                                                                                                 | Analyzed Level       | Result          | Result | Units    | Recov. Limits | %           | Limit | % Notes* |
| Matrix Spike (continued)         1100090-MS1         W110167-01           tert-Butylbenzene         10/26/01         10.0         ND         9.20         ug/1         75.0-125         92.0           Carbon tetrachloride         "         10.0         ND         11.6         "         75.0-125         116           Chlorobenzene         "         10.0         ND         8.52         "         75.0-125         85.2           Chloroethane         "         10.0         ND         7.85         "         75.0-125         78.5                                                    |                                                                                                                 |                      |                 |        | •        |               |             |       |          |
| tert-Butylbenzene10/26/0110.0ND9.20ug/175.0-12592.0Carbon tetrachloride"10.0ND11.6"75.0-125116Chlorobenzene"10.0ND8.52"75.0-12585.2Chloroethane"10.0ND7.85"75.0-12578.5                                                                                                                                                                                                                                                                                                                                                                                                                           | (continued) 11                                                                                                  | <u>1100090-MS1</u> V | V110167-01      |        |          |               |             |       |          |
| Carbon tetrachloride       "       10.0       ND       11.6       "       75.0-125       116         Chlorobenzene       "       10.0       ND       8.52       "       75.0-125       85.2         Chloroethane       "       10.0       ND       7.85       "       75.0-125       78.5                                                                                                                                                                                                                                                                                                         | ene 10                                                                                                          | 10/26/01 10.0        | ND              | 9.20   | ug/1     | 75.0-125      | 92.0        |       |          |
| Chlorobenzene         "         10.0         ND         8.52         "         75.0-125         85.2           Chloroethane         "         10.0         ND         7.85         "         75.0-125         78.5                                                                                                                                                                                                                                                                                                                                                                                | loride "                                                                                                        | " 10.0               | ND              | 11.6   | 11       | 75.0-125      | 116         |       |          |
| Chloroethane " 10.0 ND 7.85 " 75.0-125 78.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ;                                                                                                               | " 10.0               | ND              | 8.52   | 11       | 75.0-125      | 85.2        |       |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | н                                                                                                               | " 10.0               | · ND            | 7.85   | "        | 75.0-125      | 78.5        |       |          |
| Chloroform " 10.0 ND 10.2 " 75.0-125 102                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1. Star | " 10.0               | <sup>-</sup> ND | 10.2   | . 11     | 75.0-125      | 102         |       |          |
| Chloromethane " 10.0 ND 5.90 " 75.0-125 59.0 (                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | е "                                                                                                             | " 10.0               | ND              | 5.90   | 11       | 75.0-125      | 59.0        |       | G2       |
| 2-Chlorotoluene " 10.0 ND 9.61 " 75.0-125 96.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1e "                                                                                                            | " 10.0               | ND              | 9.61   | 11       | 75.0-125      | 96.1        |       |          |
| 4-Chlorotoluene " 10.0 ND 9.77 " 75.0-125 97.7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1e "                                                                                                            | " 10.0               | ND              | 9.77   | 11       | 75.0-125      | 97.7        |       |          |
| Dibromochloromethane " 10.0 ND 11.4 " 75.0-125 114                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | omethane "                                                                                                      | " 10.0               | ND              | 11.4   | 11       | 75.0-125      | 114         |       |          |
| 1,2-Dibromo-3-chloropropane " 10.0 ND 12.1 " 75.0-125 121                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -chloropropane "                                                                                                | " 10.0               | ND              | 12.1   | . "      | 75.0-125      | 121         |       |          |
| 1,2-Dibromoethane " 10.0 ND 11.3 " 75.0-125 113                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | hane "                                                                                                          | " 10.0               | ND              | 11.3   | - 11     | 75.0-125      | 113         |       |          |
| 1,2-Dichlorobenzene " 10.0 ND 17.4 " 75.0-125 174 (                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | enzene "                                                                                                        | " 10.0               | ND              | 17.4   | H        | 75.0-125      | 174         |       | G1       |
| 1,3-Dichlorobenzene " 10.0 ND 10.0 " 75.0-125 100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | enzene "                                                                                                        | " 10.0               | ND              | 10.0   | 11       | 75.0-125      | 100         |       |          |
| 1,4-Dichlorobenzene " 10.0 ND 9.54 " 75.0-125 <b>95.4</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | enzene "                                                                                                        | " 10.0               | ND              | 9.54   | 11       | 75.0-125      | 95.4        |       |          |
| Dichlorodifluoromethane " 10.0 ND 7.90 " 75.0-125 79.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | romethane "                                                                                                     | " 10.0               | ND              | 7.90   | 11       | 75.0-125      | 79.0        |       |          |
| 1,1-Dichloroethane " 10.0 ND 12.0 " 75.0-125 120                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | hane "                                                                                                          | " 10.0               | ND              | 12.0   | 11       | 75.0-125      | 120         |       |          |
| 1,2-Dichloroethane " 10.0 ND 12.0 " 75.0-125 120                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | hane "                                                                                                          | " 10.0               | ND              | 12.0   | H        | 75.0-125      | 120         |       |          |
| 1,1-Dichloroethene "10.0 ND 8.97 "75.0-125 89.7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | hene "                                                                                                          | " 10.0               | ND              | 8.97   | <u>t</u> | 75.0-125      | 89.7        | 1     |          |
| cis-1,2-Dichloroethene " 10.0 ND 8.64 " 75.0-125 86.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | roethene "                                                                                                      | " 10.0               | ND              | 8.64   | 11       | 75.0-125      | 86.4        |       |          |
| trans-1,2-Dichloroethene " 10.0 ND 8.85 " 75.0-125 88.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | loroethene "                                                                                                    | " 10.0               | ND              | 8.85   | H        | 75.0-125      | 88.5        |       |          |
| 1,2-Dichloropropane " 10.0 ND 11.2 " 75.0-125 112                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ropane "                                                                                                        | " 10.0               | ND              | 11.2   | . H      | 75.0-125      | 112         |       |          |
| 1,3-Dichloropropane " 10.0 ND 11.6 " 75.0-125 116                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ropane "                                                                                                        | " 10.0               | ND              | 11.6   | , H      | 75.0-125      | 116         |       |          |
| 2,2-Dichloropropane " 10.0 ND 10.8 " 75.0-125 108                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ropane "                                                                                                        | " 10.0               | ND              | 10.8   | 11       | 75.0-125      | 108         |       |          |
| Di-isopropyl ether " 10.0 ND 9.07 " 75.0-125 90.7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ther "                                                                                                          | " 10.0               | ND              | 9.07   | 11       | 75.0-125      | 90.7        |       |          |
| Ethylbenzene " 10.0 1.99 10.4 " 75.0-125 84.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | "                                                                                                               | " 10.0               | 1.99            | 10.4   | 47       | 75.0-125      | 84.1        |       |          |
| Hexachlorobutadiene " 10.0 ND 8.91 " 75.0-125 89.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | tadiene "                                                                                                       | " 10.0               | ND              | 8.91   | tt       | 75.0-125      | 89.1        |       |          |
| Isopropylbenzene " 10.0 ND 9.32 " 75.0-125 93.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ene "                                                                                                           | " 10.0               | ND              | 9.32   | 44       | 75.0-125      | 93.2        |       |          |
| p-Isopropyltoluene " 10.0 ND 8.21 " 75.0-125 82.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | uene "                                                                                                          | " 10.0               | ND              | 8.21   | 11       | 75.0-125      | 82.1        |       |          |
| Methylene chloride " 10.0 ND 10.3 " 75.0-125 103                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | oride "                                                                                                         | " 10.0               | ND              | 10.3   | 11       | 75.0-125      | 103         |       |          |
| Methyl tert-butyl ether " 10.0 ND 9.19 " 75.0-125 91.9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ityl ether "                                                                                                    | " 10.0               | ND              | 9.19   | 11       | 75.0-125      | 91.9        |       | e        |
| Naphthalene " 10.0 ND 9.14 " 75.0-125 91.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                 | " 10.0               | ND              | 9.14   | **       | 75.0-125      | 91.4        |       |          |
| n-Propylbenzene " 10.0 ND 9.65 " 75.0-125 96.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ene "                                                                                                           | " 10.0               | ND              | 9.65   | **       | 75.0-125      | <b>96.5</b> |       |          |
| 1,1,2,2-Tetrachloroethane " 10.0 ND 10.6 " 75.0-125 106                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | hloroethane "                                                                                                   | " 10.0               | ND              | 10.6   | 11       | 75.0-125      | 106         |       |          |
| Tetrachloroethene " 10.0 ND 10.4 " 75.0-125 104                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | iene "                                                                                                          | " 10.0               | ND              | 10.4   | 11       | 75.0-125      | 104         |       |          |
| Toluene " 10.0 ND 9.33 " 75.0-125 93.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                 | " 10.0               | ND              | 9.33   | 11       | 75.0-125      | 93.3        |       |          |
| 1,2,3-Trichlorobenzene " 10.0 ND 9.27 " 75.0-125 92.7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | obenzene "                                                                                                      | 10.0                 | ND              | 9.27   | 11       | 75.0-125      | 92.7        |       |          |
| 1,2,4-Trichlorobenzene " 10.0 ND 9.66 " 75.0-125 <b>96.6</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | obenzene "                                                                                                      | " 10.0               | ND              | 9.66   | "        | 75.0-125      | 96.6        |       |          |
| 1,1,1-Trichloroethane " 10.0 ND 11.0 " 75.0-125 110                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | oethane "                                                                                                       | " 10.0               | ND              | 11.0   | "        | 75.0-125      | 110         |       |          |

Great Lakes Analytical--Oak Creek

\*Refer to end of report for text of notes and definitions.



#### Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

| O & M, Inc. Project: P & G                           | Sampled: 10/18/01       | 7 |
|------------------------------------------------------|-------------------------|---|
| 5635 N. Shore Drive Project Number: 730-101701       | Received: 10/19/01      |   |
| Whitefish Bay, WI 53217 Project Manager: Eric Frauen | Reported: 11/1/01 10:04 |   |

#### WDNR Volatile Organic Compounds by Method 8021/Quality Control Great Lakes Analytical--Oak Creek

| ſ                            | Date             | Spike        | Sample   | OC           |       | Reporting Limit | Recov.       | RPD   | RPD          |        |
|------------------------------|------------------|--------------|----------|--------------|-------|-----------------|--------------|-------|--------------|--------|
| Analyte                      | Analyzed         | Level        | Result   | Result       | Units | Recov. Limits   | %            | Limit | %            | Notes* |
| · · · ·                      |                  |              |          |              |       |                 |              | •     |              |        |
| Matrix Spike (continued)     | <u>1100090-M</u> | <u>S1 W1</u> | 10167-01 |              |       |                 |              |       |              |        |
| 1,1,2-Trichloroethane        | 10/26/01         | 10.0         | ND       | 10.8         | ug/1  | 75.0-125        | 108          |       |              |        |
| Trichloroethene              | 11               | 10.0         | ND       | 8.91         | **    | 75.0-125        | 89.1         |       |              |        |
| Trichlorofluoromethane       |                  | 10.0         | ND       | 10.1         | H .   | 75.0-125        | 101          |       |              |        |
| 1,2,4-Trimethylbenzene       | **               | 10.0         | ND       | 9.49         |       | 75.0-125        | 94.9         |       |              |        |
| 1,3,5-Trimethylbenzene       | <b></b>          | 10.0         | ND       | 9.21         | **    | 75.0-125        | 92.1         |       |              |        |
| Vinyl chloride               |                  | 10.0         | ND       | 7.75         | 11    | 75.0-125        | 77.5         |       |              |        |
| Total Xylenes                | "                | 30.0         | 1.69     | 28.3         | н.    | 75.0-125        | 88.7         |       |              |        |
| Surrogate: 1-Cl-4-FB (ELCD)  | "                | 10.0         |          | 10.1         | "     | 80.0-120        | 101          |       |              |        |
| Surrogate: 1-Cl-4-FB (PID)   | "                | 10.0         |          | 9.97         | "     | 80.0-120        | <i>99.7</i>  |       |              |        |
| Matrix Spile Dup             | 110000-M         | SD1 W1       | 10167-01 |              |       | •               |              |       |              |        |
| Mairix price Dup<br>Benzene  | 10/26/01         | 100          |          | 0 20         | .ug/1 | 75 0-125        | 02.0         | 20.0  | 2 87         |        |
| Benzene                      | 10/20/01         | 10.0         | ND       | 0.85         | ug/1  | 75.0-125        | 92.0         | 20.0  | 2.07<br>E 95 |        |
| Bromodenzene                 |                  | 10.0         | ND       | 9.0J         |       | 75.0-125        | 100          | 20.0  | 5.65         |        |
|                              |                  | 10.0         | ND       | 10.0         |       | 75.0-125        | 100          | 20.0  | 9.09         | ·      |
| n-Butylbenzene               | "                | 10.0         | ND       | 0.72         |       | 75.0-125        | 07 2         | 20.0  | 10.5         |        |
| sec-BulyIdenzene             |                  | 10.0         | ND       | 9.75         | н     | 75.0-125        | 97.5         | 20.0  | 4.93         |        |
| Certhere the share the state |                  | 10.0         | ND       | 11 4         | н     | 75.0-125        | 90.J         | 20.0  | 0.02         |        |
| Carbon tetrachloride         |                  | 10.0         | ND       | 11.4<br>9.60 |       | 75.0-125        | 114          | 20.0  | 1./4         |        |
| Chlorobenzene                |                  | 10.0         |          | 0.09<br>7.06 |       | 75.0-125        | 00.9<br>70.6 | 20.0  | 1.98         |        |
| Chloroethane                 |                  | 10.0         | ND       | /.80         |       | 75.0-125        | /8.0         | 20.0  | 0.127        |        |
| Chloroform                   |                  | 10.0         |          | 10.5         |       | /5.0-125        | 105          | 20.0  | 2.90         |        |
| Chloromethane                |                  | 10.0         | ND       | 3.87         |       | /5.0-125        | 38.7         | 20.0  | 41.0         | G2     |
| 2-Chlorotoluene              |                  | 10.0         | ND       | 10.4         |       | /5.0-125        | 104          | 20.0  | 7.90         |        |
| 4-Chlorotoluene              |                  | 10.0         | ND       | 10.3         |       | 75.0-125        | 103          | 20.0  | 5.28         |        |
| Dibromochloromethane         |                  | 10.0         | ND .     | 11.4         |       | 75.0-125        | 114          | 20.0  | 0            |        |
| 1,2-Dibromo-3-chloropropane  |                  | 10.0         | ND       | 11.0         |       | 75.0-125        | 110          | 20.0  | 9.52         |        |
| 1,2-Dibromoethane            | "                | 10.0         | ND       | 11.7         |       | 75.0-125        | 117          | 20.0  | 3.48         |        |
| 1,2-Dichlorobenzene          | "                | 10.0         | ND       | 19.2         |       | 75.0-125        | 192          | 20.0  | 9.84         | Gl     |
| 1,3-Dichlorobenzene          | **               | 10.0         | ND       | 10.5         |       | 75.0-125        | 105          | 20.0  | 4.88         |        |
| 1,4-Dichlorobenzene          | 11               | 10.0         | ND       | 10.1         | "     | 75.0-125        | 101          | 20.0  | 5.70         |        |
| Dichlorodifluoromethane      | 17               | 10.0         | ND       | 7.60         | ".    | 75.0-125        | 76.0         | 20.0  | 3.87         |        |
| 1,1-Dichloroethane           | n H              | 10.0         | ND       | 11.9         |       | 75.0-125        | 119          | 20.0  | 0.837        |        |
| 1,2-Dichloroethane           | 11               | 10.0         | ND       | 12.2         | 11    | 75.0-125        | 122          | 20.0  | 1.65         |        |
| 1,1-Dichloroethene           | 11               | 10.0         | ND       | 8.89         | "     | 75.0-125        | 88.9         | 20.0  | 0.896        |        |
| cis-1,2-Dichloroethene       | "                | 10.0         | ND       | 8.72         | "     | 75.0-125        | 87.2         | 20.0  | 0.922        |        |
| trans-1,2-Dichloroethene     | <b>II</b> .      | 10.0         | ND       | 9.18         | 11    | 75.0-125        | 91.8         | 20.0  | 3.66         |        |
| 1,2-Dichloropropane          | "                | 10.0         | ND       | 11.5         | **    | 75.0-125        | 115          | 20.0  | 2.64         |        |
| 1,3-Dichloropropane          | U .              | 10.0         | ND       | 12.0         | 11    | 75.0-125        | 120          | 20.0  | 3.39         |        |

Great Lakes Analytical--Oak Creek

Andrea Stathas, Project Manager



| O & M, Inc.             | Project         | P & G       | Sampled:  | 10/18/01      |
|-------------------------|-----------------|-------------|-----------|---------------|
| 5635 N. Shore Drive     | Project Number  | 730-101701  | Received: | 10/19/01      |
| Whitefish Bay, WI 53217 | Project Manager | Eric Frauen | Reported: | 11/1/01 10:04 |

# WDNR Volatile Organic Compounds by Method 8021/Quality Control Great Lakes Analytical--Oak Creek

|                                      | Date              | Spike  | Sample   | QC     |                         | <b>Reporting Limit</b> | Recov.       | RPD   | RPD      |
|--------------------------------------|-------------------|--------|----------|--------|-------------------------|------------------------|--------------|-------|----------|
| Analyte                              | Analyzed          | Level  | Result   | Result | Units                   | Recov. Limits          | %            | Limit | % Notes* |
|                                      |                   |        |          |        |                         |                        |              |       |          |
| <u> Matrix Spike Dup (continued)</u> | <u>1100090</u> -M | SD1 W1 | 10167-01 |        |                         |                        |              |       |          |
| 2,2-Dichloropropane                  | 10/26/01          | 10.0   | ND       | 11.0   | ug/l                    | 75.0-125               | 110          | 20.0  | 1.83     |
| Di-isopropyl ether                   | . 11              | 10.0   | ND       | 9.37   | 14                      | 75.0-125               | 93.7         | 20.0  | 3.25     |
| Ethylbenzene                         | <br>              | 10.0   | 1.99     | 10.9   | 11                      | 75.0-125               | 89.1         | 20.0  | 5.77     |
| Hexachlorobutadiene                  | 11                | 10.0   | ND       | 9.34   | . 11                    | 75.0-125               | 93.4         | 20.0  | 4.71     |
| Isopropylbenzene                     | H ·               | 10.0   | ND       | 9.91   | *                       | 75.0-125               | 99.1         | 20.0  | 6.14     |
| p-Isopropyltoluene                   | 11                | 10.0   | ND       | 8.77   | **                      | 75.0-125               | 87.7         | 20.0  | 6.60     |
| Methylene chloride                   | 11                | 10.0   | ND       | 10.6   | 11                      | 75.0-125               | 106          | 20.0  | 2.87     |
| Methyl tert-butyl ether              |                   | 10.0   | ND       | 9.56   | 11                      | 75.0-125               | <b>95.</b> 6 | 20.0  | 3.95     |
| Naphthalene                          | 11                | 10.0   | ND       | 10.2   |                         | 75.0-125               | 102          | 20.0  | 11.0     |
| n-Propylbenzene                      | 11                | 10.0   | ND       | 10.1   | а. <mark>Н</mark> . – с | 75.0-125               | 101          | 20.0  | 4.56     |
| 1,1,2,2-Tetrachloroethane            | 11                | 10.0   | ND       | 10.4   | 11                      | 75.0-125               | 104          | 20.0  | 1.90     |
| Tetrachloroethene                    | 17 .              | 10.0   | ND       | 9.67   | "                       | 75.0-125               | 96.7         | 20.0  | 7.27     |
| Toluene                              | 11                | 10.0   | ND       | 9.61   | "                       | 75.0-125               | 96.1         | 20.0  | 2.96     |
| 1,2,3-Trichlorobenzene               | 11                | 10.0   | ND       | 10.0   | "                       | 75.0-125               | 100          | 20.0  | 7.58     |
| 1,2,4-Trichlorobenzene               | 11                | 10.0   | ND       | 10.7   | 94                      | 75.0-125               | 107          | 20.0  | 10.2     |
| 1,1,1-Trichloroethane                |                   | 10.0   | ND       | 11.0   | "                       | 75.0-125               | 110          | 20.0  | 0        |
| 1,1,2-Trichloroethane                |                   | 10.0   | ND       | 12.5   | *                       | 75.0-125               | 125          | 20.0  | 14.6     |
| Trichloroethene                      | Ħ                 | 10.0   | ND       | 8.56   | 11                      | 75.0-125               | 85.6         | 20.0  | 4.01     |
| Trichlorofluoromethane               | <b>n</b> - 1      | 10.0   | ND       | 10.3   | · H                     | 75.0-125               | 103          | 20.0  | 1.96     |
| 1,2,4-Trimethylbenzene               | <b>H</b>          | 10.0   | ND       | 10.1   |                         | 75.0-125               | 101          | 20.0  | 6.23     |
| 1,3,5-Trimethylbenzene               | Ħ                 | 10.0   | ND       | 9.74   | H.                      | 75.0-125               | 97.4         | 20.0  | 5.59     |
| Vinyl chloride                       |                   | 10.0   | ND       | 8.18   | "                       | 75.0-125               | 81.8         | 20.0  | 5.40     |
| Total Xylenes                        | 11                | 30.0   | 1.69     | 30.1   | "                       | 75.0-125               | 94.7         | 20.0  | 6.54     |
| Surrogate: 1-Cl-4-FB (ELCD)          | "                 | 10.0   |          | 10.2   | "                       | 80.0-120               | 102          |       |          |
| Surrogate: 1-Cl-4-FB (PID)           | "                 | 10.0   |          | 10.1   | n                       | 80.0-120               | 101          |       |          |

Great Lakes Analytical--Oak Creek

Andrea Stathas, Project Manager



| O & M, Inc.             | Project: P & G               | Sampled: 10/18/01       |
|-------------------------|------------------------------|-------------------------|
| 5635 N. Shore Drive     | Project Number: 730-101701   | Received: 10/19/01      |
| Whitefish Bay, WI 53217 | Project Manager: Eric Frauen | Reported: 11/1/01 10:04 |

#### Dissolved Metals by EPA 6000/7000 Series Methods/Quality Control Great Lakes Analytical

|                  | Date              | Spike           | Sample        | QC     |        | <b>Reporting Limit</b> | Recov.   | RPD     | RPD  |        |
|------------------|-------------------|-----------------|---------------|--------|--------|------------------------|----------|---------|------|--------|
| Analyte          | Analyzed          | Level           | Result        | Result | Units  | Recov. Limits          | %        | Limit   | %    | Notes* |
| Batch: 1100500   | Date Prepa        | red: 10/2       | <u>6/01</u> , |        | Extrac | tion Method: G         | eneral P | ep Meta | ls   |        |
| Lead             | 10/26/01          |                 |               | ND     | mg/1   | 0.00500                |          |         |      |        |
| LCS              | 1100500-BS        | 51              |               |        |        |                        |          |         |      |        |
| Lead             | 10/26/01          | 0.0240          |               | 0.0213 | mg/l   | 63.2-127               | 88.8     |         |      |        |
| Matrix Spike     | <u>1100500</u> -M | <b>S1 W</b> 1   | 10185-03      |        |        |                        |          |         |      |        |
| Lead             | 10/26/01          | 0.0240          | ND            | 0.0213 | mg/l   | 24.5-184               | 88.8     |         |      |        |
| Matrix Spike Dup | 1100500-M         | <b>SD1</b> . W1 | 10185-03      |        |        |                        |          |         |      |        |
| Lead             | 10/26/01          | 0.0240          | ND            | 0.0213 | mg/l   | 24.5-184               | 88.8     | 9.72    | 0.00 |        |

Great Lakes Analytical--Oak Creek

Andrea Stathas, Project Manager



| O & M, Inc. Project:                     | P&G         | Sampled:  | 10/18/01      |
|------------------------------------------|-------------|-----------|---------------|
| 5635 N. Shore Drive Project Number:      | 730-101701  | Received: | 10/19/01      |
| Whitefish Bay, WI 53217 Project Manager: | Eric Frauen | Reported: | 11/1/01 10:04 |

### Polynuclear Aromatic Compounds by EPA Method 8310/Quality Control Great Lakes Analytical

|                          | Date             | Spike     | Sample | QC     | ]      | Reporting Limit | Recov.  | RPD   | RPD |        |
|--------------------------|------------------|-----------|--------|--------|--------|-----------------|---------|-------|-----|--------|
| Analyte                  | Analyzed         | Level     | Result | Result | Units  | Recov. Limits   | %       | Limit | %   | Notes* |
|                          |                  |           |        |        |        |                 |         |       |     |        |
| Batch: 1100412           | Date Prepa       | red: 10/2 | 2/01   |        | Extrac | tion Method: EP | A 35100 | 2     |     |        |
| Blank                    | <u>1100412-B</u> | LK1       |        |        |        |                 |         |       |     |        |
| Acenaphthene             | 10/22/01         |           |        | ND     | ug/l   | 5.00            |         |       |     |        |
| Acenaphthylene           | н                |           |        | ND     | 11     | 5.00            |         |       |     |        |
| Anthracene               | 11               | -         |        | ND     | t#     | 5.00            |         |       |     |        |
| Benz (a) anthracene      | "                |           |        | ND     | "      | 0.100           |         |       |     |        |
| Benzo (a) pyrene         | "                |           |        | ND     | "      | 0.0200          |         |       |     |        |
| Benzo (b) fluoranthene   | 11               |           |        | ND     | "      | 0.0200          |         |       |     |        |
| Benzo (ghi) perylene     | 8                |           |        | ND     | "      | 5.00            |         |       |     |        |
| Benzo (k) fluoranthene   |                  |           |        | ND     | n      | 0.100           |         |       |     | •      |
| Chrysene                 | 17               |           |        | ND     | н      | 0.0200          |         |       |     |        |
| Dibenz (a,h) anthracene  | 11               |           |        | ND     |        | 0.100           |         |       |     |        |
| Fluoranthene             | "                |           |        | ND     | н      | 5.00            |         |       |     |        |
| Fluorene                 | <b>H</b>         |           |        | ND     | н      | 5.00            |         |       |     |        |
| Indeno (1.2.3-cd) pyrene | "                |           | 1.25   | ND     | н      | 0.200           |         |       |     |        |
| 1-Methylnaphthalene      |                  |           |        | ND     |        | 5.00            |         |       |     |        |
| 2-Methylnaphthalene      |                  |           |        | ND     |        | 5.00            |         |       |     |        |
| Naphthalene              | 11               |           |        | ND     |        | 5.00            |         |       |     |        |
| Phenanthrene             |                  |           |        | ND     | н      | 5.00            |         |       |     |        |
| Pyrene                   |                  |           |        | ND     | н      | 5.00            |         |       |     |        |
| Surrogate: Carbazole     | 11               | 0.500     |        | 0.585  | "      | 24.5-122        | 117     |       |     |        |
|                          |                  |           |        |        |        |                 |         |       |     |        |
| LCS                      | 1100412-B        | 51        |        |        |        |                 |         |       |     |        |
| Acenaphthene             | 10/22/01         | 2.00      |        | 1.76   | ug/l   | 23.9-107        | 88.0    |       |     |        |
| Acenaphthylene           | н                | 2.00      |        | 1.89   | "      | 21.6-101        | 94.5    |       |     |        |
| Anthracene               | n                | 2.00      |        | 1.86   | н      | 24.8-107        | 93.0    |       |     |        |
| Benz (a) anthracene      |                  | 2.00      |        | 1.96   | "      | 32.9-100        | 98.0    |       |     |        |
| Benzo (a) pyrene         |                  | 2.00      |        | 1.88   |        | 23.5-113        | 94.0    |       |     |        |
| Benzo (b) fluoranthene   | н —              | 2.00      |        | 1.96   | **     | 34.5-126        | 98.0    |       |     |        |
| Benzo (ghi) pervlene     | н                | 2.00      |        | 1.64   | **     | 35.7-97.5       | 82.0    |       |     |        |
| Benzo (k) fluoranthene   | H                | 2.00      |        | 1.95   | **     | 42.9-113        | 97.5    |       |     |        |
| Chrysene                 | tr.              | 2.00      |        | 2.64   | **     | 39.9-110        | 132     |       |     |        |
| Dibenz (a h) anthracene  | · n              | 2.00      |        | 1.53   |        | 31.3-92.5       | 76.5    |       |     |        |
| Fluoranthene             |                  | 2.00      |        | 1.95   |        | 36 1-105        | 97.5    |       |     |        |
| Fluorene                 |                  | 2.00      |        | 1.76   | "      | 36 6-99 6       | 88.0    |       |     |        |
| Indeno (123-cd) nurene   |                  | 2.00      | · ·    | 1.70   | "      | 41 5-95 7       | 53.5    |       |     |        |
| 1_Methylnanhthalene      |                  | 2.00      |        | 1 43   | 17     | 20 5-110        | 71 5    |       |     |        |
| 2 Mathylnonhtholene      |                  | 2.00      |        | 1.45   | **     | 20.3-110        | 80.0    |       |     |        |
| 2-weighted and           |                  | 2.00      |        | 1.00   |        | 20.2-109        | 76.0    |       |     |        |
| Naphinalene              |                  | 2.00      |        | 1.52   |        | 22-33.0         | 70.0    |       |     |        |

Great Lakes Analytical--Oak Creek

\*Refer to end of report for text of notes and definitions.



| O & M, Inc.             | Project:         | P&G         | Sampled:  | 10/18/01      |
|-------------------------|------------------|-------------|-----------|---------------|
| 5635 N. Shore Drive     | Project Number:  | 730-101701  | Received: | 10/19/01      |
| Whitefish Bay, WI 53217 | Project Manager: | Eric Frauen | Reported: | 11/1/01 10:04 |

#### Polynuclear Aromatic Compounds by EPA Method 8310/Quality Control Great Lakes Analytical

|                          |         | Date                    | Spike                      | Sample                                 | QC     |        | <b>Reporting Limit</b> | Recov.         | RPD                                 | RPD    |        |
|--------------------------|---------|-------------------------|----------------------------|----------------------------------------|--------|--------|------------------------|----------------|-------------------------------------|--------|--------|
| Analyte                  | 1       | Analyzed                | Level                      | Result                                 | Result | Units  | Recov. Limits          | %              | Limit                               | %      | Notes* |
| LCS (continued)          | ]       | 1100412-B               | S1                         |                                        |        | •      | · • • *                |                |                                     |        |        |
| Phenanthrene             |         | 10/22/01                | 2.00                       |                                        | 1.80   | ug/l   | 25.8-115               | 90.0           | $\gamma_{E^{+}} \rightarrow \gamma$ |        |        |
| Pyrene                   | •       | •                       | 2.00                       |                                        | 1.80   | "      | 31.5-112               | 90.0           |                                     |        |        |
| Surrogate: Carbazole     |         | <i>n</i> .              | 0.500                      | ······································ | 0.584  | "      | 24.5-122               | 117            | ·····                               |        |        |
| LCS Dup                  | 1       | L100412-B               | SD <u>1</u>                |                                        |        |        |                        |                |                                     |        |        |
| Acenaphthene             | ]       | 10/22/01                | 2.00                       |                                        | 1.47   | ug/1   | 23.9-107               | 73.5           | 62.5                                | 18.0   |        |
| Acenaphthylene           | •       | •                       | 2.00                       |                                        | 1.15   | "      | 21.6-101               | 57.5           | 60.7                                | 48.7   |        |
| Anthracene               |         | •                       | 2.00                       |                                        | 1.57   | . ** . | 24.8-107               | 78.5           | 47.4                                | 16.9   |        |
| Benz (a) anthracene      |         | •                       | 2.00                       |                                        | 2.23   |        | 32.9-100               | 112            | 47.4                                | 12.9   |        |
| Benzo (a) pyrene         |         | •                       | 2.00                       |                                        | 1.87   | "      | 23.5-113               | 93.5           | 45.2                                | 0.533  |        |
| Benzo (b) fluoranthene   | '       | 1                       | 2.00                       |                                        | 1.96   | · •    | 34.5-126               | 98.0           | 52.4                                | · 0.00 |        |
| Benzo (ghi) perylene     | •       | •                       | 2.00                       |                                        | 1.53   | · ••   | 35.7-97.5              | 76.5           | 45.4                                | 6.94   |        |
| Benzo (k) fluoranthene   |         |                         | 2.00                       |                                        | 1.89   | . 11   | 42.9-113               | 94.5           | 49.6                                | 3.13   |        |
| Chrysene                 | •       |                         | 2.00                       |                                        | 2.10   | "      | 39.9-110               | 105            | 51.7                                | 22.8   |        |
| Dibenz (a,h) anthracene  | 1       | •                       | 2.00                       |                                        | 1.48   |        | 31.3-92.5              | 74.0           | 53.2                                | 3.32   |        |
| Fluoranthene             | <b></b> | •                       | 2.00                       |                                        | 1.45   | "      | 36.1-105               | 72.5           | 58.8                                | 29.4   |        |
| Fluorene                 | '       | •                       | 2.00                       |                                        | 1.38   | "      | 36.6-99.6              | 69.0           | 52.5                                | 24.2   |        |
| Indeno (1,2,3-cd) pyrene | 6       | it .                    | 2.00                       |                                        | 1.00   | **     | 41.5-95.7              | 50.0           | 45.8                                | 6.76   |        |
| 1-Methylnaphthalene      |         | •                       | 2.00                       |                                        | 0.974  | . "    | 20.5-110               | 48.7           | 50.2                                | 37.9   |        |
| 2-Methylnaphthalene      | • • • • | •                       | 2.00                       |                                        | 0.984  | ".     | 20.9-109               | 49.2           | 53.2                                | 47.7   |        |
| Naphthalene              | •       | •                       | 2.00                       |                                        | 1.38   | 11     | 22-99.8                | 69.0           | 57.2                                | 9.66   |        |
| Phenanthrene             | •       |                         | 2.00                       |                                        | 1.38   |        | 25.8-115               | 69.0           | 55.9                                | 26.4   |        |
| Pyrene                   |         |                         | 2.00                       |                                        | 1.35   | "      | 31.5-112               | 67.5           | 50                                  | 28.6   |        |
| Surrogate: Carbazole     |         | n                       | 0.500                      |                                        | 0.375  | "      | 24.5-122               | 75.0           | · · ·                               |        |        |
| Batch: 1100464<br>Blank  | ]       | Date Prepa<br>1100464-R | ared: <u>10/24/</u><br>LK1 | 01                                     |        | Extra  | ction_Method:_EF       | A <u>3550E</u> | <b>B</b>                            |        |        |
| DIAILA                   | •       |                         |                            |                                        |        | -      |                        |                |                                     |        |        |

| Batch: 1100464          | <b>Date Prepared:</b>                 | 10/24/01 | Extraction M | ethod: EPA 35 |
|-------------------------|---------------------------------------|----------|--------------|---------------|
| Blank                   | <u>1100464-BLK1</u>                   |          | •            |               |
| Acenaphthene            | 10/25/01                              | ND       | ug/kg dry    | 100           |
| Acenaphthylene          | **                                    | ND       | "            | 200           |
| Anthracene              | 11                                    | ND       | "            | 100           |
| Benz (a) anthracene     | 11                                    | ND       |              | 50.0          |
| Benzo (a) pyrene        | II.                                   | ND       | 1 <b>H</b>   | 5.00          |
| Benzo (b) fluoranthene  |                                       | ND       | н.,          | 50.0          |
| Benzo (ghi) perylene    | 11                                    | ND       | "            | 100           |
| Benzo (k) fluoranthene  | 11                                    | ND       | <b>.</b>     | 100           |
| Chrysene                | 11                                    | ND       |              | 100           |
| Dibenz (a,h) anthracene | · · · · · · · · · · · · · · · · · · · | ND .     |              | 5.00          |
| Fluoranthene            | 11                                    | ND       | "            | 100           |
|                         |                                       |          |              |               |

Great Lakes Analytical--Oak Creek

\*Refer to end of report for text of notes and definitions.



| O & M, Inc.              |                  | Project:         | P&G                    | · · · · · ·            |            | Sa            | mpled:  | 10/18/01  |          |
|--------------------------|------------------|------------------|------------------------|------------------------|------------|---------------|---------|-----------|----------|
| 5635 N. Shore Drive      | Proje            | ct Number:       | 730-10170              | )1                     | ,          | Re            | ceived: | 10/19/01  |          |
| Whitefish Bay, WI 53217  | Projec           | t Manager:       | Eric Fraue             | n                      |            | Re            | ported: | 11/1/01 1 | 0:04     |
| Po                       | olynuclear Arom  | atic Comp<br>Gre | ounds by<br>at Lakes A | EPA Meth<br>Analytical | od 8310/Qu | ality Contr   | ol      |           |          |
|                          | Date             | Spike            | Sample                 | QC                     | Rep        | orting Limit  | Recov.  | RPD       | RPD      |
| Analyte                  | Analyzed         | Level            | Result                 | Result                 | Units I    | Recov. Limits | %       | Limit     | % Notes* |
| <b>-</b>                 |                  |                  |                        |                        |            |               |         |           |          |
| Blank (continued)        | <u>1100464-B</u> | LK1              |                        |                        |            |               |         |           |          |
| Fluorene                 | 10/25/01         |                  |                        | ND                     | ug/kg dry  | 100           |         |           |          |
| Indeno (1,2,3-cd) pyrene | "                |                  |                        | ND                     |            | 50.0          |         |           |          |
| 1-Methylnaphthalene      | "                |                  |                        | ND                     | "          | 100           |         |           |          |
| 2-Methylnaphthalene      | "                |                  |                        | ND                     | 11         | 100           |         |           |          |
| Naphthalene              | "                |                  |                        | ND                     | .,         | 100           |         |           |          |
| Phenanthrene             | "                |                  |                        | ND                     |            | 100           |         |           |          |
| Pyrene                   | "                |                  |                        | ND                     |            | 100           |         |           |          |
| Surrogate: Carbazole     | "                | 16.3             |                        | 13.9                   | . #        | 29-132        | 85.3    |           |          |
|                          | 1100464 D        | 01               |                        |                        |            |               |         |           |          |
| LCS                      | 1100464-B        | 21               |                        |                        |            |               |         |           |          |
| Acenaphthene             | 10/25/01         | 66.3             | •                      | /1.1                   | ug/kg dry  | 30.8-120      | 107     |           |          |
| Acenaphthylene           |                  | 66.3             |                        | 74.9                   |            | 38.9-158      | 113     |           |          |
| Anthracene               |                  | 66.3             |                        | 62.5                   |            | 32.9-122      | 94.3    |           |          |
| Benz (a) anthracene      |                  | 66.3             |                        | 97.4                   |            | 40.5-125      | 147     |           |          |
| Benzo (a) pyrene         | "                | 66.3             |                        | 92.0                   | "          | 31.2-128      | 139     |           |          |
| Benzo (b) fluoranthene   | "                | 66.3             |                        | 86.4                   | "          | 45-132        | 130     |           |          |
| Benzo (ghi) perylene     | <b>U</b>         | 66.3             |                        | 191                    | "          | 38.7-137      | NR      |           |          |
| Benzo (k) fluoranthene   |                  | 66.3             |                        | 67.2                   |            | 53.4-125      | 101     |           |          |
| Chrysene                 | 81               | 66.3             |                        | 123                    |            | 46.5-129      | 186     |           |          |
| Dibenz (a,h) anthracene  | "                | 66.3             |                        | 100                    |            | 42.8-134      | 151     |           |          |
| Fluoranthene             | "                | 66.3             |                        | 84.5                   | **         | 37.1-116      | 127     |           |          |
| Fluorene                 | ,11              | 66.3             |                        | 59.6                   | ••         | 40.8-108      | 89.9    |           |          |
| Indeno (1,2,3-cd) pyrene | "                | 66.3             |                        | 69.6                   | **         | 51-115        | 105     |           |          |
| 1-Methylnaphthalene      |                  | 66.3             |                        | 65.3                   | 0          | 28.9-99.1     | 98.5    |           |          |
| 2-Methylnaphthalene      | "                | 66.3             |                        | 71.7                   |            | 28.9-102      | 108     |           |          |
| Naphthalene              | ŧ                | 66.3             |                        | 82.4                   |            | 22.7-116      | 124     |           |          |
| Phenanthrene             |                  | 66.3             |                        | 99.4                   | H          | 29.5-123      | 150     |           |          |
| Pvrene                   | "                | 66.3             |                        | 51.3                   |            | 44.5-118      | 77.4    |           |          |
| Surrogate: Carbazole     | "                | 16.6             |                        | 15.4                   | "          | 29-132        | 92.8    | <u>_</u>  |          |
|                          |                  |                  |                        |                        |            |               |         |           |          |
| Matrix Spike             | <u>1100464-M</u> |                  | 10185-02               | <i></i>                |            |               |         | •         |          |
| Acenaphthene             | 10/25/01         | 77.4             | 51.4                   | 64.2                   | ug/kg dry  | 10-154        | 16.5    |           |          |
| Acenaphthylene           |                  | 77.4             | 59.6                   | 92.4                   |            | 10-176        | 42.4    |           |          |
| Anthracene               | **               | 77.4             | ND                     | 59.6                   |            | 10-114        | 77.0    |           |          |
| Benz (a) anthracene      | **               | 77.4             | 12.7                   | 73.1                   |            | 10-118        | 78.0    |           |          |
| Benzo (a) pyrene         | "                | 77.4             | 16.8                   | 64.5                   | ••         | 10-133        | 61.6    |           |          |
| Benzo (b) fluoranthene   | "                | 77.4             | 31.2                   | 61.6                   |            | 10-126        | 39.3    |           |          |
| Benzo (ghi) perylene     |                  | 77.4             | ND                     | 121                    |            | 10-103        | 156     |           |          |

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\*Refer to end of report for text of notes and definitions.



| O & M, Inc.             | Project:         | P & G       | Sampled:  | 10/18/01      |
|-------------------------|------------------|-------------|-----------|---------------|
| 5635 N. Shore Drive     | Project Number:  | 730-101701  | Received: | 10/19/01      |
| Whitefish Bay, WI 53217 | Project Manager: | Eric Frauen | Reported: | 11/1/01 10:04 |

#### Polynuclear Aromatic Compounds by EPA Method 8310/Quality Control Great Lakes Analytical

| · · · · · · · · · · · · · · · · · · · |                                       | Date                      | Spike         | Sample          | OC     |         | Reporting Limit | Recov.  | RPD   | RPD      |
|---------------------------------------|---------------------------------------|---------------------------|---------------|-----------------|--------|---------|-----------------|---------|-------|----------|
| Analyte                               |                                       | Analyzed                  | Level         | Result          | Result | Units   | Recov. Limits   | %       | Limit | % Notes* |
| h                                     | · · · · · · · · · · · · · · · · · · · |                           |               |                 |        |         | 1               |         |       |          |
| <u> Matrix Spike (continued)</u>      |                                       | <u>1100464</u> -M         | <u>S1 W</u>   | 10185-02        |        |         |                 |         |       |          |
| Benzo (k) fluoranthene                |                                       | 10/25/01                  | 77.4          | 7.57            | 45.9   | ug/kg o | iry 10-112      | 49.5    |       |          |
| Chrysene                              |                                       |                           | 77.4          | 15.9            | 94.2   | "       | 10-121          | 101     |       |          |
| Dibenz (a,h) anthracene               |                                       | 17                        | 77.4          | ND              | 66.1   | "       | 13.9-101        | 85.4    |       |          |
| Fluoranthene                          |                                       | 11                        | 77.4          | 22.6            | 81.8   |         | 10-123          | 76.5    |       |          |
| Fluorene                              |                                       | "                         | 77.4          | 7.24.           | 53.0   | "       | 10-144          | 59.1    |       |          |
| Indeno (1,2,3-cd) pyrene              |                                       | H                         | 77.4          | ND              | 46.1   | "       | 10-103          | 59.6    |       |          |
| 1-Methylnaphthalene                   |                                       | 11                        | 77.4          | 22.9            | 74.7   | **      | 10-113          | 66.9    |       |          |
| 2-Methylnaphthalene                   |                                       | .19                       | 77.4          | 30.8            | 104    |         | 10.6-108        | 94.6    |       |          |
| Naphthalene                           |                                       | 11                        | 77.4          | 37.0            | 93.7   | 11      | 10-132          | 73.3    |       |          |
| Phenanthrene                          |                                       | н .                       | 77.4          | 5.42            | 144    | 11      | 10-130          | 179     |       |          |
| Pyrene                                |                                       | 11                        | 77.4          | 22.9            | 200    |         | 10-145          | NR      |       |          |
| Surrogate: Carbazole                  |                                       | "                         | 19.4          |                 | 20.1   | n       | 29-132          | 104     |       |          |
|                                       |                                       |                           |               |                 |        |         |                 |         |       |          |
| Matrix Spike Dup                      |                                       | <u>11004</u> 64- <u>M</u> | <u>SD1</u> W1 | <u>10185-02</u> |        |         |                 |         |       |          |
| Acenaphthene                          |                                       | 10/25/01                  | 76.9          | 51.4            | 58.1   | ug/kg o | iry 10-154      | 8.71    | 66.4  | 9.98     |
| Acenaphthylene                        |                                       | 11                        | 76.9          | 59.6            | 68.7   | **      | 10-176          | 11.8    | 65.7  | 29.4     |
| Anthracene                            |                                       | 11                        | 76.9          | ND              | 47.5   | **      | 10-114          | 61.8    | 67.1  | 22.6     |
| Benz (a) anthracene                   |                                       | 0 . · · ·                 | 76.9          | 12.7            | 67.6   | 11      | 10-118          | 71.4    | 57.8  | 7.82     |
| Benzo (a) pyrene                      |                                       | 11                        | 76.9          | 16.8            | 60.2   | - 11    | 10-133          | 56.4    | 54.5  | 6.90     |
| Benzo (b) fluoranthene                |                                       | 11                        | 76.9          | 31.2            | 56.8   | 11      | 10-126          | 33.3    | 51.9  | 8.11     |
| Benzo (ghi) perylene                  |                                       | 11 .                      | 76.9          | ND              | 111    |         | 10-103          | 144     | 65.9  | 8.62     |
| Benzo (k) fluoranthene                |                                       | 11                        | 76.9          | 7.57            | 44.0   | . 11    | 10-112          | 47.4    | 59.3  | 4.23     |
| Chrysene                              |                                       |                           | 76.9          | 15.9            | 86.2   | 19      | 10-121          | 91.4    | 65.2  | 8.87     |
| Dibenz (a,h) anthracene               |                                       |                           | 76.9          | ND              | 63.3   | 19      | 13.9-101        | 82.3    | 49.8  | 4.33     |
| Fluoranthene                          |                                       | н .                       | 76.9          | 22.6            | 71.1   | 19      | 10-123          | 63.1    | 58.7  | 14.0     |
| Fluorene                              |                                       |                           | 76.9          | 7.24            | 47.1   | **      | 10-144          | 51.8    | 53.9  | 11.8     |
| Indeno (1,2,3-cd) pyrene              |                                       | 11                        | 76.9          | ND              | 42.8   | 11      | 10-103          | 55.7    | 55.8  | 7.42     |
| 1-Methylnaphthalene                   | · .                                   | 11                        | 76.9          | 22.9            | 65.3   | n       | 10-113          | 55.1    | 75.1  | 13.4     |
| 2-Methylnaphthalene                   |                                       | 11                        | 76.9          | 30.8            | 81.7   | 11      | 10.6-108        | 66.2    | 94.5  | 24.0     |
| Naphthalene                           |                                       |                           | 76.9          | 37.0            | 82.2   | 11      | 10-132          | 58.8    | 62.5  | 13.1     |
| Phenanthrene                          |                                       |                           | 76.9          | 5.42            | 104    | 11      | 10-130          | 128     | 57.4  | 32.3     |
| Pyrene                                |                                       | ".                        | 76.9          | 22.9            | 187    | 17      | 10-145          | NR      | 56.6  | 6.72     |
| Surrogate: Carbazole                  |                                       | "                         | 19.2          |                 | 15.9   | "       | 29-132          | 82.8    |       |          |
| Batch: 1100465                        |                                       | Date Prepa                | red: 10/24    | <u>4/01</u>     |        | Extrac  | tion Method: EP | A 35100 | 2.    |          |
| Blank                                 | ,                                     | <u>1100465-B</u>          | LK1           |                 |        |         |                 |         |       |          |
| Acenaphthene                          |                                       | 10/26/01                  |               |                 | ND     | ug/1    | 5.00            |         |       |          |
| Acenaphthylene                        |                                       | <b>n</b>                  |               |                 | ND     | - H     | 5.00            |         |       |          |

Great Lakes Analytical--Oak Creek

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| O & M, Inc.             | Project:         | P & G       | Sampled:  | 10/18/01      |
|-------------------------|------------------|-------------|-----------|---------------|
| 5635 N. Shore Drive     | Project Number:  | 730-101701  | Received: | 10/19/01      |
| Whitefish Bay, WI 53217 | Project Manager: | Eric Frauen | Reported: | 11/1/01 10:04 |

# Polynuclear Aromatic Compounds by EPA Method 8310/Quality Control Great Lakes Analytical

| <b></b>                               | Date              | Spike      | Sample |   | QC     |            | <b>Reporting Limit</b> | Recov. | RPD   | RPD      |
|---------------------------------------|-------------------|------------|--------|---|--------|------------|------------------------|--------|-------|----------|
| Analyte                               | Analyzed          | Level      | Result |   | Result | Units      | Recov. Limits          | %      | Limit | % Notes* |
| · · · · · · · · · · · · · · · · · · · |                   |            |        |   |        |            |                        |        |       |          |
| Blank (continued)                     | <u>1100465-BI</u> | <b>_K1</b> |        |   |        |            |                        |        |       |          |
| Anthracene                            | 10/26/01          |            | •      |   | ND     | ug/l       | 5.00                   |        |       |          |
| Benz (a) anthracene                   |                   |            |        |   | ND     | "          | <b>0.100</b>           |        |       |          |
| Benzo (a) pyrene                      | "                 |            |        | 1 | ND     | "          | 0.0200                 |        |       |          |
| Benzo (b) fluoranthene                | "                 |            |        |   | ND     |            | 0.0200                 |        |       |          |
| Benzo (ghi) perylene                  | н                 |            |        |   | ND     |            | 5.00                   |        |       | × .      |
| Benzo (k) fluoranthene                | н.                |            |        |   | ND     |            | 0.100                  |        |       |          |
| Chrysene                              | **                |            |        |   | ND     | Ĥ          | 0.0200                 |        |       |          |
| Dibenz (a,h) anthracene               | ••                |            |        | ÷ | ND     |            | 0.100                  |        |       |          |
| Fluoranthene                          | н                 |            |        |   | ND     | "          | 5.00                   |        |       |          |
| Fluorene                              | **                |            |        |   | ND     | ".         | 5.00                   |        |       |          |
| Indeno (1,2,3-cd) pyrene              | **                |            |        |   | ND     | "          | 0.200                  |        |       |          |
| 1-Methylnaphthalene                   | **                |            |        |   | ND     | <b>, "</b> | 5.00                   |        |       |          |
| 2-Methylnaphthalene                   | 10                |            |        |   | ND     |            | 5.00                   |        |       |          |
| Naphthalene                           | 10                |            |        |   | ND     | "          | 5.00                   |        |       |          |
| Phenanthrene                          |                   |            |        |   | ND     | "          | 5.00                   |        |       |          |
| Pyrene                                | "                 |            |        |   | ND     | "          | 5.00                   |        |       |          |
| Surrogate: Carbazole                  | "                 | 0.500      |        |   | 0.357  | "          | 24.5-122               | 71.4   | :     |          |
| LCS                                   | 1100465-BS        | 51         |        |   |        |            |                        |        |       |          |
| Acenaphthene                          | 10/26/01          | 2.00       |        |   | 1.34   | ug/l       | 23.9-107               | 67.0   |       |          |
| Acenaphthylene                        | 11                | 2.00       |        |   | 1.77   |            | 21.6-101               | 88.5   |       |          |
| Anthracene                            |                   | 2.00       |        |   | 1.79   | "          | 24.8-107               | 89.5   |       |          |
| Benz (a) anthracene                   |                   | 2.00       |        |   | 2.04   |            | 32.9-100               | 102    |       |          |
| Benzo (a) pyrene                      |                   | 2.00       |        |   | 1.79   | ۳.         | 23.5-113               | 89.5   |       |          |
| Benzo (b) fluoranthene                |                   | 2.00       |        |   | 2.10   |            | 34.5-126               | 105    |       |          |
| Benzo (ghi) perylene                  | w                 | 2.00       |        |   | 1.79   | 11         | 35.7-97.5              | 89.5   |       |          |
| Benzo (k) fluoranthene                |                   | 2.00       |        |   | 1.73   | H .        | 42.9-113               | 86.5   |       |          |
| Chrysene                              |                   | 2.00       | ·      |   | 2.20   | **         | 39.9-110               | 110    |       |          |
| Dibenz (a,h) anthracene               |                   | 2.00       |        |   | 1.35   |            | 31.3-92.5              | 67.5   |       |          |
| Fluoranthene                          | "                 | 2.00       |        |   | 1.82   | 11         | 36.1-105               | 91.0   |       |          |
| Fluorene                              |                   | 2.00       |        |   | 1.94   |            | 36.6-99.6              | 97.0   |       |          |
| Indeno (1,2,3-cd) pyrene              | "                 | 2.00       |        |   | 0.981  |            | 41.5-95.7              | 49.0   |       |          |
| l-Methylnaphthalene                   |                   | 2.00       |        |   | 1.26   | 11         | 20.5-110               | 63.0   |       |          |
| 2-Methylnaphthalene                   |                   | 2.00       |        |   | 1.56   | . 11       | 20.9-109               | 78.0   |       |          |
| Naphthalene                           |                   | 2.00       |        |   | 1.99   | . 11       | 22-99.8                | 99.5   |       |          |
| Phenanthrene                          |                   | 2.00       |        |   | 1.88   | . 11.      | 25.8-115               | 94.0   |       |          |
| Pyrene                                | "                 | 2.00       |        |   | 1.63   | Ħ          | 31.5-112               | 81.5   |       |          |
| Surrogate: Carbazole                  | "                 | 0.500      |        |   | 0.426  | "          | 24.5-122               | 85.2   |       |          |

Great Lakes Analytical--Oak Creek

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| O & M, Inc.             | Project: P & G               | Sampled: 10/18/01       |
|-------------------------|------------------------------|-------------------------|
| 5635 N. Shore Drive     | Project Number: 730-101701   | Received: 10/19/01      |
| Whitefish Bay, WI 53217 | Project Manager: Eric Frauen | Reported: 11/1/01 10:04 |

#### Polynuclear Aromatic Compounds by EPA Method 8310/Quality Control Great Lakes Analytical

|                          | Date            | Spike | Sample | QC     |            | <b>Reporting Limit</b> | Recov. | RPD   | RPD      |
|--------------------------|-----------------|-------|--------|--------|------------|------------------------|--------|-------|----------|
| Analyte                  | Analyzed        | Level | Result | Result | Units      | Recov. Limits          | %      | Limit | % Notes* |
| I CS Dup                 | 1100465-R       | SD1   |        |        |            |                        |        |       |          |
| A conception of          | 10/26/01        | 2 00  |        | 2 18   | 110/1      | 23 0 107               | 100    | 62.5  | 177      |
| Acenaphthele             | 10/20/01        | 2.00  |        | 1.75   | ug/1<br>11 | 23.3-107               | 075    | 602.5 | 47.7     |
| Acenaphtnylene           |                 | 2.00  |        | 1.75   |            | 21.0-101               | 87.J   | 00.7  | 1.14     |
| Anthracene               |                 | 2.00  |        | 1.99   |            | 24.8-10/               | 99.5   | 47.4  | 10.6     |
| Benz (a) anthracene      |                 | 2.00  |        | 2.58   | "          | 32.9-100               | 129    | 47.4  | 23.4     |
| Benzo (a) pyrene         | N N             | 2.00  |        | 2.06   | 11         | 23.5-113               | 103    | 45.2  | 14.0     |
| Benzo (b) fluoranthene   | H .             | 2.00  |        | 2.17   | 11         | 34.5-126               | 108    | 52.4  | 3.28     |
| Benzo (ghi) perylene     | <b>H</b>        | 2.00  |        | 1.69   | 11         | 35.7-97.5              | 84.5   | 45.4  | 5.75     |
| Benzo (k) fluoranthene   | 11              | 2.00  |        | 2.11   | "          | 42.9-113               | 106    | 49.6  | 19.8     |
| Chrysene                 | u .             | 2.00  |        | 3.57   | · •        | 39.9-110               | 178    | 51.7  | 47.5     |
| Dibenz (a,h) anthracene  | Ħ               | 2.00  | · · ·  | 1.48   | "          | 31.3-92.5              | 74.0   | 53.2  | 9.19     |
| Fluoranthene             | eta Hina da Ali | 2.00  |        | 2.09   | "          | 36.1-105               | 104    | 58.8  | 13.8     |
| Fluorene                 | H .             | 2.00  |        | 2.00   | "          | 36.6-99.6              | 100    | 52.5  | 3.05     |
| Indeno (1,2,3-cd) pyrene |                 | 2.00  |        | 1.09   | 11         | 41.5-95.7              | 54.5   | 45.8  | 10.5     |
| 1-Methylnaphthalene      |                 | 2.00  |        | 1.58   | "          | 20.5-110               | 79.0   | 50.2  | 22.5     |
| 2-Methylnaphthalene      | n               | 2.00  |        | 1.41   | . 11       | 20.9-109               | 70.5   | 53.2  | 10.1     |
| Naphthalene              | W               | 2.00  |        | 1.77   |            | 22-99.8                | 88.5   | 57.2  | 11.7     |
| Phenanthrene             | H               | 2.00  |        | 2.00   |            | 25.8-115               | 100    | 55.9  | 6.19     |
| Pyrene                   |                 | 2.00  |        | 1.71   | . 11       | 31.5-112               | 85.5   | 50    | 4.79     |
| Surrogate: Carbazole     | "               | 0.500 |        | 0.398  | "          | 24.5-122               | 79.6   |       |          |

Great Lakes Analytical--Oak Creek Andrea Stathas, Project Manager



# Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

| 0 & M, Iı             | nc. Project: P & G                                                                                                                                                       | Sampled: 10/18/01                            |  |  |  |  |  |  |  |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|--|--|--|--|--|--|--|
| 5635 N. S             | hore Drive Project Number: 730-101701                                                                                                                                    | Received: 10/19/01                           |  |  |  |  |  |  |  |
| Whitefish             | Bay, WI 53217 Project Manager: Eric Frauen                                                                                                                               | Reported: 11/1/01 10:04                      |  |  |  |  |  |  |  |
| Notes and Definitions |                                                                                                                                                                          |                                              |  |  |  |  |  |  |  |
|                       |                                                                                                                                                                          | · ·                                          |  |  |  |  |  |  |  |
| #                     | Note                                                                                                                                                                     |                                              |  |  |  |  |  |  |  |
| G1                    | The recovery of one or more analytes in the matrix QC (MS/MSD) associated with this acceptance criteria. Refer to the included QC reports for more detail.               | sample is above the laboratory's established |  |  |  |  |  |  |  |
| G12                   | The reporting limit of this sample/analyte is elevated due to sample matrix and/or other effects.                                                                        |                                              |  |  |  |  |  |  |  |
| G2                    | The recovery of one or more analytes in the matrix QC (MS/MSD) associated with this acceptance criteria. Refer to the included QC reports for more detail.               | sample is below the laboratory's established |  |  |  |  |  |  |  |
| T10                   | Diesel Range                                                                                                                                                             |                                              |  |  |  |  |  |  |  |
| T15                   | Late Elevated Baseline                                                                                                                                                   |                                              |  |  |  |  |  |  |  |
| T2                    | Late Peaks                                                                                                                                                               | · ·                                          |  |  |  |  |  |  |  |
| T6                    | Early Peaks                                                                                                                                                              |                                              |  |  |  |  |  |  |  |
| T8                    | Diesel Pattern                                                                                                                                                           |                                              |  |  |  |  |  |  |  |
| 1                     | This sample was analyzed by Great Lakes Analytical in Buffalo Grove, Illinois, WDNR                                                                                      | certification # 999917160.                   |  |  |  |  |  |  |  |
|                       |                                                                                                                                                                          |                                              |  |  |  |  |  |  |  |
| 2                     | The recovery of one or more analytes in the laboratory control QC (BS/BSD) associated established acceptance criteria. Refer to the included QC reports for more detail. | with this sample is above the laboratory's   |  |  |  |  |  |  |  |
| 5                     | The recovery for this analyte is above the laboratory's established acceptance criteria.                                                                                 |                                              |  |  |  |  |  |  |  |
| DET                   | Analyte DETECTED                                                                                                                                                         |                                              |  |  |  |  |  |  |  |
| ND                    | Analyte NOT DETECTED at or above the reporting limit                                                                                                                     |                                              |  |  |  |  |  |  |  |
| NR                    | Not Reported                                                                                                                                                             |                                              |  |  |  |  |  |  |  |
| dry                   | Sample results reported on a dry weight basis                                                                                                                            |                                              |  |  |  |  |  |  |  |
| Recov.                | Recovery                                                                                                                                                                 |                                              |  |  |  |  |  |  |  |
| RPD                   | Relative Percent Difference                                                                                                                                              |                                              |  |  |  |  |  |  |  |
|                       |                                                                                                                                                                          |                                              |  |  |  |  |  |  |  |

Great Lakes Analytical--Oak Creek

Ľ



# CHAIN OF CUSTODY REPORT

1380 Busch Parkway Buffalo Grove, IL 60089-4505 (847) 808-7766 FAX (847) 808-7772

140 E. Ryan Road Oak Creek, WI 53154 (414) 570-9460 FAX (414) 570-9461

| Client:       TAT: 5 DAY 4 DAY 3 DAY 2 DAY 1 DAY         Address:       5635       N: Share Dr.       Address:       Date Results NEEDED:       Std.         Address:       Date Results NeeDeD:       Std.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <u>&lt; 24 HRS.</u> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Address: 5635       N:       Share       Difference       Difference       Difference       Difference       State       Date Results NEEDED:       State         1.3/1.4efish       Bay, Wit       53217       Kubxville, TN       TEMPERATURE UPON RECEIPT:       Mit         Report to: Eric       Frave:       Frave:       State &       Phone #: ( )       Deliverable Package Needed:         Report to: Eric       Frave:       Fax #: ( )       Deliverable Difference       Deliverable Difference                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <u>0</u>            |
| With the fish       Bay, With 53217       Knoxville, Th       TEMPERATURE UPON RECEIPT:       Mith         Report to: Eric       Frax #:       (#14)963-6212       State &       Phone #: ()       Deliverable Package Needed:         Report to: Eric       Frax #:       (#14)963-6212       State &       Phone #: ()       Deliverable Package Needed:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <u>0</u>            |
| Phone #: (414) 963-6212       State &       Phone #: ()       Deliverable Package Needed:         Report to: Eric Frame:       Fax #: (414) 963-6212       Program:       Fax #: ()       Deliverable Package Needed:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                     |
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| Project: P + (2) / # of Bottles / 2 / SAMPLE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                     |
| Sampler: Eczinen 8 8 Preservative Used 8 OK VALVOIS 7 CONTROL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                     |
| $\frac{1}{1} \frac{1}{1} \frac{1}$ |                     |
| FIELD ID, LOCATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 7ATORY<br>JMBER     |
| 1 Carage 1 10/18/01 10:0 5 3XX X X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 185-01              |
| 2 Basement Tank 10:40 5 3XX X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -0L                 |
| 3 MW-Z PID: 11:00 W 5 XXX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | _07                 |
| 4 MW-3<br>PID: 11:15 W 5 XXX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | _09                 |
| [IZ = W ] [IZ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ~05                 |
| 6 MW-4<br>PID: 12:30 W 5 XXX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -06                 |
| Z Sewer East 13:10 W 4 X X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ~U7                 |
| BSewer West W13:20 W/ 4 X X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -08                 |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <u></u>             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | DATE                |
| We Train 7'TOIS 100 TIME TIME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | TIME                |
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| COMMENTS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                     |
| PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | OF                  |

# RJ Lee Group, Inc.

AIHA Accreditation No. 460 NVLAP Accreditation No. 101208-0

350 Hochberg Road · Monroeville, PA 15146 Voice 724-325-1776 · Fax 724-733-1799

# Laboratory Report

O&M 5635 N. Shore Drive Whitefish Bay, WI 53217 Attention: Eric Fraven Telephone: 414-963-6210 

 Report Date
 11/16/2001

 Sample Receipt Date.
 11/12/2001

 RJ Lee Group Job No
 AQH111142

 Client Job No.
 730-110801

 Authorization/P.O. No.
 730-110801

Analysis: Asbestos in Bulk Samples Method: EPA/600/R-93/116

| RJLG Sample<br>Number         | Client<br>Sample Number                         | Homogeneous           | Asbestos Detected(%) | Non-Asbestos Fibers(%) | Nón-Fibrous<br>Materials(%) | Matrix Material | Analys | Analysis<br>t Date |
|-------------------------------|-------------------------------------------------|-----------------------|----------------------|------------------------|-----------------------------|-----------------|--------|--------------------|
| AOH111142-1<br>Description: T | GARAGE CEILING<br>an Fibrous Material/Oliv      | Yes<br>e Green Paint  | ND                   | 95 CE                  | 5 %                         | М               | BJW    | 11/16/2001         |
| AOH111142-2<br>Description: V | GARAGE WALL<br>White Plaster/Tan Paper          | Yes                   | ND                   | 7 CE                   | 93 %                        | CA, M           | BJW    | 11/16/2001         |
| AOH111142-3<br>Description: T | CEILING TILE 6<br>an Fibrous Ceiling Tile/W     | Yes<br>/hite Paint    | ND                   | 40 CE, 30 MW           | 30 %                        | Р, В, ОР, М     | BJW    | 11/16/2001         |
| AOH111142-4<br>Description: T | WALL BOARD 6<br>an Fibrous Material/Whi         | Yes<br>te Paint       | ND                   | 95 CE                  | 5 %                         | М               | BJW    | 11/16/2001         |
| AOH111142-5<br>Description: T | CEILING TILE 7<br>`an Fibrous Ceiling Tile/W    | Yes<br>/hite Paint    | ND                   | 35 CE, 35 MW           | 30 %                        | P, B, OP, M     | BJW    | 11/16/2001         |
| AOH111142-6<br>Description: V | DRY WALL 7<br>Vhite Plaster/Tan Paper           | Yes                   | ND                   | 5 CE, 5 FG             | 90 %                        | CA, M           | BJW    | 11/16/2001         |
| AOH111142-7<br>Description: T | CEILING TILE KITCH<br>an Fibrous Ceiling Tile/W | EN Yes<br>Vhite Paint | ND                   | 95 CE                  | 5 %                         | Μ               | BJW    | 11/16/2001         |
Laboratory Report (cont.)

AIHA Accreditation No. 460 NVLAP Accreditation No.

RJ Lee Group Job No: AOH111142 Client Job No: 730-110801

| RJLG Sample<br>Number | Client<br>Sample Number     | Homogeneous | Asbestos Detected(%) | Non-Asbestos Fibers(%) | Non-Fibrous<br>Materials(%) | Matrix Material | Analyst | Analysis<br>Date |
|-----------------------|-----------------------------|-------------|----------------------|------------------------|-----------------------------|-----------------|---------|------------------|
| AOH111142-8           | CEILING TILE FRONT<br>PORCH | r Yes       | ND                   | 95 CE                  | 5 %                         | Μ               | BJW     | 11/16/2001       |
| Description: '        | Tan Fibrous Material/Whit   | te Paint    |                      |                        | \$                          |                 |         |                  |

Page 2 of 3

#### AIHA Accreditation No. 460 NVLAP Accreditation No. 101208-0

#### Laboratory Report (cont.)

RJ Lee Group Job No: AOH111142

Authorized Signature

Barbara J. Woodside, Microscopist

ASBESTOS

- AM = Amosite
- AC = Actinolite
- AN = Anthophyllite
- CH = Chrysotile
- CR = Crocidolite
- TR = Tremolite

- NON-ASBESTOS
- CE = Cellulose
- MW = Mineral Wool
- FG = Fibrous Glass
- SF = Synthetic Fibers OF = Other Fibers
- OF = Other Fibers

#### NON-FIBROUS MATERIALS

AM = Amphibole B = Binder CA = Carbonates CL = Clay F = Feldspar

= Gypsum

G

- OP = Opaque
- OR = Organic P = Perlite

- **DISCLAIMER NOTES**
- "ND" indicates no asbestos was detected; the method detection limit is 1%.
- "Trace" or "<1" indicates asbestos was identified in the sample, but the concentration is less than the method quantitation limit of 1%. PLN coefficients of variance range from approximately 1.8 at the quantitation limit of 1% to 0.1 at high fiber concentrations.
- Samples are archived for three months following analysis and are then properly discarded.
- These results are submitted pursuant to RJ Lee Group's current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions.
- No responsibility or liability is assumed for the manner in which these results are used or interpreted.
- This test report relates to the items tested.
- This report is not valid unless it bears the name of a NVLAP-approved signatory.
- Any reproduction of this document must include the entire document in order for the report to be valid.
- This report may not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.
- Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar nonfriable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as "non-asbestos-containing."

# A0H111142

# RI LeeGroun, Inc.

F192095

| <u> </u>             | ,                                                   | -                                                                         |                                       |                                                        |                                                          |                           |                              |                                                  | For RJ L                            | æ Group  | a Use (           | Daly jF         | age                                   |             |
|----------------------|-----------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------|--------------------------------------------------------|----------------------------------------------------------|---------------------------|------------------------------|--------------------------------------------------|-------------------------------------|----------|-------------------|-----------------|---------------------------------------|-------------|
|                      |                                                     | Rec                                                                       | uest fo                               | r Lahora                                               | tory                                                     | Ser                       | vices                        | Proj                                             | ect No.                             |          |                   |                 |                                       |             |
|                      |                                                     |                                                                           | 1                                     |                                                        | J                                                        |                           |                              | Date                                             | Logged                              |          |                   | By              |                                       |             |
|                      | Name FRIL Fraven                                    | Title                                                                     |                                       |                                                        | Purch                                                    | ase Orde                  | 1 No. 73                     | 0-110                                            | X01                                 | Clier    | nt Job I          | No.             |                                       |             |
| E2                   | Company OY M                                        |                                                                           | · · · · · · · · · · · · · · · · · · · |                                                        |                                                          | and                       | Name                         | iori e                                           | Sillicer                            |          |                   |                 |                                       |             |
| 93                   | Mailing Address 450 Marti                           | bail-Leon                                                                 | - 56.                                 | 35 N. She                                              | TR. DP                                                   | ела                       | Company                      | 07                                               | nv                                  |          |                   |                 |                                       |             |
| ແລິ                  | City Krexville Le hite                              | 15h BELISTAIC                                                             | Lift Zip                              | 35349 532                                              |                                                          | voice                     | Address                      | 450                                              | Nort                                | havit    |                   |                 |                                       |             |
| H4                   | Telephone (1/14) 763-6                              | 2/0 Fax                                                                   | 414 01-                               | 2-6212                                                 | "                                                        | То                        | City //                      | 1.50                                             | 11.101.11                           | brock    | <u>- La</u><br>Si |                 | 7in 779                               | 10          |
| Date Re              | esuly Required Rush Charges Author<br>to . Yes N    | nized? Phone Resul                                                        | (Comple                               | te if applicable)                                      |                                                          | ioter analy               | sis type and                 | AN<br>check the                                  | ALYSIS                              |          | STED              | era Prif Pre    | servative adde                        | ·/          |
| Special              | Instructions: (Method, limit of detect              | tion, etc.)                                                               |                                       | Drinking Water                                         |                                                          | <u> </u>                  | 1                            | $\overline{\mathcal{N}}$                         |                                     | 77       | 7                 | 77              | 7                                     |             |
| -                    |                                                     |                                                                           |                                       | State Where                                            | 10 SI                                                    | }                         | $ / \mathcal{Z} $            | / /                                              |                                     |          |                   |                 |                                       |             |
| *Explan              | nation of Preservative:                             |                                                                           |                                       | Collected                                              | nber                                                     |                           | 507.0                        |                                                  | //                                  | / /      | /                 |                 | FOR LA                                | UB<br>LY    |
| c                    | LIENT SAMPLE IDENTIFICATION                         | DATE<br>SAMPLED                                                           | MATRDX/<br>MEDIA                      | AIR VOLUME<br>(specify units)                          | N N N                                                    | × B                       | ¥¥,                          | //                                               |                                     |          |                   |                 | • • • •                               |             |
| Gal                  | rage Ceiling                                        | 11/7/01                                                                   |                                       |                                                        | 11                                                       | $\mathbf{X}$              |                              |                                                  | Í                                   |          |                   |                 | · · · · · · · · · · · · · · · · · · · | ~           |
| C-1                  | rade Wall ?                                         | , , , ,                                                                   |                                       | 1                                                      | 11                                                       | X                         |                              |                                                  |                                     | i        |                   |                 |                                       |             |
| Ce                   | iling Tile 6                                        |                                                                           |                                       | 1                                                      | 11                                                       | $\times$                  |                              |                                                  |                                     |          |                   |                 |                                       |             |
| Wa                   | 11 Board 6                                          |                                                                           |                                       | )                                                      | 11                                                       | X                         | - <u>T</u>                   |                                                  |                                     | i i      |                   |                 |                                       | · .         |
| Ce                   | iling Tile 7                                        |                                                                           |                                       | <u> </u>                                               | 11_                                                      | $\times$                  | <u> </u>                     |                                                  |                                     |          |                   |                 |                                       |             |
| <u>Dr</u>            | y wall 7                                            |                                                                           |                                       | j                                                      |                                                          | XL                        |                              |                                                  |                                     |          |                   |                 |                                       |             |
|                      | iling Tile Kitche                                   | n                                                                         |                                       |                                                        |                                                          | XL                        |                              |                                                  |                                     |          |                   |                 |                                       |             |
| <u>_Ce</u>           | iling Tile Front Po                                 | rchl                                                                      |                                       | ļ                                                      |                                                          | $\mathbf{X}_{\mathbf{x}}$ |                              |                                                  | <u> </u>                            |          |                   |                 |                                       |             |
| <u>_P</u> z          | unt 2 8                                             |                                                                           |                                       |                                                        |                                                          |                           | <u>&lt;</u>                  |                                                  |                                     |          | Į                 |                 |                                       |             |
| <u>Pa</u>            | int Stairway                                        |                                                                           |                                       | <u></u>                                                |                                                          | $\square$                 | <u> </u>                     |                                                  |                                     | <u> </u> |                   |                 |                                       |             |
| <u>    ťa</u> i      | nt Front Torch                                      |                                                                           | _                                     | \$<br>;<br>{                                           | <u>}</u>                                                 |                           |                              |                                                  |                                     |          | į                 |                 |                                       |             |
| Pa                   | int Kitchen                                         |                                                                           |                                       |                                                        |                                                          | ×                         |                              |                                                  |                                     |          |                   |                 |                                       |             |
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|                      |                                                     |                                                                           |                                       | ·<br>                                                  | <u> </u>                                                 | ļ                         |                              |                                                  |                                     |          |                   | <u> </u>        |                                       |             |
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| Chuir                | Relinguisted by                                     | dure D                                                                    | <u>::::  /8/0</u>                     | (Time: 4.15                                            | inecci                                                   | <u> </u>                  | 1 L. Ne                      | <u></u>                                          |                                     |          | 22:#:             | 1-12-01         | 1701 (210                             | <u>s Pr</u> |
| )()<br>              | Reinquished by: V                                   | <u>.</u>                                                                  | 51 <del>0</del> 1                     | Time:                                                  | Necei                                                    | red at La                 | <u>) bv:</u>                 |                                                  | ······                              | 1        | Dare:             | -               | . IENS:                               |             |
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| esse 703<br>12 GI RJ | turn completed form to<br>Lee Group's Laborateries: | 350 Hochberg Rei<br>Moorceville, PA<br>(724) 325-1776<br>(724) 733-1799 - | 2:<br>:5146-1310<br>F2x               | 530 McCor<br>Sar, Leccar<br>(510) 567-6<br>(510) 567-6 | 72:02 Sir<br>6. CA 9<br>2-89<br>24:88 - Pa<br>24:88 - Pa | 26:<br>4527<br>3          | 1653<br>Nier<br>(703<br>(763 | 0 34412V<br>28585, 774<br>1 368-792<br>2 368-776 | ie + Perkw<br>19109<br>0<br>1 • Paz | âÿ       |                   |                 |                                       |             |

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AIHA Accreditation No. 460 NVLAP Accreditation No. 101208-0

350 Hochberg Road · Monroeville, PA 15146 Voice 724-325-1776 · Fax 724-733-1799

# Laboratory Report

O&M 5635 N. Shore Drive Whitefish Bay, WI 53217 Attention: Eric Fraven Telephone: 414-963-6210

| Report Date            | 11/26/2001 |
|------------------------|------------|
| Sample Receipt Date.   | 11/23/2001 |
| RJ Lee Group Job No    | AOH111228  |
| Client Job No.         | 730/110801 |
| Authorization/P.O. No. | 730/110801 |

Analysis: Asbestos in Bulk Samples Method: EPA/600/R-93/116

| RJLG Sample<br>Number                 | Client<br>Sample Number                         | Homogeneous                       | Asbestos Detected(%) | Non-Asbestos Fibers(%) | Non-Fibrous<br>Materials(%) | Matrix Material | Analysis<br>Analyst Date |
|---------------------------------------|-------------------------------------------------|-----------------------------------|----------------------|------------------------|-----------------------------|-----------------|--------------------------|
| AOH111228-1<br>Description: 0         | EAST PORCH<br>Drange Tile                       | Yes                               | ND                   | -                      | 100 %                       | CA, M           | BJW 11/26/2001           |
| AOH111228-2<br>Description: Y         | NORTH PORCH<br>Tellow Floor Tile                | Yes                               | <1 CH                |                        | 100 %                       | CA, M           | BJW 11/26/2001           |
| AOH111228-3                           | BATHROOM                                        | No                                | ND                   | <1 CE                  | 100 %                       | CA, M           | BJW 11/26/2001           |
| Description: V<br>Layer 9<br>content: | Vhite/Tan/Gray Flooring<br>6% Flooring-100 NFM; | g/Black Mastic<br>4% Mastic-1 Cel | 1 99 NFM             |                        |                             | •<br>•<br>•     |                          |

#### AIHA Accreditation No. 460 NVLAP Accreditation No. 101208-0

#### Laboratory Report (cont.)

RJ Lee Group Job No: AOH111228

Authorized Signature Barbara J. Woodside, Microscopist NON-FIBROUS MATERIALS ASBESTOS NON-ASBESTOS = Cellulose AM = AmphiboleHY = Hydromagnesite Q = QuartzAM = AmositeCE = Binder M = Miscellaneous= Tar AC = ActinoliteMW = Mineral Wool В Т MI = MicaV = Vermiculite AN = Anthophyllite = Fibrous Glass CA = Carbonates FG SF CL = ClayOP = OpaqueCH = Chrysotile= Synthetic Fibers = Feldspar OR = Organic OF = Other Fibers F CR = Crocidolite= Gypsum P = Perlite TR = TremoliteG

#### DISCLAIMER NOTES

• "ND" indicates no asbestos was detected; the method detection limit is 1%.

• "Trace" or "<1" indicates asbestos was identified in the sample, but the concentration is less than the method quantitation limit of 1%. PLM coefficients of variance range from approximately 1.8 at the quantitation limit of 1% to 0.1 at high fiber concentrations.

• Samples are archived for three months following analysis and are then properly discarded.

• These results are submitted pursuant to RJ Lee Group's current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions. No responsibility or liability is assumed for the manner in which these results are used or interpreted.

• This test report relates to the items tested.

• This report is not valid unless it bears the name of a NVLAP-approved signatory.

• Any reproduction of this document must include the entire document in order for the report to be valid.

• This report may not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

• Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar nonfriable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as "non-asbestos-containing."

| J LeeGroup, Inc.                                     |               |             |                  |             |              |              | Ţ           | For                | RJ Lee (   | Scoup Us     | e Only              | Page                                   |        |
|------------------------------------------------------|---------------|-------------|------------------|-------------|--------------|--------------|-------------|--------------------|------------|--------------|---------------------|----------------------------------------|--------|
|                                                      | Requ          | lest for    | . Labora         | tory        | Serv         | ices         | ]<br>  1    | Project N          | ю.<br>тес  |              | <b>ب</b> ور         |                                        |        |
| Name Frie Francis                                    | Title P       |             | + Malazca        | -Purch      | se Order     | No.          | 1           | JAIL LOE           | <u>gos</u> | Client Jo    | b No. 7             | 30                                     |        |
| Company O+M. Inc.                                    |               | <u></u>     | 2                | ª           |              | Name         | 100         |                    | illing     | PC           |                     |                                        |        |
| Mailing Address 5635 N. Sh                           | ore I         | <u>کر ا</u> |                  | - Tay       | eno          | Compa        | iny O       | +M                 | . ~        | ]            |                     |                                        |        |
| 3 CityWhiteFish Bay                                  | State L       | I Zip       | 53217            |             | roice<br>roi | Addres       | 55 H4       | <u>50 P</u>        | lonth      | orook        | Lan                 | e                                      |        |
| Telephone 414-963-6210                               | Fax 4         | 14-96       | 3-6212           |             |              | City         | <u>(nox</u> | ville              | -          |              | State Th            | / Zip 3*                               | 791    |
| State Results Required Rush Charges Authonzed?       | Phone Results | (Complet    | e if applicable) | l œ         | nter analys  | sis type a   | and chec    | ANAL)<br>k the box | to indicat | e request; l | ED<br>Enter a 'P' H | Preservative at                        | dded.) |
| pecial Instructions: (Method, limit of detection, et | c.)           | ים          | Drinking Water   | 44 50       |              | /            | 17          | 1                  | 17         | ~            | 17                  | 11                                     |        |
|                                                      |               |             | State Where      | or o<br>ner |              | 10           | / /         | / /                |            | / /          | //                  | FOR                                    | LAR    |
| xplanation of Preservative:                          |               | (           | Collected        | ntai        |              | 5            |             | / /                |            | //           | //                  | USE C                                  | DNLY   |
| CLIENT SAMPLE IDENTIFICATION                         | DATE          | INTATEDAY   | AIR VOLUME       | 20          | 15           | 7 /          |             |                    | //         | //           |                     |                                        |        |
| Fast Porch                                           | 11/20/01      | Solid       | (specity units)  |             | X            |              |             |                    | 1-1        | <u> </u>     | f                   |                                        |        |
| North Porch                                          | 11/- /        | 1           |                  | ji          | X            | -            |             | 1                  |            |              |                     |                                        |        |
| 32throom                                             | V             | J J         |                  | 11          | XI           |              |             |                    |            |              |                     |                                        |        |
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| CERCUINCE BY                                         | <u>1349</u>   | <u>.</u>    | <u> </u>         | deceiv      | 20 37 1.20   | ) <u>by:</u> |             |                    |            | - iDate      |                     | Tine:                                  |        |
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AIHA ELLAP #8204 CA ELAP #1970 PA DEP #02-396

Monroeville, PA - San Leandro, CA - Washington, DC

350 Hochberg Road Monroeville, PA 15146 Phone (724) 325-1776 Fax (724) 733-1799

#### LABORATORY REPORT

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|------------------|-----------------------|------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------------------------------|
| O & M            |                       |                                                                                                                  | RJ Lee Group Job No.: | INH111707                                    |
| 5635 N. Shore Dr | r                     | · · · · ·                                                                                                        | Samples Received:     | 12-Nov-01                                    |
| Whitefish Bay, W | /I 53217              |                                                                                                                  | Report Date:          | 12-Nov-01                                    |
| Attention:       | Eric Fraven           |                                                                                                                  | Client Project:       | NA                                           |
| 414-963-6210     | FAX: 414-963-6212     |                                                                                                                  | Purchase Order No.:   | 730-110801                                   |
|                  |                       |                                                                                                                  | Sampling Date:        | 7-Nov-01                                     |
| Analysis:        | Lead in Paint         |                                                                                                                  |                       |                                              |
| Method           | EDA SW846-7420 EL A A |                                                                                                                  |                       |                                              |

|                   | <u></u>      | <br>L     | ead       | <br> | · · · · · · · · · · · · · · · · · · · | <u></u> | ····· |  |
|-------------------|--------------|-----------|-----------|------|---------------------------------------|---------|-------|--|
| Sample Ide        | entification | Weight    | Parts per |      |                                       |         |       |  |
| Client            | RJ Lee Group | Percent   | Million   | <br> |                                       |         |       |  |
| Paint 8           | 0343854      | <br>0.628 | 6,280     |      |                                       |         |       |  |
| Paint Stairway    | 0343855      | 6.26      | 62,600    |      |                                       |         |       |  |
| Paint Front Porch | 0343856      | 0.446     | 4,460     |      |                                       |         |       |  |
| Paint Kitchen     | 0343857      | 0.652     | 6,520     |      |                                       |         |       |  |

These results are submitted pursuant to RJ Lee Group's current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions. No responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, RJ Lee Group will store the samples for a period of ninety (90) days before discarding. A shipping and handling fee will be assessed for the return of any samples.

S. Paul Cohen, Laboratory Manager Brandon J. M iller, Assistant Scientist Ryan B. Walters, Assistant Scientist



Kimberly S. DiNatale, Scientist Philip Grindle, Supervisor Melisa Varner, Assistant Scientist

Alan M. Levine, Manager

Authorized Signature 11/12/01 Date

Please direct inquiries to Brandon J. Miller in Client Services.

- 1

| Ey Lecoronp; III                            | <b>C</b> ,                              |                  |                         |                        |                   |                 | I                    | For RJ Le           | e Group     | Use Only           | Page                                   |
|---------------------------------------------|-----------------------------------------|------------------|-------------------------|------------------------|-------------------|-----------------|----------------------|---------------------|-------------|--------------------|----------------------------------------|
|                                             | Rea                                     | nest for         | r Lahora                | tory                   | Serv              | ices            | Proje                | ect No.             |             |                    |                                        |
|                                             |                                         |                  |                         |                        |                   |                 | Date                 | Logged              |             | By                 |                                        |
| · Name FAIL Frayer                          | Title                                   |                  |                         | Purcha                 | se Order          | No. 730         | >-110                | 201                 | Client      | Jcb No.            |                                        |
| E Company OCM                               |                                         | -                |                         | - 6-                   |                   | Name /          | usi s                | lineer              | <u>~</u>    | n a second         | ······································ |
| Mailing Address 450 Mar                     | Hartenter                               | 563              | 5 N. Sho                | 4 Q2                   | ing<br>Super      | Company         | 041                  | nv                  |             |                    | · · · · · · · · · · · · · · · · · · ·  |
| Gily Krexville Lubite                       | Fish Baysmel                            | Zip              | 3-949 532               | 7 10                   | oice -            | Address         | 450                  | Month               | rocik       | Lani               |                                        |
| Telephone (1/14) 763-                       | 6210 Fax (                              | 414) 01 3        | 5-6212                  | ייך                    | 10                | City Ko         | WJIK                 |                     | :           | State TN           | Zip 379/                               |
| Date Results Required Rush Charges Aut      | horized?   Phone Results                | (Complet         | e i ( apolicable )      | 1                      |                   | ······          | AN                   | ALYSIS              | REQUES      | TED                |                                        |
| Std. Yes U                                  | No Kal                                  |                  |                         | (Eo                    | ster analys       | is type and     | check the            | box to indi         | cate reques | st: Enter a P if P | reservative added                      |
| Special Instructions: (Method, limit of det | ection, etc.)                           |                  | Drinking Water          | ងខ                     |                   | - [4]           | Y /                  |                     |             | / / /              |                                        |
|                                             |                                         |                  | State Where             | 2.8                    |                   | 1.5/            |                      |                     | / /         |                    | FOR LA                                 |
| Explanation of Preservative:                |                                         | (                | Louected                | E                      | /                 | 6/00            |                      | / /                 |             |                    | USE ONI                                |
| CLIENT SAMPLE IDENTIFICATION                | DATE                                    | MATRIX           | AIR VOLUME              |                        | 600               | ĬÝ,             | / /                  |                     |             |                    |                                        |
|                                             | SAMPLED                                 | MEDIA            | (specify units)         | . <b> </b> k           | $\leq$ Y-         |                 |                      | <u> </u>            | <u> </u>    |                    |                                        |
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| Calino Tile Kitch                           |                                         | 1                |                         |                        | $\overline{X}$    |                 |                      |                     |             |                    |                                        |
| Ceiling Lile Front I                        | Sech                                    |                  |                         |                        | X                 |                 | <b>-</b> (           |                     |             |                    | ·····                                  |
| Paint 8                                     |                                         |                  |                         |                        |                   |                 | 1                    |                     |             |                    |                                        |
| Paint Stairway                              |                                         |                  |                         |                        | X                 |                 |                      |                     |             | 1                  | · · · ·                                |
| Paint Front Porch                           |                                         |                  | -                       | 111                    | XI                |                 | 1                    |                     |             | 1                  |                                        |
| Paint Kitchen                               |                                         | ]                |                         |                        | IX                |                 |                      |                     |             |                    | · · · · · · · · · · · · · · · · · · ·  |
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| 657                                         | <u></u>                                 |                  |                         | ·                      |                   |                 |                      | 4_                  |             |                    |                                        |
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| Chaine Actionneistice by                    | Date Date                               | <u>3:11/8/0(</u> | Time: 4.15              | ixeccive               | <u>:5 57:</u>     | $ \rightarrow $ | <u> </u>             |                     | <u> </u>    | 215: ///           | Time:                                  |
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|                                             | -Dat                                    | 3:               | <u>il7:2:</u>           | 9:4:15:6               | Ceneica           | m 6527 M        | 2322                 | 1 1/00              | Sicer       | :: U'328F          | (explain oi) reve                      |
| esse return completed form to               | 350 Hochberg Rozi<br>Moorceville, PA-15 | 145-1310         | 530 MeCor<br>Sar Lecodo | nick Strø<br>6, CA 941 | e: し<br>577       | 16553<br>Mena   | 3a4lovi<br>1535, 7A  | er Perkway<br>19109 | 3           | •                  |                                        |
| 12 04 NJ 1966 1976019 3 4557079 STEEL       | (724) 325-1776                          |                  | (510) 567-0             |                        |                   | (793)           | 368-7393<br>244-7343 | )<br>. 5a-          |             |                    |                                        |
|                                             | 17223 733-1769 - Fa                     | × .              | しごろじり ングノーリ             | 400 - 623              |                   | ::0::;          | 202-1101             | • • • • • • •       |             |                    |                                        |

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### **APPENDIX D**

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Documentation

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|   |                                                                        |                                                                         |                                              |                                               |                                               |                                                  |                                   | • • • | <b>*</b> *********************************** |
| ] |                                                                        |                                                                         |                                              |                                               | •                                             |                                                  |                                   |       | •<br>(1010-£                                 |
| - | PLAN NO.<br>Nº (18991)<br>PLUMBER<br>Sam<br>Branch DES                 | BOND NO.<br>) 259<br>VITCHOC<br>SCRIPTION                               | ADDRESS<br>APPROVE<br>Size Owner             | ,<br>Ber Barr                                 | Sup. of Plumbing                              | R2<br>DATE<br>AUG 2 9 <sup>19</sup>              | 20                                |       | hotographed <u>3</u>                         |
|   | Water Tap<br>Meter<br>Size<br>Curb stop to be installed<br>water main. | Curb<br>Lot Line<br>On Lot<br>Units<br>fest from the center<br>SANITARY | Original Charg Additional Cha                | rges<br>COMBINED SEV                          | <br>                                          | Total Cost<br>Total Cost<br>(15 35<br>STORM SEWE | . १९६.<br>७ <u>२</u><br>В         |       | -0097                                        |
|   | Main<br>Excavating<br>Runay<br>BUILDING SEWER<br>Watter Service        | Mein<br>Curb<br>IOn Lot<br>BUILDING DRAIN                               | Size<br>L Line<br>Inside<br>Size<br>REJECTED | Main<br>Curb<br>On Lot<br>SOIL, WASTE OR VENT | Size<br>L. Lino<br>Inside<br>Size<br>REJECTED | Main<br>  Curb<br>  On Lot<br>                   | Size<br>L. Line<br>Inside<br>Size |       | Operator                                     |
|   | Tholas Set                                                             | <u></u>                                                                 | ·<br>                                        | · · · · · · · · · · · · · · · · · · ·         |                                               | 7/20/90                                          | Id.                               |       |                                              |
|   | Léplie Lealer                                                          | •                                                                       |                                              | · · · · ·                                     | •                                             |                                                  | El.                               |       | -                                            |
|   | Léplie Lealer                                                          |                                                                         |                                              | 2. 48 A                                       |                                               | •                                                | LI.                               |       |                                              |

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| VATER AND/OR DRAIN TO BE USED P | 0 |
|---------------------------------|---|
|---------------------------------|---|

|    | Air Conditioners         | Reduced Pressure<br>Back Flow Preventer |
|----|--------------------------|-----------------------------------------|
|    | Area or Deck Drains      | Refrigerators                           |
|    | Aut. Fire Sprinklers     | Roof Drains                             |
| Ľ. | Bath Tubs                | Service or Mop Sinks                    |
| 1  | Catch Basins             | Shampoo Basins                          |
| ۰. | Chiller or Cooling Tower | Shower Stalls                           |
| -  | Clothes Washers          | Site Drains                             |
| -  | Conductors               | Sinks                                   |
|    | Cuspidors                | Storm inlets                            |
|    | Dish Washers             | Sumps                                   |
|    | Drinking Fountains       | Trench Drains                           |
|    | Ejectors                 | Urinais                                 |
| į  | Floor Drains             | Vacuum Breakers                         |
|    | Food Waste Disposers     | Wash Basins                             |
|    | Funnel Connections       | Water Closets                           |
|    | Gang Shower Heads        | Gas<br>Skatila                          |
|    | Hose Faucets             | - Water Heaters                         |
|    | Interceptors             | Water Storage Tanks                     |
| ÷  | Laundry Trays            | Wells                                   |
| Ġ, | Manholes                 |                                         |
|    | Plumbing Survey          |                                         |
|    | Pressure Reducing Valves | and the second second second            |
|    | Pumps                    | Apple 1 to the provide state of the     |

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#### SEWER MEASUREMENTS

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branch connection was made in the Sanitary Combination

| ×           |                          | and                        |
|-------------|--------------------------|----------------------------|
| ••          | building sewer           | feet and                   |
| ••          | building drain           | feet installed             |
| A           | branch connection was ma | ade in the Storm main sewe |
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| A<br>on the | branch connection was ma | ade in the Storm main sewe |

SEAL SEIDIG JACK